

COUNTER

■ Compact LCD counter

Model	Price	Digit	Power supply	Input type	Counting speed	Remark
LA8N-BN	614,800	8digits	Internal lithium battery	No-voltage input (NPN)	Selectable 1/30/1kcps	Enable(Front) /Disable(Terminal)
LA8N-BF	657,200			Universal voltage input	20cps fixed	
LA8N-BN-L	848,000	8digits	Internal lithium battery	No-voltage input (NPN)	Selectable 1/30/1kcps	BackLight type
LA8N-BV-L	911,600			Universal voltage input	20cps fixed	

■ Touch type counter/timer

Model	Price	Digit	Power supply	Input type	Counting speed	Remark
CT6Y-1P4	1,420,400	6digits	100-240VAC,50/60Hz	Selectable Voltage or No-voltage input (PNP/NPN)	Selectable 1/30/1k/5k/10kcps	Single preset
CT6Y-1P2	1,420,400		24VAC 50/60Hz /24-48VDC			
CT6Y-2P4	1,717,200		100-240VAC,50/60Hz			Dual preset
CT6Y-2P2	1,717,200		24VAC 50/60Hz /24-48VDC			
CT6Y-I4	1,229,600		100-240VAC,50/60Hz			Indicator
CT6Y-I2	1,229,600		24VAC 50/60Hz /24-48VDC			
CT4S-1P4	1,335,600	4digits	100-240VAC,50/60Hz			Single preset
CT4S-1P2	1,335,600		24VAC 50/60Hz /24-48VDC			
CT4S-2P4	1,611,200		100-240VAC,50/60Hz			Dual preset
CT4S-2P2	1,611,200		24VAC 50/60Hz /24-48VDC			
CT6S-1P4	1,420,400	6digits	100-240VAC,50/60Hz			Single preset
CT6S-1P2	1,420,400		24VAC 50/60Hz /24-48VDC			
CT6S-2P4	1,717,200		100-240VAC,50/60Hz			Dual preset
CT6S-2P2	1,717,200		24VAC 50/60Hz /24-48VDC			
CT6S-I4	1,229,600		100-240VAC,50/60Hz			Indicator
CT6S-I2	1,229,600		24VAC 50/60Hz /24-48VDC			
CT6M-1P4	1,759,600	6digits	100-240VAC,50/60Hz			Single preset
CT6M-1P2	1,759,600		24VAC 50/60Hz /24-48VDC			
CT6M-2P4	2,056,400		100-240VAC,50/60Hz			Dual preset
CT6M-2P2	2,056,400		24VAC 50/60Hz /24-48VDC			
CT6M-I4	1,484,000		100-240VAC,50/60Hz			Indicator
CT6M-I2	1,484,000		24VAC 50/60Hz /24-48VDC			

COUNTER

■ Touch type counter/timer

Model	Price	Digit	Power supply	Input type	Counting speed	Remark
CT6Y-1P4T	1,971,600	6digits	100-240VAC,50/60Hz	Selectable Voltage or No-voltage input (PNP/NPN)	Selectable 1/30/1k/ 5k/10kcps	RS485
CT6Y-1P2T	1,971,600		24VAC 50/60Hz /24-48VDC			
CT6Y-2P4T	2,247,200		100-240VAC,50/60Hz			
CT6Y-2P2T	2,247,200		24VAC 50/60Hz /24-48VDC			
CT6Y-I4T	1,759,600		100-240VAC,50/60Hz			
CT6Y-I2T	1,759,600		24VAC 50/60Hz /24-48VDC			
CT4S-1P4T	1,886,800	4digits	100-240VAC,50/60Hz	Selectable Voltage or No-voltage input (PNP/NPN)	Selectable 1/30/1k/ 5k/10kcps	RS485
CT4S-1P2T	1,886,800		24VAC 50/60Hz /24-48VDC			
CT4S-2P4T	2,120,000		100-240VAC,50/60Hz			
CT4S-2P2T	2,120,000		24VAC 50/60Hz /24-48VDC			
CT6S-1P4T	1,971,600	6digits	100-240VAC,50/60Hz			
CT6S-1P2T	1,971,600		24VAC 50/60Hz /24-48VDC			
CT6S-2P4T	2,247,200		100-240VAC,50/60Hz			
CT6S-2P2T	2,247,200		24VAC 50/60Hz /24-48VDC			
CT6S-I4T	1,759,600		100-240VAC,50/60Hz			
CT6S-I2T	1,759,600		24VAC 50/60Hz /24-48VDC			
CT6M-1P4T	2,289,600	6digits	100-240VAC,50/60Hz			
CT6M-1P2T	2,289,600		24VAC 50/60Hz /24-48VDC			
CT6M-2P4T	2,565,200		100-240VAC,50/60Hz			
CT6M-2P2T	2,565,200		24VAC 50/60Hz /24-48VDC			
CT6M-I4T	2,014,000		100-240VAC,50/60Hz			
CT6M-I2T	2,014,000		24VAC 50/60Hz /24-48VDC			

COUNTER

■ 8 digit Up/down/up-down counter

Model	Price	Digit	Power supply	Input type	Counting speed	Remark
F8A	2,565,200	8digits	100-240VAC 50/60Hz, 12-24VAC/12-24VDC (Option)	Selectable Voltage or No-voltage input (PNP/NPN)	Selectable 1/30/2k/ 5kcps	Single preset
F8B	2,077,600					Indicator
L8A	2,883,200					Single preset
L8B	2,310,800					Indicator

■ Up/down/up-down measure counter

Model		Digit	Power supply	Input type	Counting speed	Remark
F4AM	2,522,800	4digits	100-240VAC 50/60Hz 12-24VAC/12-24VDC (Option)	Selectable Voltage or No-voltage input (PNP/NPN)	Selectable 1/30/2k/ 5kcps	Single preset
F4AM-2P	3,010,400					Dual preset
F4BM	2,014,000					Indicator
F6AM	2,734,800	6digits				Single preset
F6AM-2P	3,646,400					Dual preset
F6BM	2,204,800					Indicator
L4AM-2P	3,646,400	4digits				Dual preset
L4BM	2,204,800					Indicator
L6AM-2P	3,943,200	6digits				Dual preset
L6BM	2,353,200					Indicator

COUNTER

■Up/down counter/timer

Model	Price	Digit	Power supply	Input type	Counting speed	Remark	
FX4Y-I	1,335,600	4digits	100-240VAC 50/60Hz 12-24VAC/12-24VDC (Option)	No-voltage input (NPN)	Selectable 1/30/2k/ 5kcps	Indicator	
FX6Y-I	1,420,400	6digits		Selectable Voltage or No-voltage input (PNP/NPN)		Single preset	
FX4S	1,568,800	4digits					Indicator
FX5S-I	1,378,000	5digits					Single preset
FX4	1,950,400	4digits					Dual preset
FX6	2,204,800	6digits					Indicator
FX4-2P	2,586,400	4digits					Single preset
FX6-2P	2,883,200	6digits					Dual preset
FX4-I	1,568,800	4digits					Indicator
FX6-I	1,632,400	6digits					Single preset
FX4H	1,950,400	4digits					Dual preset
FX4H-2P	2,586,400						Indicator
FX4H-I	1,568,800						Dual preset
FX4L-2P	2,862,000						Indicator
FX6L-2P	3,180,000	6digits					
FX4L-I	1,802,000	4digits					
FX6L-I	1,950,400	6digits					

■8 pin plug type counter

Model	Price	Digit	Power supply	Input type	Counting speed	Remark
FS4A	1,547,600	4digits	100-240VAC 50/60Hz 12-24VAC/12-24VDC (Option)	No-voltage input (NPN)	Selectable 1/30/2k/ 5kcps	Single preset
FS5B	1,060,000	5digits				Indicator

■ Compact LCD Timer

Model	Price	Digit	Power supply	Input type	Counting speed	Reset
LE8N-BN	657,200	8digits	Internal lithium battery	No-voltage input (NPN)	9999h59m59, 99999h59.9m, 999999h59m, 9999h59.9m, 99999h59m, 999999.9h	Enable(Front)
LE8N-BF	784,400			Universal voltage input		
LE8N-BN-L	848,000	8digits	Internal lithium battery	No-voltage input (NPN)	9999h59m59, 99999h59.9m, 999999h59m, 9999h59.9m, 99999h59m, 999999.9h	Enable(Front)
LE8N-BV-L	911,600			Universal voltage input		

■ Digital LCD timer

Model	Price	Digit	Power supply	Remark
LE3S	1,166,000	3digits	24-240VAC 50/60Hz / 24-240VDC	Time limit SPDT(1c)
LE3SA	1,166,000			Time limit DPDT(2c)
LE3SB	1,166,000			Time limit SPDT(1c), Instantaneous SPDT(1c)
LE4S	1,250,800	4digits		Time limit SPDT(1c)
LE4SA	1,250,800			Time limit DPDT(2c), Selectable Time limit SPDT(1c) +Instantaneous SPDT(1c)

■ 8 pin plug type timer

Model	Price	Digit	Power supply	Remark
FS4E	1,590,000	4digits	100-240VAC 50/60Hz, 12-24VAC/DC(Option)	Single preset
FS5EI	1,356,800	5digits		Indicator

■ Multi Function Timer with Free power, Compact size W38xH42mm(Imported from China)

Model	Price	Analog	Power supply	Remark
ATS8-11	381,600	Analog	12 VDC	Time limit DPDT(2c), Selectable Time limit SPDT(1c)+Instantaneous SPDT(1c)
ATS8-13	381,600			
ATS11-11D	381,600			Time limit DPDT(2c)
ATS11-13D	381,600			
ATS11-11E	381,600			Time limit SPDT(1c), Instantaneous SPDT(1c)
ATS11-13E	381,600			
ATS8-21	381,600		24VDC / 24VAC	Time limit DPDT(2c), Selectable Time limit SPDT(1c)+Instantaneous SPDT(1c)
ATS8-23	381,600			
ATS11-21D	381,600			Time limit DPDT(2c)
ATS11-23D	381,600			
ATS11-21E	381,600			Time limit SPDT(1c), Instantaneous SPDT(1c)
ATS11-23E	381,600			
ATS8-41	381,600		100-240VAC / 24-240VDC	Time limit DPDT(2c), Selectable Time limit SPDT(1c)+Instantaneous SPDT(1c)
ATS8-43	381,600			
ATS11-41D	381,600			Time limit DPDT(2c)
ATS11-43D	381,600			
ATS11-41E	381,600			Time limit SPDT(1c), Instantaneous SPDT(1c)
ATS11-43E	381,600			

TIMER

■ Star-Delta Timer with Free power, compact size W38xH42mm(Imported from China)

Model	Price	Analog	Power supply	Time range	Remark
ATS8SD-4	530,000	Analog	100-240VAC / 24-240VDC	5, 10, 50, 100sec	

■ Power-OFF Delay Timer, compact size W38xH42mm(Imported from China)

Model	Price	Analog	Power supply	Time range	Remark
ATS8P-2S	614,800	Analog	24VDC / 24VAC	0.1~1sec/1-10SEC	Time limit DPDT(2c)
ATS8P-2M	614,800			0.1-1min / 1-10min	
ATS8P-5S	614,800		200-240VAC	0.1~1sec/1-10SEC	
ATS8P-5M	614,800			0.1-1min / 1-10min	
ATS8P-6S	614,800		100-120VAC	0.1~1sec/1-10SEC	
ATS8P-6M	614,800			0.1-1min / 1-10min	

■ TwinTimer with free power, compact size W38xH42mm(Imported from China)

Model	Price	Analog	Power supply	Remark
ATS8W-11	487,600	Analog	12 VDC	Time limit DPDT(2c), Selectable Time limit SPDT(1c) +Instantaneous SPDT(1c)
ATS8W-13	487,600			
ATS11W-11	487,600			
ATS11W-13	487,600			
ATS8W-21	487,600		24VDC / 24VAC	
ATS8W-23	487,600			
ATS11W-21	487,600			
ATS11W-23	487,600			
ATS8W-41	487,600		100-240VAC / 24-240VDC	
ATS8W-43	487,600			
ATS11W-41	487,600			
ATS11W-43	487,600			

■ Multi function timer

Model	Price	Analog	Power supply	Remark
AT8N-1	466,400	Analog	12VDC	Time limit DPDT(2c), Selectable Time limit SPDT(1c) +Instantaneous SPDT(1c)
AT8N-2	466,400		24VAC/24VDC	
AT8N	466,400		100-240VAC/24-240VDC	
AT11DN-1	466,400		12VDC	Time limit DPDT(2c)
AT11DN-2	466,400		24VAC/24VDC	
AT11DN	466,400		100-240VAC/24-240VDC	
AT11EN-1	466,400		12VDC	Time limit SPDT(1c), Instantaneous SPDT(1c)
AT11EN-2	466,400		24VAC/24VDC	
AT11EN	466,400		100-240VAC/24-240VDC	

■ Start-delta timer

Model	Price	Analog	Power supply	Time range	Remark
AT8SDN	572,400	Analog	24-240VAC 50/60Hz / 24-240VDC, 12VDC(Optional)	5, 10, 50, 100sec	

TIMER

■Power OFF delay timer

Model	Price	Analog	Power supply	Time range	Remark
AT8PSN-2	614,800	Analog	24VAC/24VDC	0.5, 1, 5, 10sec	Time limit DPDT(2c)
AT8PSN-7	614,800		100/110VDC		
AT8PSN-6	614,800		100-120VAC		
AT8PSN	614,800		200-240VAC		
AT8PMN-2	614,800		24VAC/24VDC	0.5, 1, 5, 10min	
AT8PMN-7	614,800		100/110VDC		
AT8PMN-6	614,800		100-120VAC		
AT8PMN	614,800		200-240VAC		

■Single timer range timer

Model	Price	Analog	Power supply	Time range	Remark
ATE-□□□	275,600	Analog	110/220VAC 50/60Hz	1, 3, 6, 10, 30, 60s 3, 6, 10, 30, 60m 3, 6, 12, 24h	Time limit SPDT(1c), Instantaneous SPDT(1c)
ATE1-□□□	275,600		110VAC, 220VAC 50/60Hz, 12VDC, 24VDC(Option)		Time limit DPDT(2c)
ATE2-□□□	275,600				Time limit SPDT(1c), Instantaneous SPDT(1c)

■Weekly/yearly timer

Model	Price		Power supply	Operation mode
LE7M-2	1,844,400	Weekly	100-240VAC 50/60Hz	ON/OFF, Cycle, Pulse mode
LE365S-41	1,462,800	Yearly		

■Socket & Panel Mounting adaptor (Sold separately)

Model	Price	Remark
PS-08	63,600	8Pin Socket-bulit-in, Use PS-08 for mounting timer in Panel
PS-11	84,800	11Pin Socket-bulit-in, Use PS-11 for mounting timer in Panel
PG-08	42,400	8Pin Socket Surface type, Use PG-08 for mounting timer in Panel
PG-11	63,600	11Pin Socket Surface type, Use PG-11 for mounting timer in Panel
PGB48-W	21,200	Timer fixing bracket
FGB48-GR	21,200	Panel mounting Plate
FGB48-BL	21,200	

PANEL METER

■Loop powered scaling meter

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M4NS-NA	954,000	DC4-20mA	-1999~9999	Loop powered type	Scaling meter
M4YS-NA	1,250,800				

■Small size panel meter

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M4N-DV-0□	763,200	DC200V	0-1999 (3 ½ digit)	5VDC	DC volt meter
M4N-DA-0□	763,200	DC200mA			DC Ampere meter
M4N-DI-0□	848,000	DC4-20mA			Scaling meter
M4N-DV-1□	763,200	DC200V		12-24VDC	DC volt meter
M4N-DA-1□	763,200	DC200mA			DC Ampere meter
M4N-DI-1□	848,000	DC4-20mA			Scaling meter

■DIN W48*H24mm Small size digital panel meter

Model	Price	Output	Power supply	Remark
M4NN-DV-1N	1,314,400	1N : Indicator(without output function) 11 : NPN open collector output 12 : PNP open collector output	5-24VDC	DC volt meter (Minus input)
M4NN-DV-11~12	1,844,400			DC ampere meter (Minus input)
M4NN-DA-1N	1,314,400			AC volt meter
M4NN-DA-11~12	1,844,400			AC ampere meter
M4NN-AV-1N	1,399,200			
M4NN-AV-11~12	1,929,200			
M4NN-AA-1N	1,399,200			
M4NN-AA-11~12	1,929,200			

■Graphic panel meter

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M4V	1,335,600	DC0-2V, DC0-10V, DC1-5V, DC0-1mA, DC4-20mA	-999~9999	12-24VDC	Graphic panel meter

■Multi panel meter

Model	Price	Output	Max. display range	Power supply
MT4Y-DV-4N	1,187,200	N: Indicator(No output function)	-1999~9999	100-240VAC 50/60Hz
MT4Y-DV-40~46	2,289,600	0: Relay contact output		
MT4Y-DA-4N	1,187,200	1: NPN open collector output		
MT4Y-DA-40~46	2,289,600	2: PNP open collector output		
MT4Y-AV-4N	1,250,800	3: Relay contact+Transmission(DC4-20mA)		
MT4Y-AV-40~46	2,438,000	output		
MT4Y-AA-4N	1,250,800	4: Relay contact+RS485 communication		
MT4Y-AA-40~46	2,438,000	output		

PANEL METER

■Multi panel meter

Model	Price	Output	Max. display range	Power supply
MT4W-DV-4N	1,144,800	N:Indicator(No output function) 0: Relay contact+Transmission(DC4-20mA) output 1: Relay contact output 2: NPN open collector+ BCD Dynamic output 3: PNP open collector+ BCD Dynamic output 4: NPN open collector+ Transmission(DC4- 20mA) output 5: PNP open collector+ Transmission(DC4- 20mA) output 6: NPN open collector+Low speed serial output 7: PNP open collector+Low speed serial output 8: NPN open collector+RS485 output 9: PNP open collector+ RS485 output	-1999~9999	100-240VAC 50/60Hz
MT4W-DV-40	2,289,600			
MT4W-DV-41	1,971,600			
MT4W-DV-42~49	2,289,600			
MT4W-DA-4N	1,144,800			
MT4W-DA-40	2,289,600			
MT4W-DA-41	1,971,600			
MT4W-DA-42~49	2,289,600			
MT4W-AV-4N	1,229,600			
MT4W-AV-40	2,438,000			
MT4W-AV-41	2,098,800			
MT4W-AV-42~49	2,289,600			
MT4W-AA-4N	1,229,600			
MT4W-AA-40	2,438,000			
MT4W-AA-41	2,098,800			
MT4W-AA-42~49	2,438,000			
MT4W-DV-1N	1,144,800			
MT4W-DV-10	2,289,600			
MT4W-DV-11	1,971,600			
MT4W-DV-12~19	2,289,600			
MT4W-DA-1N	1,144,800			
MT4W-DA-10	2,289,600			
MT4W-DA-11	1,971,600			
MT4W-DA-12~19	2,289,600			
MT4W-AV-1N	1,229,600			
MT4W-AV-10	2,438,000			
MT4W-AV-11	2,098,800			
MT4W-AV-12~19	2,438,000			
MT4W-AA-1N	1,229,600			
MT4W-AA-10	2,438,000			
MT4W-AA-11	2,098,800			
MT4W-AA-12~19	2,438,000			

PANEL METER

■Small size digital multi panel meter

Model	Price	Output	Max. display range	Power supply
MT4N-DV-EN	1,908,000	N : Indicator (No output function) 0 : Relay contact output 1 : NPN open collector output 2. : PNP open collector output 3 : Relay contact output + Transmission output)DC4-20mA) 4 : Relay contact output + RS485 communication output	-1999~9999	12-24VDC/AC
MT4N-DV-E0	2,480,400			
MT4N-DV-E1	2,480,400			
MT4N-DV-E2	2,480,400			
MT4N-DV-E3	2,480,400			
MT4N-DV-E4	2,480,400			
MT4N-DA-EN	1,908,000			
MT4N-DA-E0	2,480,400			
MT4N-DA-E1	2,480,400			
MT4N-DA-E2	2,480,400			
MT4N-DA-E3	2,480,400			
MT4N-DA-E4	2,480,400			
MT4N-AV-EN	2,098,800			
MT4N-AV-E0	2,671,200			
MT4N-AV-E1	2,671,200			
MT4N-AV-E2	2,671,200			
MT4N-AV-E3	2,671,200			
MT4N-AV-E4	2,671,200			
MT4N-AA-EN	2,098,800			
MT4N-AA-E0	2,671,200			
MT4N-AA-E1	2,671,200			
MT4N-AA-E2	2,671,200			
MT4N-AA-E3	2,671,200			
MT4N-AA-E4	2,671,200			
MT4N-DV-4N	1,908,000			100-240VAC
MT4N-DV-40	2,480,400			
MT4N-DV-41	2,480,400			
MT4N-DV-42	2,480,400			
MT4N-DV-43	2,480,400			
MT4N-DV-44	2,480,400			
MT4N-DA-4N	1,908,000			
MT4N-DA-40	2,480,400			
MT4N-DA-41	2,480,400			
MT4N-DA-42	2,480,400			
MT4N-DA-43	2,480,400			
MT4N-DA-44	2,480,400			
MT4N-AV-4N	2,098,800			
MT4N-AV-40	2,671,200			

PANEL METER

■Small size digital multi panel meter

Model	Price	Output	Max.	Power supply
MT4N-AV-41	2,671,200	N : Indicator (No output function) 0 : Relay contact output 1 : NPN open collector output 2 : PNP open collector output 3 : Relay contact output + Transmission output)DC4-20mA) 4 : Relay contact output + RS485 communication output	-1999~9999	100-240VAC
MT4N-AV-42	2,671,200			
MT4N-AV-43	2,671,200			
MT4N-AV-44	2,671,200			
MT4N-AA-4N	2,098,800			
MT4N-AA-40	2,671,200			
MT4N-AA-41	2,671,200			
MT4N-AA-42	2,671,200			
MT4N-AA-43	2,671,200			
MT4N-AA-44	2,671,200			

■Digital panel meter

Model	Price	Max. measuring input	Max. display range	Power supply	Remark		
M4Y-DI	1,144,800	DC4-20mA	0-1999 (3 ½ digit)	100-240VAC	Scaling meter		
POWER OPTION	1,229,600			5VDC			
	1,229,600			24-70VDC			
M4Y-DV-□	996,400	DC300V	0-1999 (3 ½ digit)	100-240VAC	DC volt meter		
M4Y-DA-□	996,400	DC2A			DC Ampere meter		
M4Y-T-1	996,400	DC0-10V			Tacho meter		
M4Y-S-1	996,400	DC0-10V			Speed meter		
POWER OPTION	1,229,600	Refer to each option		5VDC	All type		
	1,229,600			24-70VDC			
M4Y-AV-□	1,144,800	AC400V	0-1999 (3 ½ digit)	100-240VAC	AC volt meter		
M4Y-AVR-□	1,144,800				AC5A	AC Ampere meter	
M4Y-AA-□	1,144,800	DC0-10V				AC Power meter	
M4Y-AAR-□	1,144,800				AC0-10V	Tacho meter	
M4Y-W-1	996,400	AC0-10V				Speed meter	
M4Y-T-2	1,144,800				Refer to each option	5VDC	All type
M4Y-TR-2	1,144,800						
M4Y-S-2	1,144,800	AC0-10V				5VDC	All type
M4Y-SR-2	1,144,800				24-70VDC		
POWER OPTION	1,229,600	Refer to each option		5VDC	All type		
	1,229,600					24-70VDC	

PANEL METER

■Digital panel meter

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M4W-DI	1,144,800	DC4-20mA	0-1999 (3 ½ digit)	110/220VAC	Scaling meter
POWER OPTION	1,293,200			24-70VDC	
	1,293,200			100-240VAC	
M4W-DV-□	996,400	DC300V	0-1999 (3 ½ digit)	110/220VAC	DC volt meter
M4W-DA-□	996,400	DC2A			DC Ampere meter
M4W-T-1	996,400	DC0-10V			Tacho meter
M4W-S-1	996,400				Speed meter
POWER OPTION	1,144,800	Refer to each option		24-70VDC	All type
	1,144,800			100-240VAC	
M4W-AV-□	1,144,800	AC400V	0-1999 (3 ½ digit)	110/220VAC	AC volt meter
M4W-AVR-□	1,144,800				
M4W-AA-□	1,144,800	AC5A			AC Ampere meter
M4W-AAR-□	1,144,800				
M4W-W-1	996,400	DC0-10V			AC Power meter
M4W-T-2	1,144,800	AC0-10V			Tacho meter
M4W-TR-2	1,144,800				
M4W-S-2	1,144,800	AC0-10V			Speed meter
M4W-SR-2	1,144,800				
POWER OPTION	1,293,200	Refer to each option		24-70VDC	All type
	1,293,200			100-240VAC	

■Digital panel meter (Single)

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M4W1P-□□-□	2,862,000	Depending on M4W measuring input	0-1999 (3 ½ digit)	110/220VAC	Scaling, Volt , Ampere ,Power meter, Tacho, Speed meter
POWER OPTION	3,010,400			24-70VDC	
	3,010,400			100-240VAC	

■Digital panel meter (Dual)

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M4W2P-□□-□	3,794,800	Depending on M4W measuring input	0-1999 (3 ½ digit)	110/220VAC	Scaling, Volt , Ampere ,Power meter, Tacho, Speed meter
POWER OPTION	3,943,200			24-70VDC	
	3,943,200			100-240VAC	

PANEL METER

■Digital panel meter

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M5W-DI	1,420,400	DC4-20mA	0-19999 (4 ½ digit)	110/220VAC	Scaling meter
POWER OPTION	1,526,400			24-70VDC	
M5W-DV-□	1,335,600	DC300V	0-19999 (4 ½ digit)	110/220VAC	DC volt meter
M5W-DA-□	1,335,600	DC2A			DC Ampere meter
M5W-T-1	1,335,600	DC0-10V			Tacho meter
M5W-S-1	1,335,600				Speed meter
POWER OPTION	1,526,400	Refer to each option		24-70VDC	All type
M5W-AV-□	1,420,400	AC400V	0-19999 (4 ½ digit)	110/220VAC	AC volt meter
M5W-AA-□	1,420,400	AC5A			AC Ampere meter
M5W-W-1	1,335,600	DC0-10V			AC Power meter
M5W-T-2	1,420,400	AC0-10V			Tacho meter
M5W-S-2	1,420,400				Speed meter
POWER OPTION	1,526,400	Refer to each option		24-70VDC	All type

■Digital panel meter

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M4M-DI-□□	1,674,800	DC4-20mA	0-1999 (3 ½ digit)	110/220VAC	Scaling meter
POWER OPTION	1,674,800			24-70VDC	
	1,674,800			100-240VAC	
M4M-□□-□	1,526,400	Depending on M4W measuring input	0-1999 (3 ½ digit)	110/220VAC	Volt meter, Ampere meter, Power meter, Tacho meter, Speed meter
POWER OPTION	1,674,800			24-70VDC	
	1,674,800			100-240VAC	

■Digital panel meter (Single)

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M4M1P-□□-□	2,862,000	Depending on M4W measuring input	0-1999 (3 ½ digit)	110/220VAC	Scaling meter, Volt meter, Ampere meter, Power meter, Tacho meter, Speed meter
POWER OPTION	3,010,400			24-70VDC	
	3,010,400			100-240VAC	

PANEL METER

■Digital panel meter (Dual)

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M4M2P-□□-□	3,794,800	M4W Depending on measuring input	0-1999 (3 ½ digit)	110/220VAC	Scaling meter, Volt meter,
POWER OPTION	3,943,200			24-70VDC	Ampere meter, Power meter,
	3,943,200			100/240VAC	Tacho meter, Speed meter

■Power factor meter

Model	Price	Max. measuring input	Max. display range	Power supply	Remark
M4W-P	1,293,200	DC4-20mA	-0.50~1.00~ +0.50 COSΦ	100/220VAC	Power factor meter

TACHO/SPEED/PULSE METER

■ Compact LCD pulse meter

Model	Price	Input type	Applicable Encoders	Display range	Power supply	Reset
LR5N-BN	720,800	No-voltage input (NPN)	1P/R	0-1000rps	Internal lithium battery	Indicator
	720,800		60P/R	0-1000rpm		

■ Pulse(Rate) meter

Model	Price	Control output	Sub output	Power supply
MP5S-4N	1,950,400	Indicator	—	100-240VAC 50/60Hz
MP5Y-4N	1,950,000	Indicator	—	
MP5Y-41	3,010,400	NPN open collector quintuple output	—	
MP5Y-42	3,010,400	PNP open collector quintuple output	—	
MP5Y-43	3,010,400	Indicator	BCD Dynamic	
MP5Y-44	3,010,400	Indicator	PV transmission(DC4-20mA)	
MP5Y-45	3,010,400	Indicator	RS485 communication	
MP5W-4N	1,759,600	Indicator	—	
MP5W-4A	3,074,000	Triple relay(HH, H, GO, L, LL)	—	
MP5W-41	2,607,600	Triple relay(H, GO, L)	—	
MP5W-42	3,074,000	NPN open collector quintuple output	BCD Dynamic	
MP5W-43	3,074,000	PNP open collector quintuple output	BCD Dynamic	
MP5W-44	3,074,000	NPN open collector quintuple output	PV transmission(DC4-20mA)	
MP5W-45	3,074,000	PNP open collector quintuple output	PV transmission(DC4-20mA)	
MP5W-46	3,074,000	NPN open collector quintuple output	Low speed serial	
MP5W-47	3,074,000	PNP open collector quintuple output	Low speed serial	
MP5W-48	3,074,000	NPN open collector quintuple output	RS485 communication	
MP5W-49	3,074,000	PNP open collector quintuple output	RS485 communication	
MP5M-4N	2,332,000	Indicator	—	
MP5M-41	2,819,600	Relay single(High-limit)+	—	
MP5M-42	3,752,400	Relay dual(High/Low-limit)+	—	

DISPLAY UNIT

■ Compact LCD pulse meter

Model	Price	DisplayEND	CharacterSize	Power supply	Remark
D1SC-N	1,187,200	Red	W31.9×H56.9mm	12-24VDC	Large LED
D1SA-RN	466,400	Red	W11xH20mm	12-24VDC	Medium (Including Socket)
D1SA-GN	466,400	Green			
D1SA-RN	466,400				
D1AA-RN	508,800	Red			
D1AA-GN	508,800	Green			
D5Y-M	1,017,600	Red	W8×H14.1mm	12-24VDC	BCD Code : STATIC, DYNAMIC,SERIAL (4/5/16/20/25 BIT)
D5W-M	1,081,200				
D5W-MX	1,250,800			110/220VAC	

■ Serial/Parallel/RS485 communication input type Display Unit

Model	Price	DisplayEND	CharacterSize	Power supply	Remark
DS16-RS	638,322	Red	W9.0 * H16.0mm	12-24VDC	Serial input
DS16-RT	1,008,191				RS485 communication input
DS16-RE	340,041				Expansion unit
DS16-GS	638,322	Green			Serial input
DS16-GT	1,008,191				RS485 communication input
DS16-GE	340,041				Expansion unit
DS22-RS	692,013	Red	W11.2 * H22.5mm		Serial input
DS22-RP	692,013				Parallel input
DS22-RT	1,049,951				RS485 communication input
DS22-RE	351,972				Expansion unit
DS22-GS	692,013	Green			Serial input
DS22-GP	692,013				Parallel input
DS22-GT	1,049,951				RS485 communication input
DS22-GE	351,972				Expansion unit
DS22-RR	739,738	Red	W22.4 * H40.0mm		Pt temp. sensor input
DS40-RS	894,844				Serial input
DS40-RP	894,844				Parallel input
DS40-RT	1,205,057				RS485 communication input
DS40-RE	524,957				Expansion unit
DS40-GS	894,844	Green			Serial input
DS40-GP	894,844				Parallel input
DS40-GT	1,205,057				RS485 communication input
DS40-GE	524,975				Expansion unit
DS40-RR	930,638	Red			Pt temp. sensor input
DS40-RRT	1,318,404				

DISPLAY UNIT

■ Serial/Parallel/RS485 communication input type Display Unit

Model	Price	DisplayEND	CharacterSize	Power supply	Remark	
DS60-RS	990,294		W33.6 * H60.0mm	12-24VDC	Serial input	
DS60-RP	990,294				Parallel input	
DS60-RT	1,336,301				RS485 communication input	
DS60-RE	662,185				Expansion unit	
DS60-GS	990,294	Green			Serial input	
DS60-GP	990,294				Parallel input	
DS60-GT	1,336,301				RS485 communication input	
DS60-GE	662,185				Expansion unit	
DS60-RR	1,049,951				Pt temp. sensor input	
DS60-RRT	1,437,717					
DA22-RS	721,841		Red		Serial input	
DA22-RP	721,841				Parallel input	
DA22-RT	1,085,744	RS485 communication input				
DA22-RE	387,366	Expansion unit				
DA22-GS	721,841	Green	W11.2 * H22.5mm		Serial input	
DA22-GP	721,841				Parallel input	
DA22-GT	1,085,744				RS485 communication input	
DA22-GE	387,766				Expansion unit	
DA40-RS	912,741	Red	W22.4 * H40.0mm		Serial input	
DA40-RP	912,741				Parallel input	
DA40-RT	1,240,851				RS485 communication input	
DA40-RE	560,769				Expansion unit	
DA40-GS	912,741	Green			Serial input	
DA40-GP	912,741				Parallel input	
DA40-GT	1,240,851				RS485 communication input	
DA40-GE	560,769				Expansion unit	
DA60-RS	1,026,088	Red	W33.6 * H60.0mm		Serial input	
DA60-RP	1,026,088				Parallel input	
DA60-RT	1,378,060				RS485 communication input	
DA60-RE	697,979				Expansion unit	
DA60-GS	1,026,088	Green			Serial input	
DA60-GP	1,026,088				Parallel input	
DA60-GT	1,378,060				RS485 communication input	
DA60-GE	697,979				Expansion unit	
DU16-R	340,041	Red	W9.0 * H16.0mm		Unit-display unit	
DU16-G	340,041	Green				
DU22-R	351,972	Red	W11.2 * H22.5mm			
DU22-G	357,972	Green				

SENSOR CONTROLLER

■ Sensor controller

Model	Price	Input type	Response time	Power supply	Contact	Remark
PA10-U	1,144,800	NPN input	Input : Min. 2 μ s Relay output : Min. 10ms Transistor output : Min. 0.5 μ s (Encoder mode)	100-240VAC 50/60Hz	Time limit SPDT(1c)	High function controller
PA10-V	1,060,000	NPN input			Time limit SPDT(1c)	General purpose controller
PA10-VP	1,060,000	PNP input			Time limit DPDT(2c)	2- channel controller
PA10-W	1,060,000	NPN input				
PA10-WP	1,060,000	PNP input				
PA-12	402,800	NPN/PNP input	Input:Min. 0.2ms, Output:Min. 10ms	110/220VAC	Time limit SPDT(1c)	General purpose controller

GRAPHIC PANEL

■ Graphic panel

Model	Price	LCD type	Resolution	Power supply	Serial communication
GP-S044-S1D0	5,300,000	STN Blue Negative	240×80 dots	24VDC ±10%	RS232C, RS422 (1each)
GP-S044-S1D1	5,300,000				RS232C (2)
GP-S057-S1D0	6,784,000		320×240 dots		RS232C, RS422 (1each)
GP-S057-S1D1	6,784,000				RS232C (2)
GP-S070-T9D6	11,511,600	TFT Color LCD	16,777,216 color		RS232C, RS422, USB HOST USB DEVICE, ETHERNET
GP-S070-T9D7	11,511,600				RS232C (2), USB HOST USB DEVICE, ETHERNET

LOGIC PANEL

■ Logic panel

Model	Price	LCD type	Resolution	Power supply	Serial communication	
LP-S044-S1D0EC5T-A	8,056,000	STN Blue Negative	240×80 dots	24VDC ±10%	RS232C, RS422 (1each)	
LP-S044-S1D0EC5R-A	8,056,000				RS232C (2)	
LP-S044-S1D1EC5T-A	8,056,000					
LP-S044-S1D1EC5R-A	8,056,000					
LP-S070-T9D6-C5R	14,606,800	TFT Color LCD	16,777,216 color			RS232C, RS422, USB HOST USB DEVICE, ETHERNET
LP-S070-T9D7-C5R	14,606,800				RS232C (2), USB HOST USB DEVICE, ETHERNET	
LP-S070-T9D6-C5T	14,606,800					
LP-S070-T9D7-C5T	14,606,800					

ACCESSORIES

■Accessories (Sold separately)

Model	Price	Remark
DAR(L)-R	21,200	Left and Right cover (1SET) for D1SA-RN, D1AA-RN
DAR(L)-BL	21,200	Left and Right cover (1SET) for D1SA-GN, D1AA-GN
CT-10S	63,600	Socket for D1SA, D1AA

COMMUNICATION CABLE

■GP/LP Communication Cable

Model		Series	Connectable device	Connectable module	Connection type	Connection diagram no.
C3M5P00-D9F0-M6M0		LS Master-K	MK-10S1	CPU	RS232C	1
C3M5P01-D9F0-D9M0			MK-80S			2
C3M5P01-D9F0-D9M0			MK-120S			2
C3M5P01-D9F0-D9M0			MK-200S			2
C3M5P01-D9F0-D9M0			MK-300S			2
C3M5P01-D9F0-D9M0			MK-1000S			2
C3M5P01-D9F0-D9M0		LS Glofa	GM4	CPU	RS232C	2
C3M5P01-D9F0-D9M0			GM6			2
C3M5P01-D9F0-D9M0			GM7U			2
C3M5P05-D9F0-D9M0		LS Master-K CNET	MK-80S	Cnet module	RS232C	6
C3M5P04-D9M0-T6Y0				Cnet module	RS422	16
C3M5P02-D9F0-D9M0			MK-120S	CPU	RS232C	3
C3M5P03-D9M0-W4*0				CPU	RS485	4
C3M5P05-D9F0-D9M0				Cnet module	RS232C	6
C3M5P04-D9M0-T6Y0				Cnet module	RS422	16
C3M5P02-D9F0-D9M0			MK-200S	CPU	RS232C	3
C3M5P04-D9M0-W6*0				CPU	RS422	5
C3M5P03-D9M0-W4*0				CPU	RS485	4
C3M5P05-D9F0-D9M0				Cnet module	RS232C	6
C3M5P04-D9M0-T6Y0				Cnet module	RS422	16
C3M5P05-D9F0-D9M0			MK-300S	G4L-CUEA	RS232C	6
C3M5P04-D9M0-T6Y0					RS422	16
C3M5P05-D9F0-D9M0			MK-1000S	G3L-CUEA	RS232C	6
C3M5P04-D9M0-T6Y0					RS422	16
C3M5P01-D9F0-D9M0		LS XGT CNET	XGK-CPUS	XGL-C22A	RS232C	2
C3M5P01-D9F0-D9M0				XGL-CH2A	RS232C	2
C3M5P04-D9M0-T6Y0					RS422	16
C3M5P04-D9M0-T6Y0				XGL-C42A	RS422	16
C3M5P13-D9F0-T4Y0		LS XGB CNET	XBM	CPU	RS232C	14
C3M5P03-D9M0-T4Y0					RS485	15
C3M5P13-D9F0-T4Y0			XBC		RS232SC	14
C3M5P03-D9M0-T4Y0					RS485	15

■GP/LP Communication Cable

Model		Series	Connectable device	Connectable module	Connection type	Connection diagram no.
C3M5P06-D9F0-D15M0		OEMAX (SAMSUNG)	N70	CPU	RS232C	7
C3M5P07-D9F0-D9M0			N70 Plus		RS233C	8
C3M5P07-D9F0-D9M0		OEMAX FARA	NX7	CPU	RS233C	8
C3M5P07-D9F0-D9M0			NX70		RS233C	8
C3M5P09-D9F0-D9F0		MITSUBISHI FX	FX1S	RS232C module (FX1N-232-BD)	RS232C	10
C3M5P09-D9F0-D9F0			FX1N	RS232C module (FX1S-232-BD)	RS232C	10
C3M5P09-D9F0-D9F0			FX2N	RS232C module (FX2N-232-BD)	RS232C	10
C3M5P08-D9M0-M8M1			FX3U	CPU	RS422	19
C3M5P05-D9F0-D9M0		MITSUBISHI Q	Q00J	Expansion module(QJ71C24N)	RS232C	6
C3M5P04-D9M0-W6*0					RS422	5
C3M5P05-D9F0-D9M0				Expansion module(QJ71C24N -R2)	RS232C	6
C3M5P04-D9M0-W6*0				Expansion module(QJ71C24N -R4)	RS422	5
C3M5P05-D9F0-D9M0			Q00	Expansion module(QJ71C24N)	RS232C	6
C3M5P04-D9M0-W6*0					RS422	5
C3M5P05-D9F0-D9M0				Expansion module(QJ71C24N -R2)	RS232C	6
C3M5P04-D9M0-W6*0		MITSUBISHI Q	Q00	Expansion module(QJ71C24N -R4)	RS422	5
C3M5P05-D9F0-D9M0			Q01	Expansion module(QJ71C24N)	RS232C	6
C3M5P04-D9M0-W6*0					RS422	5
C3M5P05-D9F0-D9M0				Expansion module(QJ71C24N -R2)	RS232C	6
C3M5P04-D9M0-W6*0				Expansion module(QJ71C24N -R4)	RS422	5
C3M5P05-D9F0-D9M0			Q02	Expansion module(QJ71C24N)	RS232C	6
C3M5P04-D9M0-W6*0					RS422	5
C3M5P05-D9F0-D9M0				Expansion module(QJ71C24N -R2)	RS232C	6
C3M5P04-D9M0-W6*0				Expansion module(QJ71C24N -R4)	RS422	5

COMMUNICATION CABLE

■GP/LP Communication Cable

Model		Series	Connectable device	Connectable module	Connection type	Connection diagram no.
C3M5P05-D9F0-D9M0		MITSUBISHI Q	Q02H	Expansion module(QJ71C24N)	RS232C	6
C3M5P04-D9M0-W6*0					RS422	5
C3M5P05-D9F0-D9M0				Expansion module(QJ71C24N -R2)	RS232C	6
C3M5P04-D9M0-W6*0				Expansion module(QJ71C24N -R4)	RS422	5
C3M5P05-D9F0-D9M0			Q06H	Expansion module(QJ71C24N)	RS232C	6
C3M5P04-D9M0-W6*0					RS422	5
C3M5P05-D9F0-D9M0				Expansion module(QJ71C24N -R2)	RS232C	6
C3M5P04-D9M0-W6*0				Expansion module(QJ71C24N -R4)	RS422	5
C3M5P05-D9F0-D9M0			Q12H	Expansion module(QJ71C24N)	RS232C	6
C3M5P04-D9M0-W6*0					RS422	5
C3M5P05-D9F0-D9M0				Expansion module(QJ71C24N -R2)	RS232C	6
C3M5P04-D9M0-W6*0				Expansion module(QJ71C24N -R4)	RS422	5
C3M5P05-D9F0-D9M0			Q25H	Expansion module(QJ71C24N)	RS232C	6
C3M5P04-D9M0-W6*0					RS422	5
C3M5P05-D9F0-D9M0				Expansion module(QJ71C24N -R2)	RS232C	6
C3M5P04-D9M0-W6*0				Expansion module(QJ71C24N -R4)	RS422	5
C3M5P10-D9F0-M5M0		NAIS FP	FP0-C16	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
C3M5P10-D9F0-M5M0			FP0-C32	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
C3M5P10-D9F0-M5M0			FP0-T32C	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
C3M5P10-D9F0-M5M0			FPG-C24R2	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12

COMMUNICATION CABLE

■GP/LP Communication Cable

Model		Series	Connectable device	Connectable module	Connection type	Connection diagram no.
C3M5P10-D9F0-M5M0		NAIS FP	FPG-C32T	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
C3M5P10-D9F0-M5M0			FPG-C32T2	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
C3M5P10-D9F0-M5M0			FP0R-C10	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
C3M5P10-D9F0-M5M0			FP0R-C14	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
C3M5P10-D9F0-M5M0			FP0R-C16	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
C3M5P10-D9F0-M5M0			FP0R-C32	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
C3M5P10-D9F0-M5M0			FP0R-T32	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
C3M5P10-D9F0-M5M0			FP0R-F32	CPU(Tool port)	RS232C	11
C3M5P11-D9F0-W4*0				CPU(COM port)	RS232C	12
For extension cable, C3M5P12-D9F0-D9M1		OMRON SYSMAC C	CPM1A	CPU	RS232C	13
C3M5P13-D9F0-T4Y0		OMRON temperature controller	E5AN	Modbus	RS233C	14
C3M5P03-D9M0-T4Y0				Modbus	RS485	15
C3M5P03-D9M0-T4Y0			E5AR	Modbus	RS485	15
C3M5P03-D9M0-T4Y0			E5CN	Modbus	RS485	15
C3M5P13-D9F0-T4Y0			E5EN	Modbus	RS233C	14
C3M5P03-D9M0-T4Y0				Modbus	RS485	15
C3M5P03-D9M0-T4Y0			E5ER	Modbus	RS485	15
C3M5P03-D9M0-W4*0		Autonics	MT series	Private	RS485	4
C3M5P03-D9M0-W4*0			MP series	Private	RS485	4
C3M5P03-D9M0-W4*0			THD series	Modbus	RS485	4
C3M5P03-D9M0-T4Y0			TZ series	Private	RS485	15
C3M5P03-D9M0-T4Y0			TK series	Modbus	RS485	15
C3M5P03-D9M0-T4Y0			TM series	Modbus	RS485	15
C3M5P03-D9M0-T4Y0			CT series	Modbus	RS485	15
C3M5P14-D9F0-D9F0		Autonics	LP-S044 series	CPU	RS232C	17
C3M5P15-D9M0-D9M0					RS422	18
C3M5P03-D9M0-W4*0		KONICS	DPU series	Modbus	RS485	4
C3M5P03-D9M0-W4*0			KRN50 series	Modbus	RS485	4
C3M5P03-D9M0-T4Y0		DELTA	DPB series	Modbus	RS485	15
C3M5P14-D9F0-D9F0		GP firmware	COMPUTER	*	RS232C	17

TEMPERATURE CONTROLLER

■PID temperature controller

Model	Price	Control output	Alarm output	Power supply	Remark
TC4SP-N4N	742,000	Indicator	No alarm output Alarm1 output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TC4SP-N4R	805,600	Relay contact output+ SSRP drive output			
TC4SP-14R	848,000				
TC4S-N4N	742,000	Indicator	No alarm output Alarm1 output Alarm2 output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TC4S-N4R	805,600	Relay contact output+ SSRP drive output			
TC4S-14R	848,000				
TC4S-24R	869,200				
TC4S-N2N	890,400	Indicator	No alarm output Alarm1 output Alarm2 output	24-48VDC, 24VAC 50/60Hz	Terminal type (Front-side removable type)
TC4S-N2R	975,200	Relay contact output+ SSRP drive output			
TC4S-12R	932,800				
TC4S-22R	1,060,000				
TC4Y-N4N	742,000	Indicator	No alarm output Alarm1 output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TC4Y-N4R	805,600	Relay contact output+ SSRP drive output			
TC4Y-14R	848,000				
TC4Y-N2N	890,400	Indicator	No alarm output Alarm2 output	24-48VDC, 24VAC 50/60Hz	Terminal type (Front-side removable type)
TC4Y-N2R	975,200	Relay contact output+ SSRP drive output			
TC4Y-12R	1,017,600				
TC4M-N4N	848,000	Indicator	No alarm output Alarm1 output Alarm2 output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TC4M-N4R	911,600	Relay contact output+ SSRP drive output			
TC4M-14R	932,800				
TC4M-24R	975,200				
TC4H-N4N	848,000	Indicator	No alarm output Alarm1 output Alarm2 output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TC4H-N4R	911,600	Relay contact output+ SSRP drive output			
TC4H-14R	932,800				
TC4H-24R	975,200				
TC4W-N4N	848,000	Indicator	No alarm output Alarm1 output Alarm2 output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TC4W-N4R	911,600	Relay contact output+ SSRP drive output			
TC4W-14R	932,800				
TC4W-24R	975,200				
TC4L-N4N	848,000	Indicator	No alarm output Alarm1 output Alarm2 output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TC4L-N4R	911,600	Relay contact output+ SSRP drive output			
TC4L-14R	932,800				
TC4L-24R	975,200				

TEMPERATURE CONTROLLER

■PID temperature controller

Model	Price	Power supply	Remark
TC3YF-14R	614,800	100-240VAC 50/60Hz	
TC3YF-24R	699,600		
TC3YF-34R	805,600		
TC3YF-11R	614,800	12-24VDC	
TC3YF-21R	699,600		
TC3YF-31R	805,600		

■PID temperature controller

Model	Price	SSR drive output	Alarm output	Power supply	Remark
TCN4S-24R	1,038,800	Relay contact output+ SSRP drive output	Alarm1 + Alram2 output	100-240VAC 50/60Hz	DIN W48XH48MM
TCN4S-22R	1,038,800				
TCN4M-24R	1,166,000				DIN W72XH72MM
TCN4M-22R	1,166,000				
TCN4H-24R	1,166,000				DIN W48XH96MM
TCN4H-22R	1,166,000				
TCN4L-24R	1,166,000				DIN W96XH96MM
TCN4L-24R	1,166,000				

TEMPERATURE CONTROLLER

■PID temperature controller

Model	Price	SSR drive output	Alarm output	Power supply	Remark
TD4M-N4S	1,420,400	SSR drive output	No alarm output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TD4M-N4C	1,420,400	Current output(DC4-20mA)			
TD4M-14R	1,484,000	Relay contact output			
TD4M-14S	1,484,000	SSR drive output	Alarm1 output		
TD4M-14C	1,484,000	Current output(DC4-20mA)			
TD4M-N4R	1,420,400	Relay contact output			
TD4H-N4R	1,484,000	Relay contact output+ SSR drive output	No alarm output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TD4H-N4C	1,484,000	Current output(DC4- 20mA)+SSR drive output			
TD4H-14R	1,526,400	Relay contact output+ SSR drive output	Alarm1 output		
TD4H-14C	1,526,400	Current output(DC4- 20mA)+SSR drive output			
TD4H-24R	1,590,000	Relay contact output+ SSR drive output	Alarm2 output		
TD4H-24C	1,590,000	Current output(DC4- 20mA)+SSR drive output			
TD4L-N4R	1,526,400	Relay contact output+ SSR drive output	No alarm output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TD4L-N4C	1,526,400	Current output(DC4- 20mA)+SSR drive output			
TD4L-14R	1,590,000	Relay contact output+ SSR drive output	Alarm1 output		
TD4L-14C	1,590,000	Current output(DC4- 20mA)+SSR drive output			
TD4L-24R	1,632,400	Relay contact output+ SSR drive output	Alarm2 output		
TD4L-24C	1,632,400	Current output(DC4- 20mA)+SSR drive output			
TD4LP-14R	1,696,000	Relay contact output+ SSR drive output	Alarm1 output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TD4LP-14C	1,696,000	Current output(DC4- 20mA)+SSR drive output			
TD4SP-N4R	1,314,400	Relay output	No alarm output	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TD4SP-N4S	1,314,400	SSR drive output			
TD4SP-N4C	1,314,400	Current output			

TEMPERATURE CONTROLLER

■Dual PID temperature controller

Model	Price	Control output	Sub output	Power Supply	Remark
TZN4S-14R	1,653,600	Relay contact output	EV1	100-240VAC 50/60Hz	Terminal type (Back-side removable type)
TZN4S-14S	1,653,600	SSR drive output	EV1		
TZN4S-14C	1,653,600	Current output(DC4-20mA)	EV1		
TZN4M-14R	1,950,400	Relay contact output	EV1	100-240VAC 50/60Hz	Terminal type (Back-side removable type)
TZN4M-14S	1,950,400	SSR drive output	EV1		
TZN4M-14C	1,950,400	Current output(DC4-20mA)	EV1		
TZN4M-24R	2,056,400	Relay contact output	EV1+EV2		
TZN4M-24S	2,056,400	SSR drive output	EV1+EV2		
TZN4M-24C	2,056,400	Current output(DC4-20mA)	EV1+EV2		
TZN4M-R4R	2,056,400	Relay contact output	EV1+PV transmission		
TZN4M-R4S	2,056,400	SSR drive output	EV1+PV transmission		
TZN4M-R4C	2,056,400	Current output(DC4-20mA)	EV1+PV transmission		
TZN4M-A4R	2,162,400	Relay contact output	EV1+EV2+PV transmission		
TZN4M-A4S	2,162,400	SSR drive output	EV1+EV2+PV transmission		
TZN4M-A4C	2,162,400	Current output(DC4-20mA)	EV1+EV2+PV transmission		
TZN4M-T4R	2,162,400	Relay contact output	EV1+RS485		
TZN4M-T4S	2,162,400	SSR drive output	EV1+RS485		
TZN4M-T4C	2,162,400	Current output(DC4-20mA)	EV1+RS485		
TZN4M-B4R	2,268,400	Relay contact output	EV1+EV2+RS485		
TZN4M-B4S	2,268,400	SSR drive output	EV1+EV2+RS485		
TZN4M-B4C	2,268,400	Current output(DC4-20mA)	EV1+EV2+RS485		
TZN4M-12R	1,950,400	Relay contact output	EV1	24VAC / 24-48VDC	Terminal type (Back-side removable type)
TZN4M-12S	1,950,400	SSR drive output	EV1		
TZN4M-12C	1,950,400	Current output(DC4-20mA)	EV1		
TZN4M-22R	2,056,400	Relay contact output	EV1+EV2		
TZN4M-22S	2,056,400	SSR drive output	EV1+EV2		
TZN4M-22C	2,056,400	Current output(DC4-20mA)	EV1+EV2		
TZN4M-R2R	2,056,400	Relay contact output	EV1+PV transmission		
TZN4M-R2S	2,056,400	SSR drive output	EV1+PV transmission		
TZN4M-R2C	2,056,400	Current output(DC4-20mA)	EV1+PV transmission		
TZN4M-A2R	2,162,400	Relay contact output	EV1+EV2+PV transmission		
TZN4M-A2S	2,162,400	SSR drive output	EV1+EV2+PV transmission		
TZN4M-A2C	2,162,400	Current output(DC4-20mA)	EV1+EV2+PV transmission		
TZN4M-T2R	2,162,400	Relay contact output	EV1+RS485		
TZN4M-T2S	2,162,400	SSR drive output	EV1+RS485		
TZN4M-T2C	2,162,400	Current output(DC4-20mA)	EV1+RS485		
TZN4M-B2R	2,268,400	Relay contact output	EV1+EV2+RS485		
TZN4M-B2S	2,268,400	SSR drive output	EV1+EV2+RS485		
TZN4M-B2C	2,268,400	Current output(DC4-20mA)	EV1+EV2+RS485		

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■Dual PID temperature controller

Model	Price	Control output	Sub output	Power Supply	Remark
TZN4W-14R	2,014,000	Relay contact output	EV1	100-240VAC 50/60Hz	Terminal type (Back-side removable type)
TZN4W-14S	2,014,000	SSR drive output	EV1		
TZN4W-14C	2,014,000	Current output(DC4-20mA)	EV1		
TZN4W-24R	2,077,600	Relay contact output	EV1+EV2		
TZN4W-24S	2,077,600	SSR drive output	EV1+EV2		
TZN4W-24C	2,077,600	Current output(DC4-20mA)	EV1+EV2		
TZN4W-R4R	2,077,600	Relay contact output	EV1+PV transmission		
TZN4W-R4S	2,077,600	SSR drive output	EV1+PV transmission		
TZN4W-R4C	2,077,600	Current output(DC4-20mA)	EV1+PV transmission		
TZN4W-A4R	2,162,400	Relay contact output	EV1+EV2+PV transmission		
TZN4W-A4S	2,162,400	SSR drive output	EV1+EV2+PV transmission		
TZN4W-A4C	2,162,400	Current output(DC4-20mA)	EV1+EV2+PV transmission		
TZN4W-T4R	2,162,400	Relay contact output	EV1+RS485		
TZN4W-T4S	2,162,400	SSR drive output	EV1+RS485		
TZN4W-T4C	2,162,400	Current output(DC4-20mA)	EV1+RS485		
TZN4W-B4R	2,268,400	Relay contact output	EV1+EV2+RS485		
TZN4W-B4S	2,268,400	SSR drive output	EV1+EV2+RS485		
TZN4W-B4C	2,268,400	Current output(DC4-20mA)	EV1+EV2+RS485		
TZN4H-14R	2,014,000	Relay contact output	EV1	100-240VAC 50/60Hz	Terminal type (Back-side removable type)
TZN4H-14S	2,014,000	SSR drive output	EV1		
TZN4H-14C	2,014,000	Current output(DC4-20mA)	EV1		
TZN4H-24R	2,077,600	Relay contact output	EV1+EV2		
TZN4H-24S	2,077,600	SSR drive output	EV1+EV2		
TZN4H-24C	2,077,600	Current output(DC4-20mA)	EV1+EV2		
TZN4H-R4R	2,077,600	Relay contact output	EV1+PV transmission		
TZN4H-R4S	2,077,600	SSR drive output	EV1+PV transmission		
TZN4H-R4C	2,077,600	Current output(DC4-20mA)	EV1+PV transmission		
TZN4H-A4R	2,162,400	Relay contact output	EV1+EV2+PV transmission		
TZN4H-A4S	2,162,400	SSR drive output	EV1+EV2+PV transmission		
TZN4H-A4C	2,162,400	Current output(DC4-20mA)	EV1+EV2+PV transmission		
TZN4H-T4R	2,162,400	Relay contact output	EV1+RS485		
TZN4H-T4S	2,162,400	SSR drive output	EV1+RS485		
TZN4H-T4C	2,162,400	Current output(DC4-20mA)	EV1+RS485		
TZN4H-B4R	2,268,400	Relay contact output	EV1+EV2+RS485		
TZN4H-B4S	2,268,400	SSR drive output	EV1+EV2+RS485		
TZN4H-B4C	2,268,400	Current output(DC4-20mA)	EV1+EV2+RS485		

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■Dual PID temperature controller

Model	Price	Control output	Sub output	Power Supply	Remark
TZN4L-14R	2,077,600	Relay contact output	EV1	100-240VAC 50/60Hz	Terminal type (Back-side removable type)
TZN4L-14S	2,077,600	SSR drive output	EV1		
TZN4L-14C	2,077,600	Current output(DC4-20mA)	EV1		
TZN4L-24R	2,183,600	Relay contact output	EV1+EV2		
TZN4L-24S	2,183,600	SSR drive output	EV1+EV2		
TZN4L-24C	2,183,600	Current output(DC4-20mA)	EV1+EV2		
TZN4L-R4R	2,183,600	Relay contact output	EV1+PV transmission		
TZN4L-R4S	2,183,600	SSR drive output	EV1+PV transmission		
TZN4L-R4C	2,183,600	Current output(DC4-20mA)	EV1+PV transmission		
TZN4L-A4R	2,268,400	Relay contact output	EV1+EV2+PV		
TZN4L-A4S	2,268,400	SSR drive output	EV1+EV2+PV		
TZN4L-A4C	2,268,400	Current output(DC4-20mA)	EV1+EV2+PV		
TZN4L-T4R	2,268,400	Relay contact output	EV1+RS485		
TZN4L-T4S	2,268,400	SSR drive output	EV1+RS485		
TZN4L-T4C	2,268,400	Current output(DC4-20mA)	EV1+RS485		
TZN4L-B4R	2,374,400	Relay contact output	EV1+EV2+RS485		
TZN4L-B4S	2,374,400	SSR drive output	EV1+EV2+RS485		
TZN4L-B4C	2,374,400	Current output(DC4-20mA)	EV1+EV2+RS485		

■Dual PID temperature controller

Model	Price	Control output	Sub output	Power Supply	Remark
TZ4SP-12R	1,653,600	Relay contact output	EV1	24VAC / 24-48VDC	Plug type (Front-side removable type)
TZ4SP-12S	1,653,600	SSR drive output	EV1		
TZ4SP-12C	1,653,600	Current output(DC4-20mA)	EV1		
TZ4SP-14R	1,653,600	Relay contact output	EV1	100-240VAC 50/60Hz	
TZ4SP-14S	1,653,600	SSR drive output	EV1		
TZ4SP-14C	1,653,600	Current output(DC4-20mA)	EV1		
TZ4ST-12R	1,653,600	Relay contact output	EV1	24VAC / 24-48VDC	Terminal type (Front-side removable type)
TZ4ST-12S	1,653,600	SSR drive output	EV1		
TZ4ST-12C	1,653,600	Current output(DC4-20mA)	EV1		
TZ4ST-22R	1,802,000	Relay contact output	EV1+EV2		
TZ4ST-22S	1,802,000	SSR drive output	EV1+EV2		
TZ4ST-22C	1,802,000	Current output(DC4-20mA)	EV1+EV2		
TZ4ST-R2R	1,802,000	Relay contact output	EV1+PV transmission		
TZ4ST-R2S	1,802,000	SSR drive output	EV1+PV transmission		
TZ4ST-R2C	1,802,000	Current output(DC4-20mA)	EV1+PV transmission		

TEMPERATURE CONTROLLER

■Dual PID temperature controller

Model	Price	Control output	Sub output	Power supply	Remark
TZ4ST-14R	1,653,600	Relay contact output	EV1	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TZ4ST-14S	1,653,600	SSR drive output	EV1		
TZ4ST-14C	1,653,600	Current output(DC4-20mA)	EV1		
TZ4ST-24R	1,802,000	Relay contact output	EV1+EV2		
TZ4ST-24S	1,802,000	SSR drive output	EV1+EV2		
TZ4ST-24C	1,802,000	Current output(DC4-20mA)	EV1+EV2		
TZ4ST-R4R	1,802,000	Relay contact output	EV1+PV transmission		
TZ4ST-R4S	1,802,000	SSR drive output	EV1+PV transmission		
TZ4ST-R4C	1,802,000	Current output(DC4-20mA)	EV1+PV transmission		

■Dual PID temperature controller

Model	Price	Control output	Sub output	Power supply	Remark
TZ4M-14R	2,014,000	Relay contact output	EV1	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TZ4M-14S	2,014,000	SSR drive output	EV1		
TZ4M-14C	2,014,000	Current output(DC4-20mA)	EV1		
TZ4M-24R	2,056,400	Relay contact output	EV1+EV2		
TZ4M-24S	2,056,400	SSR drive output	EV1+EV2		
TZ4M-24C	2,056,400	Current output(DC4-20mA)	EV1+EV2		
TZ4M-R4R	2,056,400	Relay contact output	EV1+PV transmission		
TZ4M-R4S	2,056,400	SSR drive output	EV1+PV transmission		
TZ4M-R4C	2,056,400	Current output(DC4-20mA)	EV1+PV transmission		
TZ4M-A4R	2,162,400	Relay contact output	EV1+EV2+PV		
TZ4M-A4S	2,162,400	SSR drive output	EV1+EV2+PV		
TZ4M-A4C	2,162,400	Current output(DC4-20mA)	EV1+EV2+PV		
TZ4M-T4R	2,162,400	Relay contact output	EV1+RS485		
TZ4M-T4S	2,162,400	SSR drive output	EV1+RS485		
TZ4M-T4C	2,162,400	Current output(DC4-20mA)	EV1+RS485		
TZ4M-B4R	2,268,400	Relay contact output	EV1+EV2+RS485		
TZ4M-B4S	2,268,400	SSR drive output	EV1+EV2+RS485		
TZ4M-B4C	2,268,400	Current output(DC4-20mA)	EV1+EV2+RS485		
TZ4H-14R	2,014,000	Relay contact output	EV1	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TZ4H-14S	2,014,000	SSR drive output	EV1		
TZ4H-14C	2,014,000	Current output(DC4-20mA)	EV1		
TZ4H-24R	2,077,600	Relay contact output	EV1+EV2		
TZ4H-24S	2,077,600	SSR drive output	EV1+EV2		
TZ4H-24C	2,077,600	Current output(DC4-20mA)	EV1+EV2		

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■Dual PID temperature controller

Model	Price	Control output	Sub output	Power supply	Remark
TZ4H-R4R	2,077,600	Relay contact output	EV1+PV transmission	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TZ4H-R4S	2,077,600	SSR drive output	EV1+PV transmission		
TZ4H-R4C	2,077,600	Current output(DC4-20mA)	EV1+PV transmission		
TZ4H-A4R	2,162,400	Relay contact output	EV1+EV2+PV		
TZ4H-A4S	2,162,400	SSR drive output	EV1+EV2+PV		
TZ4H-A4C	2,162,400	Current output(DC4-20mA)	EV1+EV2+PV		
TZ4H-T4R	2,162,400	Relay contact output	EV1+RS485		
TZ4H-T4S	2,162,400	SSR drive output	EV1+RS485		
TZ4H-T4C	2,162,400	Current output(DC4-20mA)	EV1+RS485		
TZ4H-B4R	2,268,400	Relay contact output	EV1+EV2+RS485		
TZ4H-B4S	2,268,400	SSR drive output	EV1+EV2+RS485		
TZ4H-B4C	2,268,400	Current output(DC4-20mA)	EV1+EV2+RS485		
TZ4W-14R	2,014,000	Relay contact output	EV1	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TZ4W-14S	2,014,000	SSR drive output	EV1		
TZ4W-14C	2,014,000	Current output(DC4-20mA)	EV1		
TZ4W-24R	2,077,600	Relay contact output	EV1+EV2		
TZ4W-24S	2,077,600	SSR drive output	EV1+EV2		
TZ4W-24C	2,077,600	Current output(DC4-20mA)	EV1+EV2		
TZ4W-R4R	2,077,600	Relay contact output	EV1+PV transmission		
TZ4W-R4S	2,077,600	SSR drive output	EV1+PV transmission		
TZ4W-R4C	2,077,600	Current output(DC4-20mA)	EV1+PV transmission		
TZ4W-A4R	2,162,400	Relay contact output	EV1+EV2+PV		
TZ4W-A4S	2,162,400	SSR drive output	EV1+EV2+PV		
TZ4W-A4C	2,162,400	Current output(DC4-20mA)	EV1+EV2+PV		
TZ4W-T4R	2,162,400	Relay contact output	EV1+RS485		
TZ4W-T4S	2,162,400	SSR drive output	EV1+RS485		
TZ4W-T4C	2,162,400	Current output(DC4-20mA)	EV1+RS485		
TZ4W-B4R	2,268,400	Relay contact output	EV1+EV2+RS485		
TZ4W-B4S	2,268,400	SSR drive output	EV1+EV2+RS485		
TZ4W-B4C	2,268,400	Current output(DC4-20mA)	EV1+EV2+RS485		

TEMPERATURE CONTROLLER

■Dual PID temperature controller

Model	Price	Control output	Sub output	Power Supply	Remark
TZ4L-14R	2,077,600	Relay contact output	EV1	100-240VAC 50/60Hz	Terminal type (Front-side removable type)
TZ4L-14S	2,077,600	SSR drive output	EV1		
TZ4L-14C	2,077,600	Current output(DC4-20mA)	EV1		
TZ4L-24R	2,183,600	Relay contact output	EV1+EV2		
TZ4L-24S	2,183,600	SSR drive output	EV1+EV2		
TZ4L-24C	2,183,600	Current output(DC4-20mA)	EV1+EV2		
TZ4L-R4R	2,183,600	Relay contact output	EV1+PV transmission		
TZ4L-R4S	2,183,600	SSR drive output	EV1+PV transmission		
TZ4L-R4C	2,183,600	Current output(DC4-20mA)	EV1+PV transmission		
TZ4L-A4R	2,268,400	Relay contact output	EV1+EV2+PV transmission		
TZ4L-A4S	2,268,400	SSR drive output	EV1+EV2+PV transmission		
TZ4L-A4C	2,268,400	Current output(DC4-20mA)	EV1+EV2+PV transmission		
TZ4L-T4R	2,268,400	Relay contact output	EV1+RS485		
TZ4L-T4S	2,268,400	SSR drive output	EV1+RS485		
TZ4L-T4C	2,268,400	Current output(DC4-20mA)	EV1+RS485		
TZ4L-B4R	2,374,400	Relay contact output	EV1+EV2+RS485		
TZ4L-B4S	2,374,400	SSR drive output	EV1+EV2+RS485		
TZ4L-B4C	2,374,400	Current output(DC4-20mA)	EV1+EV2+RS485		
TZ4L-12R	2,077,600	Relay contact output	EV1	24VAC / 24-48VDC	Terminal type (Front-side removable type)
TZ4L-12S	2,077,600	SSR drive output	EV1		
TZ4L-12C	2,077,600	Current output(DC4-20mA)	EV1		
TZ4L-22R	2,183,600	Relay contact output	EV1+EV2		
TZ4L-22S	2,183,600	SSR drive output	EV1+EV2		
TZ4L-22C	2,183,600	Current output(DC4-20mA)	EV1+EV2		
TZ4L-R2R	2,183,600	Relay contact output	EV1+PV transmission		
TZ4L-R2S	2,183,600	SSR drive output	EV1+PV transmission		
TZ4L-R2C	2,183,600	Current output(DC4-20mA)	EV1+PV transmission		
TZ4L-A2R	2,268,400	Relay contact output	EV1+EV2+PV transmission		
TZ4L-A2S	2,268,400	SSR drive output	EV1+EV2+PV transmission		
TZ4L-A2C	2,268,400	Current output(DC4-20mA)	EV1+EV2+PV transmission		
TZ4L-T2R	2,268,400	Relay contact output	EV1+RS485		
TZ4L-T2S	2,268,400	SSR drive output	EV1+RS485		
TZ4L-T2C	2,268,400	Current output(DC4-20mA)	EV1+RS485		
TZ4L-B2R	2,374,400	Relay contact output	EV1+EV2+RS485		
TZ4L-B2S	2,374,400	SSR drive output	EV1+EV2+RS485		
TZ4L-B2C	2,374,400	Current output(DC4-20mA)	EV1+EV2+RS485		

TEMPERATURE CONTROLLER

■Digital switch setting type temperature controller

Model	Price	Control output	Power Supply	Remark
T3S-B4XXXC	1,441,600	Selectable relay output / SSR drive / Current output(DC4-20mA)	100-240VAC	Plug type
T3H-B3XXXC	1,653,600		110/220VAC 50/60Hz	Terminal type
T4M-B3XXXC	1,547,600			
T4L-B3XXXC	1,844,400			

■Alarm, SUB output type/ Dual setting type temperature controller

Model	Price	Control output	Power Supply	Remark
T3HA-B3XXXC	1,844,400	Selectable relay output / SSR drive / Current output(DC4-20mA)	110/220VAC 50/60Hz	Alarm output Ry 1a
T3HS-B3XXXC	1,844,400			SUB output Ry 1a
T4MA-B3XXXC	1,844,400			Alarm output Ry 1a
T4LA-B3XXXC	2,162,400			Alarm output Ry 1c
T4LP-B3XXXC	2,226,000			Dual settint, Alarm output Ry 1c

■Indicator type temperature controller

Model	Price	Power Supply	Control output	Remark
T3NI	784,400	12-24VDC	No control output	Terminal type
T4YI	1,081,200	100-240VAC 50/60Hz		
T4WI	1,081,200	110/220VAC 50/60Hz		

■Indicator type temperature controller

Model	Price	Power Supply	Control output	Remark
T3SI-NXNXXC	1,081,200	100-240VAC 50/60Hz	No control output	Plug type
T3HI-N3MXXC	1,166,000	110/220VAC 50/60Hz		Terminal type
T4MI-N3NXXC	1,166,000			
T4LI-N3NXXC	1,356,800			

■Analog type temperature controller

Model	Price	Control output	Power Supply	Remark
TOS	530,000	Selectable relay output / SSR drive	100-240VAC 50/60Hz	Plug type
TOM	699,600		110/220VAC 50/60Hz	Terminal type
TOL	699,600			

TEMPERATURE CONTROLLER

■ Board type temperature controller

Model	Price	Control output	Sub output	Power Supply	Remark
TB42-14R	1,844,400	Relay contact output	EVENT1 (250VAC 0.5A 1a)	100-240VAC 50/60Hz	Display part, Control part cable length 300mm (100mm Option)
TB42-14S	1,844,400	SSR drive output			
TB42-14C	1,844,400	Current output(DC4-20mA)			
TB42-14N	1,844,400	-	PV transmission (DC4-20mA)		

■ 5 point input temperature controller

Model	Price	Control output	Sub output	Power Supply	Remark
T4WM-N3NXXC	1,992,800	Indicator	-	110/220VAC 50/60Hz	5 point input type

■ Temperature/humidity sensor

Temperature/humidity sensor					
Model		Temperature output	Humidity output	Power Supply	Remark
THD-R-C	2,416,800	DC4-20mA		24VDC	Built-in temp./ humidity sensor
THD-R-V	2,416,800	1-5VDC			
THD-R-T	2,756,000	RS485(MODBUS RTU)			
THD-R-PT	530,000	Pt100Ω resistance value	—		
THD-R-PT/C	2,416,800	Pt100Ω resistance value	DC 4-20mA		
THD-D1-C	3,264,800	DC4-20mA			
THD-D1-V	3,264,800	1-5VDC			
THD-D1-T	3,434,400	RS485(MODBUS RTU)			
THD-D2-C	3,264,800	DC4-20mA			
THD-D2-V	3,264,800	1-5VDC			
THD-D2-T	3,434,400	RS485(MODBUS RTU)			
THD-DD1-C	3,604,000	DC4-20mA			
THD-DD1-V	3,604,000	1-5VDC			
THD-DD1-T	3,794,800	RS485(MODBUS RTU)			
THD-DD2-C	3,604,000	DC4-20mA			
THD-DD2-V	3,604,000	1-5VDC			
THD-DD2-T	3,794,800	RS485(MODBUS RTU)			

TEMPERATURE CONTROLLER

■Temperature/humidity sensor

Model	Price	Temperature output	Humidity output	Power Supply	Remark
THD-W1-C	3,264,800	DC4-20mA		24VDC	Built-in temp./ humidity sensor
THD-W1-V	3,264,800	1-5VDC			
THD-W1-T	3,434,400	RS485(MODBUS RTU)			
THD-W2-C	3,264,800	DC4-20mA			
THD-W2-V	3,264,800	1-5VDC			
THD-W2-T	3,434,400	RS485(MODBUS RTU)			
THD-WD1-C	3,604,000	DC4-20mA			
THD-WD1-V	3,604,000	1-5VDC			
THD-WD1-T	3,794,800	RS485(MODBUS RTU)			
THD-WD2-C	3,604,000	DC4-20mA			
THD-WD2-V	3,604,000	1-5VDC			
THD-WD2-T	3,794,800	RS485(MODBUS RTU)			

■ Serial converter module (RS232C ↔ RS485 convertible)

Model		Communication type	Communication speed	Power Supply	Remark
SCM-38I	1,484,000	Half Duplex type	1200~115200bps	12-24VDC	*Available
SCM-US	1,484,000	Half Duplex type	9600bps	5VDC	*Available
SCM-US48I	1,484,000	Half Duplex type	1200~115200bps	5VDC	*Available

■Power controller

Model	Price	Power Supply	Control mode	Current	Control input
SPC1-35-E	1,293,200	220VAC 50/60Hz	Phase control, Cycle control(Zero Cross), ON/OFF control(Zero Cross)	Single 35A	DC4-20mA, DC1-5V External VR, Output limit input, Inner VR
SPC1-50-E	1,632,400			Single 50A	

TEMPERATURE CONTROLLER

■Standard PID temperature controller

Model	Price	Option Output	Power supply	Out1 Control Output	Out2 Control Output	Remark	
TK4S-14CN	1,399,200	Alarm1	100-240VAC 50/60Hz	Current or SSR Drive	NONE	DIN W48XH48M M (Terminal block type)	
TK4S-14RN	1,399,200			Relay Contact Output			
TK4S-14SN	1,399,200			SSRP Voltage Output			
TK4S-24CN	1,526,400	Alarm1+Alarm2		Current or SSR Drive			
TK4S-24RN	1,526,400			Relay Contact Output			
TK4S-24SN	1,526,400			SSRP Voltage Output			
TK4S-R4CN	1,526,400	Alarm1+PV transmission		Current or SSR Drive			
TK4S-R4RN	1,526,400			Relay Contact Output			
TK4S-R4SN	1,526,400			SSRP Voltage Output			
TK4S-14CC	1,568,800	Alarm1		Current or SSR Drive	Current or SSR Drive		
TK4S-14CR	1,568,800				Relay Contact Output		
TK4S-14RC	1,568,800			Relay Contact Output	Current or SSR Drive		
TK4S-14RR	1,568,800				Relay Contact Output		
TK4S-14SC	1,568,800			SSRP Voltage Output	Current or SSR Drive		
TK4S-14SR	1,568,800				Relay Contact Output		
TK4S-24CC	1,717,200	Alarm1+Alarm2		Current or SSR Drive	Current or SSR Drive		
TK4S-24CR	1,717,200				Relay Contact Output		
TK4S-24RC	1,717,200			Relay Contact Output	Current or SSR Drive		
TK4S-24RR	1,717,200				Relay Contact Output		
TK4S-24SC	1,717,200			SSRP Voltage Output	Current or SSR Drive		
TK4S-24SR	1,717,200				Relay Contact Output		
TK4S-A4CN	1,717,200	Alarm1+Alarm2+PV transmission		Current or SSR Drive	NONE		
TK4S-A4RN	1,717,200			Relay Contact Output	NONE		
TK4S-A4SN	1,717,200			SSRP Voltage Output	NONE		
TK4S-R4CC	1,717,200	Alarm1+PV transmission		Current or SSR Drive	Current or SSR Drive		
TK4S-R4CR	1,717,200				Relay Contact Output		
TK4S-R4RC	1,717,200			Relay Contact Output	Current or SSR Drive		
TK4S-R4RR	1,717,200				Relay Contact Output		
TK4S-R4SC	1,717,200			SSRP Voltage Output	Current or SSR Drive		
TK4S-R4SR	1,717,200				Relay Contact Output		

TEMPERATURE CONTROLLER

■Standard PID temperature controller

Model	Price	Option Output	Power supply	Out1 Control Output	Out2 Control Output	Remark
TK4S-T4CN	1,717,200	Alarm1+RS485	100-240VAC 50/60Hz	Current or SSR Drive	NONE	DIN W48XH48M M (Terminal block type)
TK4S-T4RN	1,717,200			Relay Contact Output	NONE	
TK4S-T4SN	1,717,200			SSRP Voltage Output	NONE	
TK4S-A4CC	1,886,800	Alarm1+Alarm2+PV transmission		Current or SSR Drive	Current or SSR Drive	
TK4S-A4CR	1,886,800				Relay Contact Output	
TK4S-A4RC	1,886,800			Relay Contact Output	Current or SSR Drive	
TK4S-A4RR	1,886,800	Relay Contact Output				
TK4S-A4SC	1,886,800	Alarm1+Alarm2+PV transmission		SSRP Voltage Output	Current or SSR Drive	
TK4S-A4SR	1,886,800				Relay Contact Output	
TK4S-B4CN	1,886,800	Alarm1+Alarm2+RS 485		Current or SSR Drive	NONE	
TK4S-B4RN	1,886,800			Relay Contact Output	NONE	
TK4S-B4SN	1,886,800			SSRP Voltage Output	NONE	
TK4S-T4CC	1,886,800	Alarm1+RS485		Current or SSR Drive	Current or SSR Drive	
TK4S-T4CR	1,886,800				Relay Contact Output	
TK4S-T4RC	1,886,800			Relay Contact Output	Current or SSR Drive	
TK4S-T4RR	1,886,800				Relay Contact Output	
TK4S-T4SC	1,886,800			SSRP Voltage Output	Current or SSR Drive	
TK4S-T4SR	1,886,800				Relay Contact Output	
TK4S-B4CC	2,077,600	Alarm1+Alarm2+RS 485		Current or SSR Drive	Current or SSR Drive	
TK4S-B4CR	2,077,600				Relay Contact Output	
TK4S-B4RC	2,077,600			Relay Contact Output	Current or SSR Drive	
TK4S-B4RR	2,077,600				Relay Contact Output	
TK4S-B4SC	2,077,600			SSRP Voltage Output	Current or SSR Drive	
TK4S-B4SR	2,077,600				Relay Contact Output	
TK4SP-14CN	1,335,600	Alarm1		Current or SSR Drive	NONE	DIN W48XH48M M (Plug type)
TK4SP-14RN	1,335,600			Relay Contact Output		
TK4SP-14SN	1,335,600			SSRP Voltage Output		
TK4SP-14CC	1,484,000	Alarm1		Current or SSR Drive	Current or SSR Drive	
TK4SP-14CR	1,484,000				Relay Contact Output	
TK4SP-14RC	1,484,000			Relay Contact Output	Current or SSR Drive	
TK4SP-14RR	1,484,000				Relay Contact Output	
TK4SP-14SC	1,484,000			SSRP Voltage Output	Current or SSR Drive	
TK4SP-14SR	1,484,000				Relay Contact Output	

TEMPERATURE CONTROLLER

■Standard PID temperature controller

Model	Price	Option Output	Power supply	Out1 Control Output	Out2 Control	Remark
TK4M-14CN	1,717,200	Alarm1	100-240VAC 50/60Hz	Current or SSR Drive	NONE	DIN W72XH72M M
TK4M-14RN	1,717,200			Relay Contact Output		
TK4M-14SN	1,717,200			SSRP Voltage Output		
TK4M-24CN	1,886,800	Alarm1+Alarm2		Current or SSR Drive		
TK4M-24RN	1,886,800			Relay Contact Output		
TK4M-24SN	1,886,800			SSRP Voltage Output		
TK4M-R4CN	1,886,800	Alarm1+PV transmission	100-240VAC 50/60Hz	Current or SSR Drive		
TK4M-R4RN	1,886,800			Relay Contact Output		
TK4M-R4SN	1,886,800			SSRP Voltage Output		
TK4M-14CC	1,971,600	Alarm1		Current or SSR Drive	Current or SSR Drive	
TK4M-14CR	1,971,600			Relay Contact Output	Relay Contact Output	
TK4M-14RC	1,971,600				Current or SSR Drive	
TK4M-14RR	1,971,600			SSRP Voltage Output	Relay Contact Output	
TK4M-14SC	1,971,600				Current or SSR Drive	
TK4M-14SR	1,971,600			Relay Contact Output		
TK4M-A4CN	2,098,800	Alarm1+Alarm2+PV transmission		Current or SSR Drive	NONE	
TK4M-A4RN	2,098,800			Relay Contact Output		
TK4M-A4SN	2,098,800			SSRP Voltage Output		
TK4M-T4CN	2,098,800	Alarm1+RS485		Current or SSR Drive		
TK4M-T4RN	2,098,800			Relay Contact Output		
TK4M-T4SN	2,098,800			SSRP Voltage Output		
TK4M-24CC	2,120,000	Alarm1+Alarm2		Current or SSR Drive	Current or SSR Drive	
TK4M-24CR	2,120,000			Relay Contact Output	Relay Contact Output	
TK4M-24RC	2,120,000				Current or SSR Drive	
TK4M-24RR	2,120,000	Alarm1+Alarm2		Relay Contact Output	Relay Contact Output	
TK4M-24SC	2,120,000			SSRP Voltage Output	Current or SSR Drive	
TK4M-24SR	2,120,000				Relay Contact Output	
TK4M-R4CC	2,120,000	Alarm1+PV transmission		Current or SSR Drive	Current or SSR Drive	
TK4M-R4CR	2,120,000			Relay Contact Output	Relay Contact Output	
TK4M-R4RC	2,120,000				Current or SSR Drive	
TK4M-R4RR	2,120,000			SSRP Voltage Output	Relay Contact Output	
TK4M-R4SC	2,120,000				Current or SSR Drive	
TK4M-R4SR	2,120,000			Relay Contact Output		

TEMPERATURE CONTOLLER

■Standard PID temperature controller

Model	Price	Option Output	Power supply	Out1 Control Output	Out2 Control Output	Remark
TK4M-B4CN	2,226,000	Alarm1+Alarm2+RS 485	100-240VAC 50/60Hz	Current or SSR Drive	NONE	DIN W72XH72M M
TK4M-B4RN	2,226,000			Relay Contact Output		
TK4M-B4SN	2,226,000			SSRP Voltage Output		
TK4M-A4CC	2,332,000	Alarm1+Alarm2+PV transmission		Current or SSR Drive	Current or SSR Drive	
TK4M-A4CR	2,332,000			Relay Contact Output	Relay Contact Output	
TK4M-A4RC	2,332,000			Relay Contact Output	Current or SSR Drive	
TK4M-A4RR	2,332,000			Relay Contact Output	Relay Contact Output	
TK4M-A4SC	2,332,000			SSRP Voltage Output	Current or SSR Drive	
TK4M-A4SR	2,332,000			SSRP Voltage Output	Relay Contact Output	
TK4M-T4CC	2,332,000	Alarm1+RS485		Current or SSR Drive	Current or SSR Drive	
TK4M-T4CR	2,332,000			Relay Contact Output	Relay Contact Output	
TK4M-T4RC	2,332,000			Relay Contact Output	Current or SSR Drive	
TK4M-T4RR	2,332,000		Relay Contact Output	Relay Contact Output		
TK4M-T4SC	2,332,000		SSRP Voltage Output	Current or SSR Drive		
TK4M-T4SR	2,332,000		SSRP Voltage Output	Relay Contact Output		
TK4M-B4CC	2,480,400	Alarm1+Alarm2+RS 485	Current or SSR Drive	Current or SSR Drive		
TK4M-B4CR	2,480,400		Relay Contact Output	Relay Contact Output		
TK4M-B4RC	2,480,400		Relay Contact Output	Current or SSR Drive		
TK4M-B4RR	2,480,400		Relay Contact Output	Relay Contact Output		
TK4M-B4SC	2,480,400		SSRP Voltage Output	Current or SSR Drive		
TK4M-B4SR	2,480,400		SSRP Voltage Output	Relay Contact Output		
TK4W-14CN	1,717,200	Alarm1	Current or SSR Drive	NONE	DIN W96XH48M M	
TK4W-14RN	1,717,200		Relay Contact Output			
TK4W-14SN	1,717,200		SSRP Voltage Output			
TK4W-24CN	1,886,800	Alarm1+Alarm2	Current or SSR Drive			
TK4W-24RN	1,886,800		Relay Contact Output			
TK4W-24SN	1,886,800		SSRP Voltage Output			
TK4W-R4CN	2,204,800	Alarm1+PV transmission	Current or SSR Drive			
TK4W-R4RN	2,204,800		Relay Contact Output			
TK4W-R4SN	2,204,800		SSRP Voltage Output			

TEMPERATURE CONTROLLER

■Standard PID temperature controller

Model	Price	Option Output	Power supply	Out1 Control Output	Out2 Control Output	Remark	
TK4W-14CC	1,971,600	Alarm1	100-240VAC 50/60Hz	Current or SSR Drive	Current or SSR Drive	DIN W96XH48M M	
TK4W-14CR	1,971,600				Relay Contact Output		
TK4W-14RC	1,971,600			Relay Contact Output	Current or SSR Drive		
TK4W-14RR	1,971,600				Relay Contact Output		
TK4W-14SC	1,971,600			SSRP Voltage Output	Current or SSR Drive		
TK4W-14SR	1,971,600				Relay Contact Output		
TK4W-A4CN	2,098,800	Alarm1+Alarm2+PV transmission		Current or SSR Drive	NONE		
TK4W-A4RN	2,098,800			Relay Contact Output			
TK4W-A4SN	2,098,800			SSRP Voltage Output			
TK4W-T4CN	2,289,600	Alarm1+RS485		Current or SSR Drive			
TK4W-T4RN	2,289,600			Relay Contact Output			
TK4W-T4SN	2,289,600			SSRP Voltage Output			
TK4W-24CC	2,120,000	Alarm1+Alarm2	100-240VAC 50/60Hz	Current or SSR Drive	Current or SSR Drive		
TK4W-24CR	2,120,000				Relay Contact Output		
TK4W-24RC	2,120,000			Relay Contact Output	Current or SSR Drive		
TK4W-24RR	2,120,000				Relay Contact Output		
TK4W-24SC	2,120,000			SSRP Voltage Output	Current or SSR Drive		
TK4W-24SR	2,120,000				Relay Contact Output		
TK4W-R4CC	2,374,400	Alarm1+PV transmission		Current or SSR Drive	Current or SSR Drive		
TK4W-R4CR	2,374,400				Relay Contact Output		
TK4W-R4RC	2,374,400			Relay Contact Output	Current or SSR Drive		
TK4W-R4RR	2,374,400				Relay Contact Output		
TK4W-R4SC	2,374,400			SSRP Voltage Output	Current or SSR Drive		
TK4W-R4SR	2,374,400				Relay Contact Output		
TK4W-B4CN	2,438,000	Alarm1+Alarm2+RS 485		Current or SSR Drive	NONE		
TK4W-B4RN	2,438,000			Relay Contact Output			
TK4W-B4SN	2,438,000			SSRP Voltage Output			

TEMPERATURE CONTROLLER

■Standard PID temperature controller

Model	Price	Option Output	Power supply	Out1 Control Output	Out2 Control Output	Remark
TK4W-A4CC	2,332,000	Alarm1+Alarm2+PV transmission	100-240VAC 50/60Hz	Current or SSR Drive	Current or SSR Drive	DIN W96XH48M M
TK4W-A4CR	2,332,000				Relay Contact Output	
TK4W-A4RC	2,332,000			Relay Contact Output	Current or SSR Drive	
TK4W-A4RR	2,332,000				Relay Contact Output	
TK4W-A4SC	2,332,000			SSRP Voltage Output	Current or SSR Drive	
TK4W-A4SR	2,332,000				Relay Contact Output	
TK4W-T4CC	2,565,200	Alarm1+RS485		Current or SSR Drive	Current or SSR Drive	
TK4W-T4CR	2,565,200				Relay Contact Output	
TK4W-T4RC	2,565,200			Relay Contact Output	Current or SSR Drive	
TK4W-T4RR	2,565,200				Relay Contact Output	
TK4W-T4SC	2,565,200			SSRP Voltage Output	Current or SSR Drive	
TK4W-T4SR	2,565,200				Relay Contact Output	
TK4W-B4CC	2,713,600	Alarm1+Alarm2+RS 485		Current or SSR Drive	Current or SSR Drive	
TK4W-B4CR	2,713,600				Relay Contact Output	
TK4W-B4RC	2,713,600			Relay Contact Output	Current or SSR Drive	
TK4W-B4RR	2,713,600				Relay Contact Output	
TK4W-B4SC	2,713,600			SSRP Voltage Output	Current or SSR Drive	
TK4W-B4SR	2,713,600				Relay Contact Output	
TK4H-14CN	1,717,200	Alarm1	100-240VAC 50/60Hz	Current or SSR Drive	NONE	DIN W48XH96M M
TK4H-14RN	1,717,200			Relay Contact Output		
TK4H-14SN	1,717,200			SSRP Voltage Output		
TK4H-24CN	1,886,800	Alarm1+Alarm2		Current or SSR Drive		
TK4H-24RN	1,886,800			Relay Contact Output		
TK4H-24SN	1,886,800			SSRP Voltage Output		
TK4H-R4CN	1,886,800	Alarm1+PV transmission		Current or SSR Drive		
TK4H-R4RN	1,886,800			Relay Contact Output		
TK4H-R4SN	1,886,800			SSRP Voltage Output		
TK4H-14CC	1,971,600	Alarm1		Current or SSR Drive	Current or SSR Drive	
TK4H-14CR	1,971,600				Relay Contact Output	
TK4H-14RC	1,971,600			Relay Contact Output	Current or SSR Drive	
TK4H-14RR	1,971,600		Relay Contact Output			
TK4H-14SC	1,971,600		SSRP Voltage Output	Current or SSR Drive		
TK4H-14SR	1,971,600			Relay Contact Output		

TEMPERATURE CONTOLLER

■Standard PID temperature controller

Model	Price	Option Output	Power supply	Out1 Control Output	Out2 Control Output	Remark	
TK4H-A4CN	2,098,800	Alarm1+Alarm2+PV transmission	100-240VAC 50/60Hz	Current or SSR Drive	NONE	DIN W48XH96M M	
TK4H-A4RN	2,098,800			Relay Contact Output			
TK4H-A4SN	2,098,800			SSRP Voltage Output			
TK4H-T4CN	2,098,800	Alarm1+RS485		Current or SSR Drive			
TK4H-T4RN	2,098,800			Relay Contact Output			
TK4H-T4SN	2,098,800			SSRP Voltage Output			
TK4H-24CC	2,120,000	Alarm1+Alarm2		Current or SSR Drive	Current or SSR Drive		
TK4H-24CR	2,120,000				Relay Contact Output		
TK4H-24RC	2,120,000			Relay Contact Output	Current or SSR Drive		
TK4H-24RR	2,120,000	Alarm1+Alarm2			Relay Contact Output		
TK4H-24SC	2,120,000			SSRP Voltage Output	Current or SSR Drive		
TK4H-24SR	2,120,000				Relay Contact Output		
TK4H-R4CC	2,120,000	Alarm1+PV transmission		Current or SSR Drive	Current or SSR Drive		
TK4H-R4CR	2,120,000				Relay Contact Output		
TK4H-R4RC	2,120,000			Relay Contact Output	Current or SSR Drive		
TK4H-R4RR	2,120,000				Relay Contact Output		
TK4H-R4SC	2,120,000			SSRP Voltage Output	Current or SSR Drive		
TK4H-R4SR	2,120,000				Relay Contact Output		
TK4H-B4CN	2,226,000	Alarm1+Alarm2+RS 485		Current or SSR Drive	NONE		
TK4H-B4RN	2,226,000			Relay Contact Output			
TK4H-B4SN	2,226,000			SSRP Voltage Output			
TK4H-A4CC	2,332,000	Alarm1+Alarm2+PV transmission		Current or SSR Drive	Current or SSR Drive		
TK4H-A4CR	2,332,000				Relay Contact Output		
TK4H-A4RC	2,332,000			Relay Contact Output	Current or SSR Drive		
TK4H-A4RR	2,332,000				Relay Contact Output		
TK4H-A4SC	2,332,000			SSRP Voltage Output	Current or SSR Drive		
TK4H-A4SR	2,332,000				Relay Contact Output		
TK4H-T4CC	2,332,000	Alarm1+RS485		Current or SSR Drive	Current or SSR Drive		
TK4H-T4CR	2,332,000				Relay Contact Output		
TK4H-T4RC	2,332,000			Relay Contact Output	Current or SSR Drive		
TK4H-T4RR	2,332,000				Relay Contact Output		
TK4H-T4SC	2,332,000			SSRP Voltage Output	Current or SSR Drive		
TK4H-T4SR	2,332,000				Relay Contact Output		

TEMPERATURE CONTOLLER

■Standard PID temperature controller

Model	Price	Option Output	Power supply	Out1 Control Output	Out2 Control	Remark	
TK4H-B4CC	2,480,400	Alarm1+Alarm2+RS485	100-240VAC 50/60Hz	Current or SSR Drive	Current or SSR Drive	DIN W48XH96MM	
TK4H-B4CR	2,480,400				Relay Contact Output		
TK4H-B4RC	2,480,400			Relay Contact Output	Current or SSR Drive		
TK4H-B4RR	2,480,400				Relay Contact Output		
TK4H-B4SC	2,480,400			SSRP Voltage Output	Current or SSR Drive		
TK4H-B4SR	2,480,400				Relay Contact Output		
TK4L-14CN	1,717,200	Alarm1		Current or SSR Drive	NONE	DIN W96XH96MM	
TK4L-14RN	1,717,200			Relay Contact Output			
TK4L-14SN	1,717,200			SSRP Voltage Output			
TK4L-24CN	1,886,800	Alarm1+Alarm2		Current or SSR Drive			
TK4L-24RN	1,886,800			Relay Contact Output			
TK4L-24SN	1,886,800			SSRP Voltage Output			
TK4L-R4CN	1,886,800	Alarm1+PV transmission		Current or SSR Drive			
TK4L-R4RN	1,886,800			Relay Contact Output			
TK4L-R4SN	1,886,800			SSRP Voltage Output			
TK4L-14CC	1,971,600	Alarm1		Current or SSR Drive	Current or SSR Drive		
TK4L-14CR	1,971,600				Relay Contact Output		
TK4L-14RC	1,971,600			Relay Contact Output	Current or SSR Drive		
TK4L-14RR	1,971,600				Relay Contact Output		
TK4L-14SC	1,971,600			SSRP Voltage Output	Current or SSR Drive		
TK4L-14SR	1,971,600				Relay Contact Output		
TK4L-A4CN	2,098,800	Alarm1+Alarm2+PV transmission		Current or SSR Drive	NONE		
TK4L-A4RN	2,098,800			Relay Contact Output			
TK4L-A4SN	2,098,800			SSRP Voltage Output			
TK4L-T4CN	2,098,800	Alarm1+RS485		Current or SSR Drive			
TK4L-T4RN	2,098,800			Relay Contact Output			
TK4L-T4SN	2,098,800			SSRP Voltage Output			
TK4L-24CC	2,120,000	Alarm1+Alarm2		Current or SSR Drive			Current or SSR Drive
TK4L-24CR	2,120,000						Relay Contact Output
TK4L-24RC	2,120,000			Relay Contact Output			Current or SSR Drive
TK4L-24RR	2,120,000	Relay Contact Output					
TK4L-24SC	2,120,000	Alarm1+Alarm2		SSRP Voltage Output	Current or SSR Drive		
TK4L-24SR	2,120,000				Relay Contact Output		

TEMPERATURE CONTOLLER

■Standard PID temperature controller

Model	Price	Option Output	Power supply	Out1 Control Output	Out2 Control Output	Remark
TK4L-R4CC	2,120,000	Alarm1+PV transmission	100-240VAC 50/60Hz	Current or SSR Drive	Current or SSR Drive	DIN W96XH96M M
TK4L-R4CR	2,120,000				Relay Contact Output	
TK4L-R4RC	2,120,000			Relay Contact Output	Current or SSR Drive	
TK4L-R4RR	2,120,000				Relay Contact Output	
TK4L-R4SC	2,120,000			SSRP Voltage Output	Current or SSR Drive	
TK4L-R4SR	2,120,000				Relay Contact Output	
TK4L-B4CN	2,226,000	Alarm1+Alarm2+RS 485		Current or SSR Drive	NONE	
TK4L-B4RN	2,226,000			Relay Contact Output		
TK4L-B4SN	2,226,000			SSRP Voltage Output		
TK4L-A4CC	2,332,000	Alarm1+Alarm2+PV transmission		Current or SSR Drive	Current or SSR Drive	
TK4L-A4CR	2,332,000				Relay Contact Output	
TK4L-A4RC	2,332,000			Relay Contact Output	Current or SSR Drive	
TK4L-A4RR	2,332,000				Relay Contact Output	
TK4L-A4SC	2,332,000			SSRP Voltage Output	Current or SSR Drive	
TK4L-A4SR	2,332,000				Relay Contact Output	
TK4L-T4CC	2,332,000	Alarm1+RS485		Current or SSR Drive	Current or SSR Drive	
TK4L-T4CR	2,332,000				Relay Contact Output	
TK4L-T4RC	2,332,000			Relay Contact Output	Current or SSR Drive	
TK4L-T4RR	2,332,000				Relay Contact Output	
TK4L-T4SC	2,332,000			SSRP Voltage Output	Current or SSR Drive	
TK4L-T4SR	2,332,000				Relay Contact Output	
TK4L-B4CC	2,480,400	Alarm1+Alarm2+RS 485		Current or SSR Drive	Current or SSR Drive	
TK4L-B4CR	2,480,400				Relay Contact Output	
TK4L-B4RC	2,480,400			Relay Contact Output	Current or SSR Drive	
TK4L-B4RR	2,480,400				Relay Contact Output	
TK4L-B4SC	2,480,400			SSRP Voltage Output	Current or SSR Drive	
TK4L-B4SR	2,480,400				Relay Contact Output	

TEMPERATURE CONTOLLER

■Non-indicationg type temperature controllers

Model	Price	Control method	Control output	Temperature range	Sensor input type	Unit		
TAS-B4RK1C	572,400	ON/OFF & PID control	Relay output	0~100	K(CA)	°C		
TAS-B4RK2C				0~200				
TAS-B4RK4C				0~400				
TAS-B4RK6C				0~600				
TAS-B4RK8C				0~800				
TAS-B4RKCC				0~1,200				
TAS-B4RK1F				32~212		°F		
TAS-B4RK2F				32~392				
TAS-B4RK4F				32~752				
TAS-B4RK6F				32~1,112				
TAS-B4RK8F				32~1,472				
TAS-B4RKCF				32~2,192				
TAS-B4SK1C				0~100		°C		
TAS-B4SK2C				0~200				
TAS-B4SK4C				0~400				
TAS-B4SK6C			0~600					
TAS-B4SK8C			0~800					
TAS-B4SKCC			0~1,200					
TAS-B4SK1F			32~212	°F				
TAS-B4SK2F			32~392					
TAS-B4SK4F			32~752					
TAS-B4SK6F			32~1,112					
TAS-B4SK8F			32~1,472					
TAS-B4SKCF			32~2,192					
TAS-B4RJ2C			ON/OFF & PID control	Relay output		0~200	J(IC)	°C
TAS-B4RJ3C						0~300		
TAS-B4RJ4C						0~400		
TAS-B4RJ2F	32~392	°F						
TAS-B4RJ3F	32~572							
TAS-B4RJ4F	32~752							
TAS-B4SJ2C	SSR drive output	0~200		°C				
TAS-B4SJ3C		0~300						
TAS-B4SJ4C		0~400						

TEMPERATURE CONTROLLER

■Non-indicationg type temperature controllers

Model	Price	Control method	Control output	Temperature range	Sensor input type	Unit
TAS-B4SJ2F	572,400	ON/OFF & PID control	SSR drive output	32~392	J(IC)	°F
TAS-B4SJ3F				32~572		
TAS-B4SJ4F				32~752		
TAS-B4RP0C		ON/OFF & PID control	Relay output	-50~100	DPt100	°C
TAS-B4RP1C				0~100		
TAS-B4RP2C				0~200		
TAS-B4RP4C				0~400		
TAS-B4RP0F				-58~212		°F
TAS-B4RP1F				32~212		
TAS-B4RP2F				32~392		
TAS-B4RP4F				32~752		
TAS-B4SP0C			SSR drive output	-50~100		°C
TAS-B4SP1C				0~100		
TAS-B4SP2C				0~200		
TAS-B4SP4C				0~400		
TAS-B4SP0F				-58~212		°F
TAS-B4SP1F				32~212		
TAS-B4SP2F				32~392		
TAS-B4SP4F				32~752		
TAM-B4RK1C	678,000	ON/OFF & PID control	Relay output	0 to 100°C	KCA	°C
TAM-B4RK2C				0 to 200°C		
TAM-B4RK4C				0 to 400°C		
TAM-B4RK6C				0 to 600°C		
TAM-B4RK8C				0 to 800°C		
TAM-B4RKCC				0 to 1200°C		
TAM-B4RK1F				32 to 212°F		°F
TAM-B4RK2F				32 to 392°F		
TAM-B4RK4F				32 to 752°F		
TAM-B4RK6F				32 to 1,112°F		
TAM-B4RK8F				32 to 1,472°F		
TAM-B4RKCF				32 to 2,192°F		

TEMPERATURE CONTROLLER

■Non-indicationg type temperature controllers

Model	Price	Control method	Control output	Temperature range	Sensor input type	Unit
TAM-B4SK1C	678,000	ON/OFF & PID control	SSR drive voltage output	0 to 100℃	KCA	℃
TAM-B4SK2C				0 to 200℃		
TAM-B4SK4C				0 to 400℃		
TAM-B4SK6C				0 to 600℃		
TAM-B4SK8C				0 to 800℃		
TAM-B4SKCC				0 to 1200℃		
TAM-B4SK1F				32 to 212°F	KCA	°F
TAM-B4SK2F				32 to 392°F		
TAM-B4SK4F				32 to 752°F		
TAM-B4SK6F				32 to 1,112°F		
TAM-B4SK8F				32 to 1,472°F		
TAM-B4SKCF				32 to 2,192°F		
TAM-B4RJ2C	678,000	ON/OFF & PID control	Relay output	0 to 200℃	JIC	℃
TAM-B4RJ3C				0 to 300℃		
TAM-B4RJ4C				0 to 400℃		
TAM-B4RJ2F				32 to 392°F		°F
TAM-B4RJ3F				32 to 572°F		
TAM-B4RJ4F				32 to 752°F		
TAM-B4SJ2C	678,000	ON/OFF & PID control	SSR drive voltage output	0 to 200℃		℃
TAM-B4SJ3C				0 to 300℃		
TAM-B4SJ4C				0 to 400℃		
TAM-B4SJ2F				32 to 392°F		°F
TAM-B4SJ3F				32 to 572°F		
TAM-B4SJ4F				32 to 752°F		
TAM-B4RP0C	678,000	ON/OFF & PID control	Relay output	-50 to 100℃	DPT100Ω	℃
TAM-B4RP1C				0 to 100℃		
TAM-B4RP2C				0 to 200℃		
TAM-B4RP4C				0 to 400℃		
TAM-B4RP0F				-58 to 212°F		°F
TAM-B4RP1F				32 to 212°F		
TAM-B4RP2F				32 to 392°F		
TAM-B4RP4F				32 to 752°F		

TEMPERATURE CONTROLLER

■Non-indicationg type temperature controllers

Model	Price	Control method	Control output	Temperature range	Sensor input type	Unit
TAM-B4SP0C	678,000	ON/OFF & PID control	SSR drive voltage output	-50 to 100℃	DPT100Ω	℃
TAM-B4SP1C				0 to 100℃		
TAM-B4SP2C				0 to 200℃		
TAM-B4SP4C				0 to 400℃		
TAM-B4SP0F				-58 to 212°F		°F
TAM-B4SP1F				32 to 212°F		
TAM-B4SP2F				32 to 392°F		
TAM-B4SP4F				32 to 752°F		
TAL-B4RK1C	678,000	ON/OFF & PID control	Relay output	0 to 100℃	KCA	℃
TAL-B4RK2C				0 to 200℃		
TAL-B4RK4C				0 to 400℃		
TAL-B4RK6C				0 to 600℃		
TAL-B4RK8C				0 to 800℃		°F
TAL-B4RKCC				0 to 1200℃		
TAL-B4RK1F				32 to 212°F		
TAL-B4RK2F				32 to 392°F		
TAL-B4RK4F	678,000	ON/OFF & PID control	SSR drive voltage output	32 to 752°F	KCA	℃
TAL-B4RK6F				32 to 1,112°F		
TAL-B4RK8F				32 to 1,472°F		
TAL-B4RKCF				32 to 2,192°F		
TAL-B4SK1C				0 to 100℃		°F
TAL-B4SK2C				0 to 200℃		
TAL-B4SK4C				0 to 400℃		
TAL-B4SK6C				0 to 600℃		
TAL-B4SK8C	678,000	ON/OFF & PID control	SSR drive voltage output	0 to 800℃	KCA	℃
TAL-B4SKCC				0 to 1200℃		
TAL-B4SK1F				32 to 212°F		°F
TAL-B4SK2F				32 to 392°F		
TAL-B4SK4F				32 to 752°F		
TAL-B4SK6F				32 to 1,112°F		
TAL-B4SK8F				32 to 1,472°F		
TAL-B4SKCF				32 to 2,192°F		

TEMPERATURE CONTROLLER

■Non-indicationg type temperature controllers

Model	Price	Control method	Control output	Temperature range	Sensor input type	Unit
TAL-B4RJ2C		ON/OFF & PID control	Relay output	0 to 200℃	JIC	℃
TAL-B4RJ3C				0 to 300℃		
TAL-B4RJ4C				0 to 400℃		
TAL-B4RJ2F				32 to 392°F		°F
TAL-B4RJ3F				32 to 572°F		
TAL-B4RJ4F				32 to 752°F		
TAL-B4SJ2C		ON/OFF & PID control	SSR drive voltage output	0 to 200℃		℃
TAL-B4SJ3C				0 to 300℃		
TAL-B4SJ4C				0 to 400℃		
TAL-B4SJ2F				32 to 392°F		°F
TAL-B4SJ3F				32 to 572°F		
TAL-B4SJ4F				32 to 752°F		
TAL-B4RP0C		ON/OFF & PID control	Relay output	-50 to 100℃	DPT100Ω	℃
TAL-B4RP1C				0 to 100℃		
TAL-B4RP2C				0 to 200℃		
TAL-B4RP4C				0 to 400℃		
TAL-B4RP0F				-58 to 212°F		
TAL-B4RP1F				32 to 212°F		°F
TAL-B4RP2F				32 to 392°F		
TAL-B4RP4F				32 to 752°F		
TAL-B4SP0C		ON/OFF & PID control	SSR drive voltage output	-50 to 100℃		℃
TAL-B4SP1C				0 to 100℃		
TAL-B4SP2C				0 to 200℃		
TAL-B4SP4C				0 to 400℃		
TAL-B4SP0F				-58 to 212°F		°F
TAL-B4SP1F				32 to 212°F		
TAL-B4SP2F				32 to 392°F		
TAL-B4SP4F				32 to 752°F		

TEMPERATURE CONTROLLER

Multi-channel module type PID temperature controllers

Model	Price	Channel	Aux I/O	Power Supply	Control output	Module type
TM2-22RB	3,943,200	2 channel	Alarm1+Alarm2 Relay Contact output	24VDC	Relay	Basic Module
TM2-22CB	3,943,200				Current or SSR	
TM2-42RB	4,218,800		Alarm1+Alarm2+Alram 3+Alarm4 Relay Contact output		Relay	
TM2-42CB	4,218,800				Current or SSR	
TM2-22RE	3,794,800		Alarm1+Alarm2 Relay Contact output		Relay	Expansion Module
TM2-22CE	3,794,800				Current or SSR	
TM2-42RE	4,070,400		Alarm1+Alarm2+Alram 3+Alarm4 Relay Contact output		Relay	
TM2-42CE	4,070,400				Current or SSR	
TM4-N2RB	4,876,000	4 channel	None	24VDC	Relay	Basic Module
TM4-N2SB	4,876,000				SSR	
TM4-N2RE	4,600,400				Relay	Expansion Module
TM4-N2SE	4,600,400				SSR	

SWITCHING POWER SUPPLY

■ Switching power supply

Model	Price	Power supply	Ouput voltage	Capacity	Remark
SP-0305	551,200	100-240VAC 50/60Hz	5VDC	3W	Small-capacity S.M.P.S (Switch mode power supply)
SP-0312	551,200		12VDC		
SP-0324	551,200		24VDC		
SPA-030-05	1,081,200	100-240VAC 50/60Hz	5VDC	30W	Large-capacity, High-Quality S.M.P.S (Switch mode power supply)
SPA-030-12	1,081,200		12VDC		
SPA-030-24	1,081,200		24VDC		
SPA-050-05	1,293,200		5VDC	50W	
SPA-050-12	1,293,200		12VDC		
SPA-050-24	1,293,200		24VDC		
SPA-075-05	1,886,800		5VDC	75W	
SPA-075-12	1,886,800		12VDC		
SPA-075-24	1,886,800		24VDC		
SPA-100-05	2,035,200		5VDC	100W	
SPA-100-12	2,035,200		12VDC		
SPA-100-24	2,035,200		24VDC		

■ DIN rail mounting switching mode power supply

Model	Price	Power supply	Ouput voltage	Capacity	Remark
SPB-060-12	1,038,800	100-240VAC 50/60Hz	12VDC	60W	Large-capacity, High-Quality S.M.P.S (Switch mode power supply)
SPB-060-24	1,038,800		24VDC	60W	
SPB-120-24	1,674,800		24VDC	120W	
SPB-240-12	2,840,800		12VDC	240W	
SPB-240-24	2,840,800		24VDC	240W	
SPB-240-48	2,840,800		48VDC	240W	

PROXIMITY SENSOR

■Cylindrical long distance Inductive proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PRD12-4DN	424,000	2mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRD12-4DP	424,000			PNP, Normal Open, Shield
PRD12-4DN2	466,400			NPN, Normal Close, Shield
PRD12-4DP2	466,400			PNP, Normal Close, Shield
PRD12-8DN	424,000	8mm		NPN, Normal Open, Non Shield
PRD12-8DP	424,000			PNP, Normal Open, Non Shield
PRD12-8DN2	466,400			NPN, Normal Close, Non Shield
PRD12-8DP2	466,400			PNP, Normal Close, Non Shield
PRD18-7DN	424,000	7mm		NPN, Normal Open, Shield
PRD18-7DP	424,000			PNP, Normal Open, Shield
PRD18-7DN2	466,400			NPN, Normal Close, Shield
PRD18-7DP2	466,400			PNP, Normal Close, Shield
PRD18-14DN	424,000	14mm		NPN, Normal Open, Non Shield
PRD18-14DP	424,000			PNP, Normal Open, Non Shield
PRD18-14DN2	466,400			NPN, Normal Close, Non Shield
PRD18-14DP2	466,400			PNP, Normal Close, Non Shield
PRD30-15DN	530,000	15mm		NPN, Normal Open, Shield
PRD30-15DP	530,000			PNP, Normal Open, Shield
PRD30-15DN2	551,200			NPN, Normal Close, Shield
PRD30-15DP2	551,200			PNP, Normal Close, Shield
PRD30-25DN	530,000	25mm		NPN, Normal Open, Non Shield
PRD30-25DP	530,000			PNP, Normal Open, Non Shield
PRD30-25DN2	551,200			NPN, Normal Close, Non Shield
PRD30-25DP2	551,200			PNP, Normal Close, Non Shield

PROXIMITY SENSOR

■Cylindrical long distance Inductive proximity sensor (DC 3-wire) - Long type

Model	Price	Detecting distance	Power supply	Remark
PRDL12-4DN	508,800	4mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRDL12-4DP	508,800			PNP, Normal Open, Shield
PRDL12-4DN2	530,000			NPN, Normal Close, Shield
PRDL12-4DP2	530,000			PNP, Normal Close, Shield
PRDL12-8DN	508,800	8mm		NPN, Normal Open, Non Shield
PRDL12-8DP	508,800			PNP, Normal Open, Non Shield
PRDL12-8DN2	530,000			NPN, Normal Close, Non Shield
PRDL12-8DP2	530,000			PNP, Normal Close, Non Shield
PRDL18-7DN	445,200	7mm		NPN, Normal Open, Shield
PRDL18-7DP	445,200			PNP, Normal Open, Shield
PRDL18-7DN2	466,400			NPN, Normal Close, Shield
PRDL18-7DP2	466,400			PNP, Normal Close, Shield
PRDL18-14DN	445,200	14mm		NPN, Normal Open, Non Shield
PRDL18-14DP	445,200			PNP, Normal Open, Non Shield
PRDL18-14DN2	466,400			NPN, Normal Close, Non Shield
PRDL18-14DP2	466,400			PNP, Normal Close, Non Shield
PRDL30-15DN	572,400	15mm		NPN, Normal Open, Shield
PRDL30-15DP	572,400			PNP, Normal Open, Shield
PRDL30-15DN2	593,600			NPN, Normal Close, Shield
PRDL30-15DP2	593,600			PNP, Normal Close, Shield
PRDL30-25DN	572,400	25mm		NPN, Normal Open, Non Shield
PRDL30-25DP	572,400			PNP, Normal Open, Non Shield
PRDL30-25DN2	593,600			NPN, Normal Close, Non Shield
PRDL30-25DP2	593,600			PNP, Normal Close, Non Shield

PROXIMITY SENSOR

■Cylindrical long distance Inductive proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRDT12-4DO	487,600	4mm	12-24VDC (10-30VDC)	Normal Open, Shield
PRDT12-4DC	487,600			Normal Close, Shield
PRDT12-8DO	487,600	8mm		Normal Open, Non Shield
PRDT12-8DC	487,600			Normal Close, Non Shield
PRDT12-4DO-V	551,200	4mm		Normal Open, Shield
PRDT12-4DC-V	551,200			Normal Close, Shield
PRDT12-8DO-V	551,200	8mm		Normal Open, Non Shield
PRDT12-8DC-V	551,200			Normal Close, Non Shield
PRDT18-7DO	445,200	7mm		Normal Open, Shield
PRDT18-7DC	445,200			Normal Close, Shield
PRDT18-14DO	445,200	14mm		Normal Open, Non Shield
PRDT18-14DC	445,200			Normal Close, Non Shield
PRDT18-7DO-V	508,800	7mm		Normal Open, Shield
PRDT18-7DC-V	508,800			Normal Close, Shield
PRDT18-14DO-V	508,800	14mm		Normal Open, Non Shield
PRDT18-14DC-V	508,800			Normal Close, Non Shield
PRDT30-15DO	530,000	15mm		Normal Open, Shield
PRDT30-15DC	530,000			Normal Close, Shield
PRDT30-25DO	530,000	25mm		Normal Open, Non Shield
PRDT30-25DC	530,000			Normal Close, Non Shield
PRDT30-15DO-V	572,400	15mm		Normal Open, Shield
PRDT30-15DC-V	572,400			Normal Close, Shield
PRDT30-25DO-V	572,400	25mm		Normal Open, Non Shield
PRDT30-25DC-V	572,400			Normal Close, Non Shield
PRDT12-4XO	530,000	4mm		Normal Open
PRDT12-4XC	530,000			Normal Closed
PRDT12-8XO	530,000	8mm		Normal Open
PRDT12-8XC	530,000			Normal Closed
PRDT12-4XO-V	572,400	4mm		Normal Open
PRDT12-4XC-V	572,400			Normal Closed

PROXIMITY SENSOR

■Cylindrical long distance Inductive proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRDT12-8XO-V	572,400	8mm	12-24VDC (10-30VDC)	Normal Open
PRDT12-8XC-V	572,400			Normal Closed
PRDT18-7XO	487,600	7mm		Normal Open
PRDT18-7XC	487,600			Normal Closed
PRDT18-14XO	487,600	14mm		Normal Open
PRDT18-14XC	487,600			Normal Closed
PRDT18-7XO-V	530,000	7mm		Normal Open
PRDT18-7XC-V	530,000			Normal Closed
PRDT18-14XO-V	530,000	14mm		Normal Open
PRDT18-14XC-V	530,000			Normal Closed
PRDT30-15XO	572,400	15mm		Normal Open
PRDT30-15XC	572,400			Normal Closed
PRDT30-25XO	572,400	25mm		Normal Open
PRDT30-25XC	572,400			Normal Closed
PRDT30-15XO-V	614,800	15mm		Normal Open
PRDT30-15XC-V	614,800			Normal Closed
PRDT30-25XO-V	614,800	25mm		Normal Open
PRDT30-25XC-V	614,800			Normal Closed

■Cylindrical long distance Inductive proximity sensor (DC 2-wire) -Long type

Model	Price	Detecting distance	Power supply	Remark
PRDLT12-4DO	530,000	4mm	24VDC (15-30VDC)	Normal Open, Shield
PRDLT12-4DC	530,000			Normal Close, Shield
PRDLT12-8DO	530,000	8mm		Normal Open, Non Shield
PRDLT12-8DC	530,000			Normal Close, Non Shield
PRDLT12-4DO-V	572,400	4mm		Normal Open, Shield
PRDLT12-4DC-V	572,400			Normal Close, Shield
PRDLT12-8DO-V	572,400	8mm		Normal Open, Non Shield
PRDLT12-8DC-V	572,400			Normal Close, Non Shield
PRDLT18-7DO	487,600	7mm		Normal Open, Shield
PRDLT18-7DC	487,600			Normal Close, Shield

PROXIMITY SENSOR

■Cylindrical long distance Inductive proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRDLT18-14DO	487,600	14mm	24VDC (15-30VDC)	Normal Open, Non Shield
PRDLT18-14DC	487,600			Normal Close, Non Shield
PRDLT18-7DO-V	530,000	7mm		Normal Open, Shield
PRDLT18-7DC-V	530,000			Normal Close, Shield
PRDLT18-14DO-V	530,000	14mm		Normal Open, Non Shield
PRDLT18-14DC-V	530,000			Normal Close, Non Shield
PRDLT30-15DO	572,400	15mm		Normal Open, Shield
PRDLT30-15DC	572,400			Normal Close, Shield
PRDLT30-25DO	572,400	25mm		Normal Open, Non Shield
PRDLT30-25DC	572,400			Normal Close, Non Shield
PRDLT30-15DO-V	657,200	15mm		Normal Open, Shield
PRDLT30-15DC-V	657,200			Normal Close, Shield
PRDLT30-25DO-V	657,200	25mm		Normal Open, Non Shield
PRDLT30-25DC-V	657,200			Normal Close, Non Shield

■Cylindrical with connector type long distance Inductive proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PRDCM12-4DN	614,800	4mm	10-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRDCM12-4DP	614,800			PNP, Normal Open, Shield
PRDCM12-4DN2	636,000			NPN, Normal Close, Shield
PRDCM12-4DP2	636,000			PNP, Normal Close, Shield
PRDCM12-8DN	614,800	8mm		NPN, Normal Open, Non Shield
PRDCM12-8DP	614,800			PNP, Normal Open, Non Shield
PRDCM12-8DN2	636,000			NPN, Normal Close, Non Shield
PRDCM12-8DP2	636,000			PNP, Normal Close, Non Shield
PRDCM18-7DN	572,400	7mm		NPN, Normal Open, Shield
PRDCM18-7DP	572,400			PNP, Normal Open, Shield
PRDCM18-7DN2	593,600			NPN, Normal Close, Shield
PRDCM18-7DP2	593,600			PNP, Normal Close, Shield

PROXIMITY SENSOR

■Cylindrical long distance Inductive proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRDCM18-14DN	572,400	14mm	10-24VDC (10-30VDC)	NPN, Normal Open, Non Shield
PRDCM18-14DP	572,400			PNP, Normal Open, Non Shield
PRDCM18-14DN2	593,600			NPN, Normal Close, Non Shield
PRDCM18-14DP2	593,600			PNP, Normal Close, Non Shield
PRDCM30-15DN	657,200	15mm		NPN, Normal Open, Shield
PRDCM30-15DP	657,200			PNP, Normal Open, Shield
PRDCM30-15DN2	657,200			NPN, Normal Close, Shield
PRDCM30-15DP2	657,200			PNP, Normal Close, Shield
PRDCM30-25DN	657,200	25mm		NPN, Normal Open, Non Shield
PRDCM30-25DP	657,200			PNP, Normal Open, Non Shield
PRDCM30-25DN2	657,200			NPN, Normal Close, Non Shield
PRDCM30-25DP2	657,200			PNP, Normal Close, Non Shield

■Cylindrical with connector type long distance Inductive proximity sensor (DC 3-wire)-Long type

Model	Price	Detecting distance	Power supply	Remark
PRDCML12-4DN	614,800	4mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRDCML12-4DP	614,800			PNP, Normal Open, Shield
PRDCML12-4DN2	636,000			NPN, Normal Close, Shield
PRDCML12-4DP2	636,000			PNP, Normal Close, Shield
PRDCML12-8DN	614,800	8mm		NPN, Normal Open, Non Shield
PRDCML12-8DP	614,800			PNP, Normal Open, Non Shield
PRDCML12-8DN2	636,000			NPN, Normal Close, Non Shield
PRDCML12-8DP2	636,000			PNP, Normal Close, Non Shield
PRDCML18-7DN	572,400	7mm		NPN, Normal Open, Shield
PRDCML18-7DP	572,400			PNP, Normal Open, Shield
PRDCML18-7DN2	593,600			NPN, Normal Close, Shield
PRDCML18-7DP2	593,600			PNP, Normal Close, Shield
PRDCML18-14DN	572,400	14mm		NPN, Normal Open, Non Shield
PRDCML18-14DP	572,400			PNP, Normal Open, Non Shield
PRDCML18-14DN2	593,600			NPN, Normal Close, Non Shield
PRDCML18-14DP2	593,600			PNP, Normal Close, Non Shield

PROXIMITY SENSOR

■Cylindrical with connector type long distance Inductive proximity sensor (DC 3-wire)-Long type

Model	Price	Detecting distance	Power supply	Remark
PRDCML30-15DN	720,800	15mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRDCML30-15DP	720,800			PNP, Normal Open, Shield
PRDCML30-15DN2	742,000			NPN, Normal Close, Shield
PRDCML30-15DP2	742,000			PNP, Normal Close, Shield
PRDCML30-25DN	720,800	25mm		NPN, Normal Open, Non Shield
PRDCML30-25DP	720,800			PNP, Normal Open, Non Shield
PRDCML30-25DN2	742,000			NPN, Normal Close, Non Shield
PRDCML30-25DP2	742,000			PNP, Normal Close, Non Shield
PRDCMLT18-7DO	572,400	7mm		Normal Open, Shield
PRDCMLT18-7DC	572,400			Normal Close, Shield
PRDCMLT18-7DO-I	572,400			Normal Open, Shield
PRDCMLT18-7DC-I	572,400			Normal Close, Shield
PRDCMLT18-14DO	572,400	14mm		Normal Open, Shield
PRDCMLT18-14DC	572,400			Normal Close, Shield
PRDCMLT18-14DO-I	572,400			Normal Open, Shield
PRDCMLT18-14DC-I	572,400			Normal Close, Shield
PRDCMLT30-15DO	720,800	15mm		Normal Open, Shield
PRDCMLT30-15DC	720,800			Normal Close, Shield
PRDCMLT30-25DO	720,800	25mm		Normal Open, Shield
PRDCMLT30-25DC	720,800			Normal Close, Shield
PRDCMLT30-15DO-I	763,200	15mm		Normal Open, Shield
PRDCMLT30-15DC-I	763,200			Normal Close, Shield
PRDCMLT30-25DO-I	763,200	25mm		Normal Open, Shield
PRDCMLT30-25DC-I	763,200			Normal Close, Shield

PROXIMITY SENSOR

■Cylindrical with connector type long distance Inductive proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRDCMT12-4DO	657,200	4mm	24VDC (15-30VDC)	Normal Open, Shield
PRDCMT12-4DC	657,200			Normal Close, Shield
PRDCMT12-8DO	657,200	8mm		Normal Open, Non Shield
PRDCMT12-8DC	657,200			Normal Close, Non Shield
PRDCMT12-4DO-I	657,200	4mm		Normal Open, Shield
PRDCMT12-4DC-I	657,200			Normal Close, Shield
PRDCMT12-8DO-I	657,200	8mm		Normal Open, Non Shield
PRDCMT12-8DC-I	657,200			Normal Close, Non Shield
PRDCMT18-7DO	572,400	7mm		Normal Open, Shield
PRDCMT18-7DC	572,400			Normal Close, Shield
PRDCMT18-14DO	572,400	14mm		Normal Open, Non Shield
PRDCMT18-14DC	572,400			Normal Close, Non Shield
PRDCMT18-7DO-I	572,400	7mm		Normal Open, Shield
PRDCMT18-7DC-I	572,400			Normal Close, Shield
PRDCMT18-14DO-I	572,400	14mm		Normal Open, Non Shield
PRDCMT18-14DC-I	572,400			Normal Close, Non Shield
PRDCMT30-15DO	657,200	15mm		Normal Open, Shield
PRDCMT30-15DC	657,200			Normal Close, Shield
PRDCMT30-25DO	657,200	25mm		Normal Open, Non Shield
PRDCMT30-25DC	657,200			Normal Close, Non Shield
PRDCMT30-15DO-I	657,200	15mm		Normal Open, Shield
PRDCMT30-15DC-I	657,200			Normal Close, Shield
PRDCMT30-25DO-I	657,200	25mm		Normal Open, Non Shield
PRDCMT30-25DC-I	657,200			Normal Close, Non Shield

PROXIMITY SENSOR

■Cylindrical-Cable/Connector type long distance Inductive proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PRDW12-4DN	551,200	4mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRDW12-4DP	551,200			PNP, Normal Open, Shield
PRDW12-4DN2	572,400			NPN, Normal Close, Shield
PRDW12-4DP2	572,400			PNP, Normal Close, Shield
PRDW12-4DN-V	572,400			NPN, Normal Open, Shield
PRDW12-4DP-V	572,400			PNP, Normal Open, Shield
PRDW12-8DN	551,200	8mm		NPN, Normal Open, Non Shield
PRDW12-8DP	551,200			PNP, Normal Open, Non Shield
PRDW12-8DN2	572,400			NPN, Normal Close, Non Shield
PRDW12-8DP2	572,400			PNP, Normal Close, Non Shield
PRDW12-8DN-V	614,800			NPN, Normal Open, Non Shield
PRDW12-8DP-V	614,800			PNP, Normal Open, Non Shield
PRDW18-7DN	530,000	7mm		NPN, Normal Open, Shield
PRDW18-7DP	530,000			PNP, Normal Open, Shield
PRDW18-7DN2	551,200			NPN, Normal Close, Shield
PRDW18-7DP2	551,200			PNP, Normal Close, Shield
PRDW18-7DN-V	551,200			NPN, Normal Open, Shield
PRDW18-7DP-V	551,200			PNP, Normal Open, Shield
PRDW18-14DN	530,000	14mm		NPN, Normal Open, Non Shield
PRDW18-14DP	530,000			PNP, Normal Open, Non Shield
PRDW18-14DN2	551,200			NPN, Normal Close, Non Shield
PRDW18-14DP2	551,200			PNP, Normal Close, Non Shield
PRDW18-14DN-V	614,800			NPN, Normal Open, Non Shield
PRDW18-14DP-V	614,800			PNP, Normal Open, Non Shield
PRDW30-15DN	614,800	15mm		NPN, Normal Open, Shield
PRDW30-15DP	614,800			PNP, Normal Open, Shield
PRDW30-15DN-V	657,200			NPN, Normal Open, Shield
PRDW30-15DP-V	657,200			PNP, Normal Open, Shield
PRDW30-15DN2	636,000			NPN, Normal Close, Shield
PRDW30-15DP2	636,000			PNP, Normal Close, Shield

PROXIMITY SENSOR

■Cylindrical-Cable/Connector type long distance Inductive proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PRDW30-25DN	614,800	25mm	12-24VDC (10-30VDC)	NPN, Normal Open, Non Shield
PRDW30-25DP	614,800			PNP, Normal Open, Non Shield
PRDW30-25DN-V	657,200			NPN, Normal Open, Non Shield
PRDW30-25DP-V	657,200			PNP, Normal Open, Non Shield
PRDW30-25DN2	636,000			NPN, Normal Close, Non Shield
PRDW30-25DP2	636,000			PNP, Normal Close, Non Shield

■Cylindrical-Cable/Connector type long distance Inductive proximity sensor (DC 3-wire)-Long type

Model	Price	Detecting distance	Power supply	Remark
PRDWL12-4DN	572,400	4mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRDWL12-4DP	572,400			PNP, Normal Open, Shield
PRDWL12-4DN2	593,600			NPN, Normal Close, Shield
PRDWL12-4DP2	593,600			PNP, Normal Close, Shield
PRDWL12-8DN	572,400	8mm		NPN, Normal Open, Non Shield
PRDWL12-8DP	572,400			PNP, Normal Open, Non Shield
PRDWL12-8DN2	593,600			NPN, Normal Close, Non Shield
PRDWL12-8DP2	593,600			PNP, Normal Close, Non Shield
PRDWL18-7DN	530,000	7mm		NPN, Normal Open, Shield
PRDWL18-7DP	530,000			PNP, Normal Open, Shield
PRDWL18-7DN2	551,200			NPN, Normal Close, Shield
PRDWL18-7DP2	551,200			PNP, Normal Close, Shield
PRDWL18-14DN	530,000	14mm		NPN, Normal Open, Non Shield
PRDWL18-14DP	530,000			PNP, Normal Open, Non Shield
PRDWL18-14DN2	551,200			NPN, Normal Close, Non Shield
PRDWL18-14DP2	551,200			PNP, Normal Close, Non Shield
PRDWL30-15DN	636,000	15mm		NPN, Normal Open, Shield
PRDWL30-15DP	636,000			PNP, Normal Open, Shield
PRDWL30-15DN2	657,200			NPN, Normal Close, Shield
PRDWL30-15DP2	657,200			PNP, Normal Close, Shield
PRDWL30-25DN	636,000	25mm		NPN, Normal Open, Non Shield
PRDWL30-25DP	636,000			PNP, Normal Open, Non Shield
PRDWL30-25DN2	657,200			NPN, Normal Close, Non Shield
PRDWL30-25DP2	657,200			PNP, Normal Close, Non Shield

PROXIMITY SENSOR

■ Cylindrical-Cable/Connector type long distance Inductive proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRDWT12-4DO	551,200	4mm	24VDC (15-30VDC)	Normal Open, Shield
PRDWT12-4DC	551,200			Normal Close, Shield
PRDWT12-8DO	551,200	8mm		Normal Open, Non Shield
PRDWT12-8DC	551,200			Normal Close, Non Shield
PRDWT12-4DO-I	551,200	4mm		Normal Open, Shield
PRDWT12-4DC-I	551,200			Normal Close, Shield
PRDWT12-8DO-I	551,200	8mm		Normal Open, Non Shield
PRDWT12-8DC-I	551,200			Normal Close, Non Shield
PRDWT12-4DO-IV	614,800	4mm		Normal Open, Shield
PRDWT12-4DC-IV	614,800			Normal Close, Shield
PRDWT12-8DO-IV	614,800	8mm		Normal Open, Non Shield
PRDWT12-8DC-IV	614,800			Normal Close, Non Shield
PRDWT18-7DO	530,000	7mm		Normal Open, Shield
PRDWT18-7DC	530,000			Normal Close, Shield
PRDWT18-14DO	530,000	14mm		Normal Open, Non Shield
PRDWT18-14DC	530,000			Normal Close, Non Shield
PRDWT18-7DO-I	530,000	7mm		Normal Open, Shield
PRDWT18-7DC-I	530,000			Normal Close, Shield
PRDWT18-14DO-I	530,000	14mm		Normal Open, Non Shield
PRDWT18-14DC-I	530,000			Normal Close, Non Shield
PRDWT18-7DO-IV	572,400	7mm		Normal Open, Shield
PRDWT18-7DC-IV	572,400			Normal Close, Shield
PRDWT18-14DO-IV	572,400	14mm		Normal Open, Non Shield
PRDWT18-14DC-IV	572,400			Normal Close, Non Shield
PRDWT30-15DO	614,800	15mm		Normal Open, Shield
PRDWT30-15DC	614,800			Normal Close, Shield
PRDWT30-25DO	614,800	25mm		Normal Open, Non Shield
PRDWT30-25DC	614,800			Normal Close, Non Shield
PRDWT30-15DO-I	614,800	15mm		Normal Open, Shield
PRDWT30-15DC-I	614,800			Normal Close, Shield
PRDWT30-25DO-I	614,800	25mm		Normal Open, Non Shield
PRDWT30-25DC-I	614,800			Normal Close, Non Shield
PRDWT30-15DO-IV	657,200	15mm		Normal Open, Shield
PRDWT30-15DC-IV	657,200			Normal Close, Shield
PRDWT30-25DO-IV	657,200	25mm		Normal Open, Non Shield
PRDWT30-25DC-IV	657,200			Normal Close, Non Shield

and add " I " to the end of model. (The price is identical.)

PROXIMITY SENSOR

■Cylindrical spatter-resistance type long distance Inductive proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark	
PRDAT18-7DO	826,800	7mm	12-24VDC (10-30VDC)	Normal Open, Shield	
PRDAT18-7DC	826,800			Normal Close, Shield	
PRDAT18-7DO-V	890,400	7mm		Normal Open, Shield	
PRDAT18-7DC-V	890,400			Normal Close, Shield	
PRDAT30-15DO	1,102,400	15mm		Normal Open, Shield	
PRDAT30-15DC	1,102,400			Normal Close, Shield	
PRDAT30-15DO-V	1,144,800	15mm		Normal Open, Shield	
PRDAT30-15DC-V	1,144,800			Normal Close, Shield	
PRDAWT18-7DO	911,600	7mm		Normal Open, Shield	
PRDAWT18-7DC	911,600			Normal Close, Shield	
PRDAWT18-7DO-I	911,600			Normal Open, Shield	
PRDAWT18-7DC-I	911,600			Normal Close, Shield	
PRDAWT18-7DO-IV	954,000			Normal Open, Shield	
PRDAWT18-7DC-IV	954,000			Normal Close, Shield	
PRDAWT30-15DO	1,187,200			15mm	Normal Open, Shield
PRDAWT30-15DC	1,187,200				Normal Close, Shield
PRDAWT30-15DO-I	1,187,200	Normal Open, Shield			
PRDAWT30-15DC-I	1,187,200	Normal Close, Shield			
PRDAWT30-15DO-IV	1,208,400	Normal Open, Shield			
PRDAWT30-15DC-IV	1,208,400	Normal Close, Shield			

■ Cylindrical type proximity sensor

Model	Price	Detecting distance	Power supply	Remark
PR08-1.5DN	402,800	1.5mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PR08-1.5DP	402,800			PNP, Normal Open, Shield
PR08-1.5DN2	402,800			NPN, Normal Close, Shield
PR08-1.5DP2	402,800			PNP, Normal Close, Shield
PR08-2DN	402,800	2mm		NPN, Normal Open, Non Shield
PR08-2DP	402,800			PNP, Normal Open, Non Shield
PR08-2DN2	402,800			NPN, Normal Close, Non Shield
PR08-2DP2	402,800			PNP, Normal Close, Non Shield

PROXIMITY SENSOR

■ Cylindrical type proximity sensor

Model	price	Detecting distance	Power supply	Remark
PR12-2DN	360,400	2mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PR12-2DP	360,400			PNP, Normal Open, Shield
PR12-2DN2	360,400			NPN, Normal Close, Shield
PR12-2DP2	360,400			PNP, Normal Close, Shield
PR12-4DN	360,400	4mm		NPN, Normal Open, Non Shield
PR12-4DP	360,400			PNP, Normal Open, Non Shield
PR12-4DN2	360,400			NPN, Normal Close, Non Shield
PR12-4DP2	360,400			PNP, Normal Close, Non Shield
PR18-5DN	360,400	5mm		NPN, Normal Open, Shield
PR18-5DP	360,400			PNP, Normal Open, Shield
PR18-5DN2	360,400			NPN, Normal Close, Shield
PR18-5DP2	360,400			PNP, Normal Close, Shield
PR18-8DN	360,400	8mm		NPN, Normal Open, Non Shield
PR18-8DP	360,400			PNP, Normal Open, Non Shield
PR18-8DN2	360,400			NPN, Normal Close, Non Shield
PR18-8DP2	360,400			PNP, Normal Close, Non Shield
PR30-10DN	402,800	10mm		NPN, Normal Open, Shield
PR30-10DP	402,800			PNP, Normal Open, Shield
PR30-10DN2	402,800			NPN, Normal Close, Shield
PR30-10DP2	402,800			PNP, Normal Close, Shield
PR30-15DN	402,800	15mm		NPN, Normal Open, Non Shield
PR30-15DP	402,800			PNP, Normal Open, Non Shield
PR30-15DN2	402,800			NPN, Normal Close, Non Shield
PR30-15DP2	402,800			PNP, Normal Close, Non Shield

PROXIMITY SENSOR

■Cylindrical proximity sensor (DC 3-wire)- Short type

Model	Price	Detecting distance	Power supply	Remark
PRS12-2DN	381,600	2mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRS12-2DP	381,600			PNP, Normal Open, Shield
PRS12-2DN2	381,600			NPN, Normal Close, Shield
PRS12-2DP2	381,600			PNP, Normal Open, Shield
PRS12-4DN	381,600	4mm		NPN, Normal Open, Non Shield
PRS12-4DP	381,600			PNP, Normal Open, Non Shield
PRS12-4DN2	381,600			NPN, Normal Close, Non Shield
PRS12-4DP2	381,600			PNP, Normal Open, Shield

■Cylindrical proximity sensor (DC 3-wire)- Long type

Model	Price	Detecting distance	Power supply	Remark
PRL08-1.5DN	402,800	1.5mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRL08-1.5DP	402,800			PNP, Normal Open, Shield
PRL08-1.5DN2	402,800			NPN, Normal Close, Shield
PRL08-1.5DP2	402,800			PNP, Normal Close, Shield
PRL08-2DN	402,800	2mm		NPN, Normal Open, Non Shield
PRL08-2DP	402,800			PNP, Normal Open, Non Shield
PRL08-2DN2	402,800			NPN, Normal Close, Non Shield
PRL08-2DP2	402,800			PNP, Normal Close, Non Shield
PRL12-4DN	381,600	4mm		NPN, Normal Open, Non Shield
PRL12-4DP	381,600			PNP, Normal Open, Non Shield
PRL18-5DN	381,600	5mm		NPN, Normal Open, Shield
PRL18-5DP	381,600			PNP, Normal Open, Shield
PRL18-5DN2	381,600			NPN, Normal Close, Shield
PRL18-5DP2	381,600			PNP, Normal Close, Shield
PRL18-8DN	381,600	8mm		NPN, Normal Open, Non Shield
PRL18-8DP	381,600			PNP, Normal Open, Non Shield
PRL18-8DN2	381,600			NPN, Normal Close, Non Shield
PRL18-8DP2	381,600			PNP, Normal Close, Non Shield
PRL30-10DN	445,200	10mm		NPN, Normal Open, Shield
PRL30-10DP	445,200			PNP, Normal Open, Shield
PRL30-10DN2	445,200			NPN, Normal Close, Shield
PRL30-10DP2	445,200			PNP, Normal Close, Shield

PROXIMITY SENSOR

■Cylindrical proximity sensor (DC 3-wire)- Long type

Model	Price	Detecting distance	Power supply	Remark
PRL30-15DN	445,200	15mm	12-24VDC (10-30VDC)	NPN, Normal Open, Non Shield
PRL30-15DP	445,200			PNP, Normal Open, Non Shield
PRL30-15DN2	445,200			NPN, Normal Close, Non Shield
PRL30-15DP2	445,200			PNP, Normal Close, Non Shield

■Cylindrical proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRT08-1.5DO	402,800	1.5mm	24VDC (15-30VDC)	Normal Open, Shield
PRT08-1.5DC	402,800			Normal Close, Shield
PRT08-2DO	402,800	2mm		Normal Open, Non Shield
PRT08-2DC	402,800			Normal Close, Non Shield
PRT12-2DO	360,400	2mm		Normal Open, Shield
PRT12-2DC	360,400			Normal Close, Shield
PRT12-4DO	360,400	4mm		Normal Open, Non Shield
PRT12-4DC	360,400			Normal Close, Non Shield
PRT18-5DO	360,400	5mm		Normal Open, Shield
PRT18-5DC	360,400			Normal Close, Shield
PRT18-8DO	360,400	8mm		Normal Open, Non Shield
PRT18-8DC	360,400			Normal Close, Non Shield
PRT30-10DO	381,600	10mm		Normal Open, Shield
PRT30-10DC	381,600			Normal Close, Shield
PRT30-15DO	381,600	15mm		Normal Open, Non Shield
PRT30-15DC	381,600			Normal Close, Non Shield

■Cylindrical proximity sensor (AC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PR12-2AO	424,000	2mm	100-240VAC (85-264VAC)	Normal Open, Shield
PR12-2AC	424,000			Normal Close, Shield
PR12-4AO	424,000	4mm		Normal Open, Non Shield
PR12-4AC	424,000			Normal Close, Non Shield
PR18-5AO	424,000	5mm		Normal Open, Shield
PR18-5AC	424,000			Normal Close, Shield

PROXIMITY SENSOR

■Cylindrical proximity sensor (AC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PR18-8AO	424,000	8mm	100-240VAC (85-264VAC)	Normal Open, Non Shield
PR18-8AC	424,000			Normal Close, Non Shield
PR30-10AO	445,200	10mm	100-240VAC (85-264VAC)	Normal Open, Shield
PR30-10AC	445,200			Normal Close, Shield
PR30-15AO	445,200	15mm		Normal Open, Non Shield
PR30-15AC	445,200			Normal Close, Non Shield

■Cylindrical proximity sensor (AC 2-wire)- Long type

Model	Price	Detecting distance	Power supply	Remark
PRL18-5AO	424,000	5mm	100-240VAC (85-264VAC)	Normal Open, Shield
PRL18-5AC	424,000			Normal Close, Shield
PRL18-8AO	424,000	8mm		Normal Open, Non Shield
PRL18-8AC	424,000			Normal Close, Non Shield
PRL30-10AO	487,600	10mm		Normal Open, Shield
PRL30-10AC	487,600			Normal Close, Shield
PRL30-15AO	487,600	15mm		Normal Open, Non Shield
PRL30-15AC	487,600			Normal Close, Non Shield

■Cylindrical spatter-resistance type proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PRA12-2DN	572,400	2mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRA12-2DP	572,400			PNP, Normal Open, Shield
PRA12-2DN2	572,400			NPN, Normal Close, Shield
PRA12-2DP2	572,400			PNP, Normal Close, Shield
PRA18-5DN	636,000	5mm		NPN, Normal Open, Shield
PRA18-5DP	636,000			PNP, Normal Open, Shield
PRA18-5DN2	636,000			NPN, Normal Close, Shield
PRA18-5DP2	636,000			PNP, Normal Close, Shield
PRA30-10DN	784,400	10mm		NPN, Normal Open, Shield
PRA30-10DP	784,400			PNP, Normal Open, Shield
PRA30-10DN2	784,400			NPN, Normal Close, Shield
PRA30-10DP2	784,400			PNP, Normal Close, Shield

PROXIMITY SENSOR

■Cylindrical spatter-resistance type proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRAT12-2DO	572,400	2mm	24VDC (15-30VDC)	Normal Open, Shield
PRAT12-2DC	572,400			Normal Close, Shield
PRAT18-5DO	636,000	5mm		Normal Open, Shield
PRAT18-5DC	636,000			Normal Close, Shield
PRAT30-10DO	784,400	10mm		Normal Open, Shield
PRAT30-10DC	784,400			Normal Close, Shield

■Cylindrical spatter-resistance type proximity sensor (AC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRA12-2AO	699,600	2mm	100-240VAC (85-264VAC)	Normal Open, Shield
PRA12-2AC	699,600			Normal Close, Shield
PRA18-5AO	742,000	5mm		Normal Open, Shield
PRA18-5AC	742,000			Normal Close, Shield
PRA30-10AO	890,400	10mm		Normal Open, Shield
PRA30-10AC	890,400			Normal Close, Shield

■Cylindrical spatter-resistance type proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRAWT12-2DO	720,800	2mm	12-24VDC (10-30VDC)	Normal Open, Shield
PRAWT12-2DC	720,800			Normal Close, Shield
PRAWT12-2DO-I	720,800			Normal Open, Shield
PRAWT12-2DC-I	720,800			Normal Close, Shield
PRAWT18-5DO	784,400	5mm		Normal Open, Shield
PRAWT18-5DC	784,400			Normal Close, Shield
PRAWT18-5DO-I	784,400			Normal Open, Shield
PRAWT18-5DC-I	784,400			Normal Close, Shield
PRAWT30-10DO	954,000	10mm		Normal Open, Shield
PRAWT30-10DC	954,000			Normal Close, Shield
PRAWT30-10DO-I	954,000			Normal Open, Shield
PRAWT30-10DC-I	954,000			Normal Close, Shield

PROXIMITY SENSOR

■Cylindrical with connector type proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PRCM12-2DN	381,600	2mm	10-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRCM12-2DP	381,600			PNP, Normal Open, Shield
PRCM12-2DN2	381,600			NPN, Normal Close, Shield
PRCM12-2DP2	381,600			PNP, Normal Close, Shield
PRCM12-4DN	381,600	4mm		NPN, Normal Open, Non Shield
PRCM12-4DP	381,600			PNP, Normal Open, Non Shield
PRCM12-4DN2	381,600			NPN, Normal Close, Non Shield
PRCM12-4DP2	381,600			PNP, Normal Close, Non Shield
PRCM18-5DN	381,600	5mm		NPN, Normal Open, Shield
PRCM18-5DP	381,600			PNP, Normal Open, Shield
PRCM18-5DN2	381,600			NPN, Normal Close, Shield
PRCM18-5DP2	381,600			PNP, Normal Close, Shield
PRCM18-8DN	381,600	8mm		NPN, Normal Open, Non Shield
PRCM18-8DP	381,600			PNP, Normal Open, Non Shield
PRCM18-8DN2	381,600			NPN, Normal Close, Non Shield
PRCM18-8DP2	381,600			PNP, Normal Close, Non Shield
PRCM30-10DN	445,200	10mm		NPN, Normal Open, Shield
PRCM30-10DP	445,200			PNP, Normal Open, Shield
PRCM30-10DN2	445,200			NPN, Normal Close, Shield
PRCM30-10DP2	445,200			PNP, Normal Close, Shield
PRCM30-15DN	445,200	15mm		NPN, Normal Open, Non Shield
PRCM30-15DP	445,200			PNP, Normal Open, Non Shield
PRCM30-15DN2	445,200			NPN, Normal Close, Non Shield
PRCM30-15DP2	445,200			PNP, Normal Close, Non Shield

PROXIMITY SENSOR

■Cylindrical with connector type proximity sensor (DC 3-wire)-Long type

Model	Price	Detecting distance	Power supply	Remark
PRCML18-5DN	424,000	5mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRCML18-5DP	424,000			PNP, Normal Open, Shield
PRCML18-5DN2	424,000			NPN, Normal Close, Shield
PRCML18-5DP2	424,000			PNP, Normal Close, Shield
PRCML18-8DN	424,000	8mm		NPN, Normal Open, Non Shield
PRCML18-8DP	424,000			PNP, Normal Open, Non Shield
PRCML18-8DN2	424,000			NPN, Normal Close, Non Shield
PRCML18-8DP2	424,000			PNP, Normal Close, Non Shield
PRCML30-10DN	530,000	10mm		NPN, Normal Open, Shield
PRCML30-10DP	530,000			PNP, Normal Open, Shield
PRCML30-10DN2	530,000			NPN, Normal Close, Shield
PRCML30-10DP2	530,000			PNP, Normal Close, Shield
PRCML30-15DN	530,000	15mm		NPN, Normal Open, Non Shield
PRCML30-15DP	530,000			PNP, Normal Open, Non Shield
PRCML30-15DN2	530,000			NPN, Normal Close, Non Shield
PRCML30-15DP2	530,000			PNP, Normal Close, Non Shield

■Cylindrical with connector type proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRCMT12-2DO	381,600	2mm	24VDC (10-30VDC)	Normal Open, Shield
PRCMT12-2DC	381,600			Normal Close, Shield
PRCMT12-4DO	381,600	4mm		Normal Open, Non Shield
PRCMT12-4DC	381,600			Normal Close, Non Shield
PRCMT18-5DO	381,600	5mm		Normal Open, Shield
PRCMT18-5DC	381,600			Normal Close, Shield
PRCMT18-8DO	381,600	8mm		Normal Open, Non Shield
PRCMT18-8DC	381,600			Normal Close, Non Shield
PRCMT30-10DO	424,000	10mm		Normal Open, Shield
PRCMT30-10DC	424,000			Normal Close, Shield

PROXIMITY SENSOR

■Cylindrical with connector type proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRCMT30-15DO	424,000	15mm	24VDC (10-30VDC)	Normal Open, Non Shield
PRCMT30-15DC	424,000			Normal Close, Non Shield
PRCMT12-2DO-I	402,800	2mm		Normal Open, Shield
PRCMT12-2DC-I	402,800			Normal Close, Shield
PRCMT12-4DO-I	402,800	4mm		Normal Open, Non Shield
PRCMT12-4DC-I	402,800			Normal Close, Non Shield
PRCMT18-5DO-I	402,800	5mm		Normal Open, Non Shield
PRCMT18-5DC-I	402,800			Normal Close, Non Shield
PRCMT18-8DO-I	402,800	8mm		Normal Open, Non Shield
PRCMT18-8DC-I	402,800			Normal Close, Non Shield
PRCMT30-10DO-I	445,200	10mm		Normal Open, Non Shield
PRCMT30-10DC-I	445,200			Normal Close, Non Shield
PRCMT30-15DO-I	445,200	15mm		Normal Open, Non Shield
PRCMT30-15DC-I	445,200			Normal Close, Non Shield

■Cylindrical with connector type proximity sensor (AC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRCM12-2AO	445,200	2mm	100-240VAC (85-264VAC)	Normal Open, Shield
PRCM12-2AC	445,200			Normal Close, Shield
PRCM12-4AO	445,200	4mm		Normal Open, Non Shield
PRCM12-4AC	445,200			Normal Close, Non Shield
PRCM18-5AO	445,200	5mm		Normal Open, Shield
PRCM18-5AC	445,200			Normal Close, Shield
PRCM18-8AO	445,200	8mm		Normal Open, Non Shield
PRCM18-8AC	445,200			Normal Close, Non Shield
PRCM30-10AO	530,000	10mm		Normal Open, Shield
PRCM30-10AC	530,000			Normal Close, Shield
PRCM30-15AO	530,000	15mm		Normal Open, Non Shield
PRCM30-15AC	530,000			Normal Close, Non Shield

PROXIMITY SENSOR

■Cylindrical with connector type proximity sensor (AC 2-wire)-Long type

Model	Price	Detecting distance	Power supply	Remark
PRCML18-5AO	445,200	5mm	100-240VAC (85-264VAC)	Normal Open, Shield
PRCML18-5AC	445,200			Normal Close, Shield
PRCML18-8AO	445,200	8mm		Normal Open, Non Shield
PRCML18-8AC	445,200			Normal Close, Non Shield
PRCML30-10AO	530,000	10mm		Normal Open, Shield
PRCML30-10AC	530,000			Normal Close, Shield
PRCML30-15AO	530,000	15mm		Normal Open, Non Shield
PRCML30-15AC	530,000			Normal Close, Non Shield

■Cylindrical-Cable/Connector type proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PRW08-1.5DN	402,800	1.5mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRW08-1.5DP	402,800			PNP, Normal Open, Shield
PRW08-1.5DN2	402,800			NPN, Normal Close, Shield
PRW08-1.5DP2	402,800			PNP, Normal Close, Shield
PRW08-2DN	402,800	2mm		NPN, Normal Open, Non Shield
PRW08-2DP	402,800			PNP, Normal Open, Non Shield
PRW08-2DN2	402,800			NPN, Normal Close, Non Shield
PRW08-2DP2	402,800			PNP, Normal Close, Non Shield
PRW12-2DN	381,600	2mm		NPN, Normal Open, Shield
PRW12-2DP	381,600			PNP, Normal Open, Shield
PRW12-2DN2	381,600			NPN, Normal Close, Shield
PRW12-2DP2	381,600			PNP, Normal Close, Shield
PRW12-4DN	381,600	4mm		NPN, Normal Open, Non Shield
PRW12-4DP	381,600			PNP, Normal Open, Non Shield
PRW12-4DN2	381,600			NPN, Normal Close, Non Shield
PRW12-4DP2	381,600			PNP, Normal Close, Non Shield
PRW18-5DN	381,600	5mm		NPN, Normal Open, Shield
PRW18-5DN-DA	381,600			NPN, Normal Open, Shield
PRW18-5DP	381,600			PNP, Normal Open, Shield
PRW18-5DN2	381,600			NPN, Normal Close, Shield
PRW18-5DP2	381,600			PNP, Normal Close, Shield

PROXIMITY SENSOR

■Cylindrical-Cable/Connector type proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PRW18-8DN	381,600	8mm	12-24VDC (10-30VDC)	NPN, Normal Open, Non Shield
PRW18-8DP	381,600			PNP, Normal Open, Non Shield
PRW18-8DN2	381,600			NPN, Normal Close, Non Shield
PRW18-8DP2	381,600			PNP, Normal Close, Non Shield
PRW30-10DN	445,200	10mm		NPN, Normal Open, Shield
PRW30-10DP	445,200			PNP, Normal Open, Shield
PRW30-10DN2	445,200			NPN, Normal Close, Shield
PRW30-10DP2	445,200			PNP, Normal Close, Shield
PRW30-15DN	445,200	15mm		NPN, Normal Open, Non Shield
PRW30-15DP	445,200			PNP, Normal Open, Non Shield
PRW30-15DN2	445,200			NPN, Normal Close, Non Shield
PRW30-15DP2	445,200			PNP, Normal Close, Non Shield
PRW08-1.5DN-V	487,600	1.5mm		NPN, Normal Close, Non Shield
PRW08-1.5DP-V	487,600			PNP, Normal Close, Non Shield
PRW08-2DN-V	487,600	2mm		NPN, Normal Close, Non Shield
PRW08-2DP-V	487,600			PNP, Normal Close, Non Shield
PRW30-10DN-V	530,000	10mm		NPN, Normal Close, Non Shield
PRW30-10DP-V	530,000			PNP, Normal Close, Non Shield
PRW30-15DN-V	530,000	15mm		NPN, Normal Close, Non Shield
PRW30-15DP-V	530,000			PNP, Normal Close, Non Shield

■Cylindrical-Cable/Connector type proximity sensor (DC 3-wire)-Long type

Model	Price	Detecting distance	Power supply	Remark
PRWL08-1.5DN	593,600	1.5mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRWL08-1.5DP	593,600			PNP, Normal Open, Shield
PRWL08-1.5DN2	996,400			NPN, Normal Close, Shield
PRWL08-1.5DP2	996,400			PNP, Normal Close, Shield
PRWL08-2DN	593,600	2mm		NPN, Normal Open, Non Shield
PRWL08-2DP	593,600			PNP, Normal Open, Non Shield
PRWL08-2DN2	996,400			NPN, Normal Close, Non Shield
PRWL08-2DP2	996,400			PNP, Normal Close, Non Shield

PROXIMITY SENSOR

Cylindrical-Cable/Connector type proximity sensor (DC 3-wire)-Long type

Model	Price	Detecting distance	Power supply	Remark
PRWL18-5DN	402,800	5mm	12-24VDC (10-30VDC)	NPN, Normal Open, Shield
PRWL18-5DP	402,800			PNP, Normal Open, Shield
PRWL18-5DN2	402,800			NPN, Normal Close, Shield
PRWL18-5DP2	402,800			PNP, Normal Close, Shield
PRWL18-8DN	402,800	8mm		NPN, Normal Open, Non Shield
PRWL18-8DP	402,800			PNP, Normal Open, Non Shield
PRWL18-8DN2	402,800			NPN, Normal Close, Non Shield
PRWL18-8DP2	402,800			PNP, Normal Close, Non Shield
PRWL30-10DN	466,400	10mm		NPN, Normal Open, Shield
PRWL30-10DP	466,400			PNP, Normal Open, Shield
PRWL30-10DN2	466,400			NPN, Normal Close, Shield
PRWL30-10DP2	466,400			PNP, Normal Close, Shield
PRWL30-15DN	466,400	15mm		NPN, Normal Open, Non Shield
PRWL30-15DP	466,400			PNP, Normal Open, Non Shield
PRWL30-15DN2	466,400			NPN, Normal Close, Non Shield
PRWL30-15DP2	466,400			PNP, Normal Close, Non Shield

Cylindrical-Cable/Connector type proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRWT08-1.5DO	402,800	1.5mm	24VDC (10-30VDC)	Normal Open, Shield
PRWT08-1.5DC	402,800			Normal Close, Shield
PRWT08-2DO	402,800	2mm		Normal Open, Non Shield
PRWT08-2DC	402,800			Normal Close, Non Shield
PRWT12-2DO	381,600	2mm		Normal Open, Shield
PRWT12-2DC	381,600			Normal Close, Shield
PRWT12-4DO	381,600	4mm		Normal Open, Non Shield
PRWT12-4DC	381,600			Normal Close, Non Shield
PRWT18-5DO	381,600	5mm		Normal Open, Shield
PRWT18-5DC	381,600			Normal Close, Shield
PRWT18-8DO	381,600	8mm		Normal Open, Non Shield
PRWT18-8DC	381,600			Normal Close, Non Shield

PROXIMITY SENSOR

■Cylindrical-Cable/Connector type proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRWT30-10DO	445,200	10mm	24VDC (10-30VDC)	Normal Open, Shield
PRWT30-10DC	445,200			Normal Close, Shield
PRWT30-15DO	445,200	15mm		Normal Open, Non Shield
PRWT30-15DC	445,200			Normal Close, Non Shield
PRWT08-1.5DO-I	445,200	1.5mm		Normal Open, Non Shield
PRWT08-1.5DC-I	445,200			Normal Close, Non Shield
PRWT08-2DO-I	445,200	2mm		Normal Open, Non Shield
PRWT08-2DC-I	445,200			Normal Close, Non Shield
PRWT12-2DO-I	402,800			Normal Open, Non Shield
PRWT12-2DC-I	402,800			Normal Close, Non Shield
PRWT12-4DO-I	402,800	4mm		Normal Open, Non Shield
PRWT12-4DC-I	402,800			Normal Close, Non Shield
PRWT18-5DO-I	402,800	5mm		Normal Open, Non Shield
PRWT18-5DC-I	402,800			Normal Close, Non Shield
PRWT18-8DO-I	402,800	8mm		Normal Open, Non Shield
PRWT18-8DC-I	402,800			Normal Close, Non Shield
PRWT30-10DO-I	487,600	10mm		Normal Open, Non Shield
PRWT30-10DC-I	487,600			Normal Close, Non Shield
PRWT30-15DO-I	487,600	15mm		Normal Open, Non Shield
PRWT30-15DC-I	487,600			Normal Close, Non Shield
PRWT30-10DC-IV	530,000	10mm		Normal Close, Non Shield
PRWT30-15DC-IV	530,000	15mm		Normal Close, Non Shield
PRWT08-1.5DO-IV	487,600	1.5mm		Normal Open, Non Shield
PRWT08-1.5DC-IV	487,600			Normal Close, Non Shield
PRWT08-2DO-IV	487,600	2mm		Normal Open, Non Shield
PRWT08-2DC-IV	487,600			Normal Close, Non Shield
PRWT08-1.5DO-V	487,600	1.5mm		Normal Open, Non Shield
PRWT08-1.5DC-V	487,600			Normal Close, Non Shield
PRWT08-2DO-V	487,600	2mm		Normal Open, Non Shield
PRWT08-2DC-V	487,600			Normal Close, Non Shield
PRWT30-10DO-V	530,000	10mm		Normal Open, Non Shield
PRWT30-15DO-V	530,000	15mm		Normal Open, Non Shield

and add " I " to the end of model. (The price is identical.)

PROXIMITY SENSOR

■Cylindrical-Cable/Connector type proximity sensor (AC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRW12-2AO	445,200	2mm	100-240VAC (85-264VAC)	Normal Open, Shield
PRW12-2AC	445,200			Normal Close, Shield
PRW12-4AO	445,200	4mm		Normal Open, Non Shield
PRW12-4AC	445,200			Normal Close, Non Shield
PRW18-5AO	445,200	5mm		Normal Open, Shield
PRW18-5AC	445,200			Normal Close, Shield
PRW18-8AO	445,200	8mm		Normal Open, Non Shield
PRW18-8AC	445,200			Normal Close, Non Shield
PRW30-10AO	508,800	10mm		Normal Open, Shield
PRW30-10AC	508,800			Normal Close, Shield
PRW30-15AO	508,800	15mm		Normal Open, Non Shield
PRW30-15AC	508,800			Normal Close, Non Shield

■Cylindrical-Cable/Connector type proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PRWL18-5AO	445,200	5mm	100-240VAC (85-264VAC)	Normal Open, Shield
PRWL18-5AC	445,200			Normal Close, Shield
PRWL18-8AO	445,200	8mm		Normal Open, Non Shield
PRWL18-8AC	445,200			Normal Close, Non Shield
PRWL30-10AO	530,000	10mm		Normal Open, Shield
PRWL30-10AC	530,000			Normal Close, Shield
PRWL30-15AO	530,000	15mm		Normal Open, Non Shield
PRWL30-15AC	530,000			Normal Close, Non Shield

■Rectangular type proximity sensor (DC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PSNT17-5DO	275,600	5mm	24VDC (15-30VDC)	Normal Open, Front sensing
PSNT17-5DC	275,600			Normal Close, Front sensing
PSNT17-5DOU	275,600			Normal Open, Upside sensing
PSNT17-5DCU	275,600			Normal Close, Upside sensing

PROXIMITY SENSOR

■Rectangular type proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PS12-4DN	360,400	4mm	12-24VDC (10-30VDC)	NPN, Normal Open
PS12-4DP	360,400			PNP, Normal Open
PS12-4DNU	360,400			NPN, Normal Open, Upside
PS12-4DPU	360,400			PNP, Normal Open, Upside
PS12-4DN2	360,400			NPN, Normal Close
PS12-4DN2U	360,400			NPN, Normal Close, Upside
PS17-3DN2	275,600	3mm		NPN, Normal Close
PS17-3DPU	275,600			PNP, Normal Open, Upside
PS17-3DN2U	275,600			NPN, Normal Close, Upside
PS20-8DN2	296,800	8mm		NPN, Normal Close
PS20-8DPU	296,800			PNP, Normal Open, Upside
PS25-5DN2	381,600	5mm		NPN, Normal Close
PSN17-5DN	275,600	5mm		NPN, Normal Open
PSN17-5DP	275,600			PNP, Normal Open
PSN17-5DN2	275,600			NPN, Normal Close
PSN17-5DP2	275,600			PNP, Normal Open
PSN17-5DNU	275,600			NPN, Normal Open, Upside
PSN17-5DPU	275,600			PNP, Normal Open, Upside
PSN17-5DN2U	275,600			NPN, Normal Close, Upside
PSN17-5DP2U	275,600			PNP, Normal Open, Upside
PSN17-5DN-F	275,600			NPN, Normal Open
PSN17-8DN	275,600	8mm		NPN, Normal Open
PSN17-8DP	275,600			PNP, Normal Open
PSN17-8DN2	275,600			NPN, Normal Close
PSN17-8DP2	275,600			PNP, Normal Open
PSN17-8DNU	275,600			NPN, Normal Open, Upside
PSN17-8DPU	275,600			PNP, Normal Open, Upside
PSN17-8DN2U	275,600			NPN, Normal Close, Upside
PSN17-8DP2U	275,600			PNP, Normal Open, Upside

PROXIMITY SENSOR

■Rectangular type proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PSN17-8DN-F	275,600	8mm	12-24VDC (10-30VDC)	NPN, Normal Close, Upside
PSN17-8DP-F	275,600			PNP, Normal Open, Upside
PSN17-8DN2-F	275,600			NPN, Normal Close, Upside
PSN17-8DP2-F	275,600			PNP, Normal Open, Upside
PSN17-8DNU-F	275,600			NPN, Normal Close, Upside
PSN17-8DPU-F	275,600			PNP, Normal Open, Upside
PSN17-8DN2U-F	275,600			NPN, Normal Close, Upside
PSN17-8DP2U-F	275,600			PNP, Normal Open, Upside
PSN25-5DN	296,800	5mm		NPN, Normal Open
PSN25-5DP	296,800			PNP, Normal Open
PSN25-5DN2	296,800			NPN, Normal Close
PSN25-5DP2	296,800			PNP, Normal Close
PSN30-10DN	339,200	10mm		NPN, Normal Open
PSN30-10DP	339,200			PNP, Normal Open
PSN30-10DN2	339,200			NPN, Normal Close
PSN30-10DP2	339,200			PNP, Normal Close
PSN30-15DN	339,200	15mm		NPN, Normal Open
PSN30-15DP	339,200			PNP, Normal Open
PSN30-15DN2	339,200			NPN, Normal Close
PSN30-15DP2	339,200			PNP, Normal Close
PSN40-20DN	445,200	20mm		NPN, Normal Open
PSN40-20DP	445,200			PNP, Normal Open
PSN40-20DN2	445,200			NPN, Normal Close
PSN40-20DP2	445,200			PNP, Normal Close

PROXIMITY SENSOR

■Rectangular type proximity sensor (AC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PSN25-5AO	381,600	5mm	100-240VAC (85-264VAC)	Normal Open
PSN25-5AC	424,000			Normal Close
PSN30-10AO	424,000	10mm		Normal Open
PSN30-10AC	424,000			Normal Close
PSN30-15AO	424,000	15mm		Normal Open
PSN30-15AC	424,000			Normal Close
PSN40-20AO	699,600	20mm		Normal Open
PSN40-20AC	699,600			Normal Close

■Rectangular type proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PS50-30DN	742,000	15mm	12-24VDC (10-30VDC)	NPN, Normal Open
PS50-30DP	742,000			PNP, Normal Open
PS50-30DN2	742,000	20mm		NPN, Normal Close
PS50-30DP2	742,000			PNP, Normal Close

■Flat type proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
PFI25-8DN	381,600	8mm	12-24VDC (10-30VDC)	NPN, Normal Open
PFI25-8DP	381,600			PNP, Normal Open
PFI25-8DN2	381,600			NPN, Normal Close
PFI25-8DP2	381,600			PNP, Normal Close

■Flat type proximity sensor (AC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
PFI25-8AO	572,400	8mm	100-240VAC (85-264VDC)	Normal Open
PFI25-8AC	572,400			Normal Close

■Long distance Inductive proximity sensor (DC 4-wire)

Model	Price	Detecting distance	Power supply	Remark
AS80-50DN3	1,568,800	50mm	12-48VDC (10-65VDC)	NPN, Normal Open+Normal Close
AS80-50DP3	1,568,800			PNP, Normal Open+Normal Close

PROXIMITY SENSOR

■Electric capacitive type proximity sensor (DC 3-wire)

Model	Price	Detecting distance	Power supply	Remark
CR18-8DN	530,000	8mm	12-24VDC (10-30VDC)	NPN, Normal Open
CR18-8DP	530,000			PNP, Normal Open
CR18-8DN2	530,000			NPN, Normal Close
CR30-15DN	636,000	15mm		NPN, Normal Open
CR30-15DP	636,000			PNP, Normal Open
CR30-15DN2	636,000			NPN, Normal Close

■Electric capacitive type proximity sensor (AC 2-wire)

Model	Price	Detecting distance	Power supply	Remark
CR18-8AO	636,000	8mm	100-240VAC (85-264VAC)	Normal Open
CR18-8AC	636,000			Normal Close
CR30-15AO	742,000	15mm		Normal Open
CR30-15AC	742,000			Normal Close

■Transmission coupler

Model	Price	Detecting distance	Power supply	Remark
PET18-5	339,200	5mm	Loop powered	

■Connector cable (DC 2-wire)

Model	Price	Cable Length	Cable Material	Type	Remark
CID2-2	148,400	2m	PVC	Socket type	
CLD2-2	148,400				
CID2-5	190,800	5m			
CLD2-5	190,800				
CID2-2-I	148,400	2m		Socket type (IEC standard)	
CLD2-2-I	148,400				
CID2-5-I	190,800	5m			
CLD2-5-I	190,800				
CID2-2P	190,800	2m		Plug type	
CLD2-2P	190,800				
CID2-5P	254,400	5m			
CLD2-5P	254,400				

PROXIMITY SENSOR

■Connector cable (DC 3-wire)

Model	Price	Cable Length	Cable Material	Type	Remark		
CID3-2	148,400	2m	PVC	Socket type			
CLD3-2	148,400						
CID3-5	190,800	5m				Plug type	
CLD3-5	190,800						
CID3-2P	190,800	2m					
CLD3-2P	190,800						
CID3-5P	254,400	5m					
CLD3-5P	254,400						

■Connector cable (AC 2-wire)

Model	Price	Cable Length	Cable Material	Type	Remark		
CIA2-2	148,400	2m	PVC	Socket type			
CLA2-2	148,400						
CIA2-5	190,800	5m				Plug type	
CLA2-5	190,800						
CIA2-2P	190,800	2m					
CLA2-2P	190,800						
CIA2-5P	296,800	5m					
CLA2-5P	254,400						

■Connector connection cable

Model	Price	Cable Length	Cable Material	Type	Remark
C1D4-2	254,400	2m	PVC	Socket - Plug (DC)	
C2D4-2	254,400				
C3D4-2	254,400				
C4D4-2	254,400				
C1D4-5	296,800	5m			
C2D4-5	296,800				
C3D4-5	296,800				
C4D4-5	296,800				

PROXIMITY SENSOR

■Connector connection cable

Model	Price	Cable Length	Cable Material	Type	Remark			
C1A4-2	254,400	2m	PVC	Socket - Plug (AC)				
C2A4-2	254,400							
C3A4-2	254,400							
C4A4-2	254,400							
C1A4-5	296,800	5m						
C2A4-5	296,800							
C3A4-5	296,800							
C4A4-5	296,800							
C1D4-2P	275,600	2m		Plug - Plug (DC)				
C1D4-5P	339,200	5m						
C1A4-2P	275,600	2m		Plug - Plug (AC)				
C1A4-5P	339,200	5m						
CIDH4-3	339,200	3m		Socket type				
CIDH4-5	424,000	5m						
CLDH4-3	339,200	3m						
CLDH4-5	424,000	5m						
CIDH4-3P	339,200	3m		Plug type				
CIDH4-5P	424,000	5m						
CLDH4-3P	339,200	3m						
CLDH4-5P	424,000	5m						
CID6S-2	466,400	2m		Socket type				
CID6S-5	614,800	5m						
CID6S-10	848,000	10m						
CID9S-2	572,400	2m						
CID9S-5	699,600	5m						
CID9S-10	932,800	10m						
CID13S-2	657,200	2m						
CID13S-5	805,600	5m						
CID13S-10	1,081,200	10m						
CID13P-2-SI	1,038,800	2m				Socket-Plug Type		
CID13P-5-SI	1,187,200	5m						
CID13P-10-SI	1,420,400	10m						

PROXIMITY SENSOR

■ Junction Box

Model	Price	Length	Power supply	Cable material
PT4-2D	1,144,800	4 pcs	24VDC	DC 2-wire
PT4-3DN	1,144,800		12-24VDC	DC 3-wire, NPN Type
PT4-3DP	1,144,800			DC 3-wire, PNP Type
PT6-2D	1,314,400	6 pcs	24VDC	DC 2-wire
PT6-3DN	1,314,400		12-24VDC	DC 3-wire, NPN Type
PT6-3DP	1,314,400			DC 3-wire, PNP Type
PT8-2D	1,484,000	8 pcs	24VDC	DC 2-wire
PT8-3DN	1,484,000		12-24VDC	DC 3-wire, NPN Type
PT8-3DP	1,484,000			DC 3-wire, PNP Type

■ Waterproof cover

Model	Price	Connector Size			
P96-M12-1	63,600	M12			

■ Connector for panel mounting

Model	Price	Power supply type	Type		
PT1-D	127,200	DC	Flush		
PT1-A	127,200	AC			
PT2-D	127,200	DC	Non Flush		
PT2-A	127,200	AC			

■ Front protection cover (Silicon type)

Model	Price	Connector Size			
P90-M12	21,200	M12			
P90-M18	21,200	M18			
P90-M30	21,200	M30			

■ Fixing Braket of Proximity senor (Plastic type)

Model	Price	Connector Size			
P90-R12	21,200	M12			
P90-R18	21,200	M18			
P90-R30	21,200	M30			

PHOTOELECTRIC SENSOR

■ photoelectric sensor

Model	Price	Sensing distance	Sensing type	Power supply	Control output	Remark
BS5-K2M	1,060,000	5mm	Transmitted beam type	5-24VDC	NPN open collector	Light ON/ Dark ON
BS5-K2M-P					PNP open collector	
BS5-L2M					NPN open collector	
BS5-L2M-P					PNP open collector	
BS5-T2M					NPN open collector	
BS5-T2M-P					PNP open collector	
BS5-Y2M					NPN open collector	
BS5-Y2M-P					PNP open collector	
BS5-V2M					NPN open collector	
BS5-V2M-P					PNP open collector	

■ Diffuse reflective type with long sensing distance photoelectric sensor

Model	Price	Sensing distance	Sensing type	Power supply	Control output	Remark
BA2M-DDT	1,060,000	2m	Diffuse reflective type	12-24VDC	NPN open collector	Light ON
BA2M-DDT-P	1,081,200	2m	Diffuse reflective type	12-24VDC	PNP open collector	Light ON
BA2M-DDTD	1,081,200	3m	Diffuse reflective type	12-25VDC	NPN open collector	Dark ON
BA3M-DDTD-P	1,081,200	4m	Diffuse reflective type	12-26VDC	PNP open collector	Dark ON

※Dark ON mode is optional.

■ Amplifier built-in type photoelectric sensor

Model	Price	Sensing distance	Sensing type	Power supply	Control output	Remark
BY500-TDT	699,600	500mm	Transmitted beam type	12-24VDC	NPN open collector	Dark ON
BYS500-TDT	699,600					

■ Long sensing distance photoelectric sensor

Model	Price	Sensing distance	Sensing type	Power supply	Control output	Remark
BJ15M-TDT	1,187,200	15m	Transmitted beam type	12-24VDC	NPN open collector	Light ON/ Dark ON
BJ15M-TDT-P	1,187,200				PNP open collector	
BJ10M-TDT	1,081,200	10m			NPN open collector	
BJ10M-TDT-P	1,081,200				PNP open collector	
BJ7M-TDT	1,123,600	7M			NPN open collector	
BJ7M-TDT-P	1,123,600				PNP open collector	
BJ3M-PDT	1,017,600	3M	Retroreflective with polarizing filter		NPN open collector	
BJ3M-PDT-P	1,017,600				PNP open collector	

PHOTOELECTRIC SENSOR

■ Long sensing distance photoelectric sensor

Model	Price	Sensing	Sensing type	Power Supply	Control Output	Remark
BJ1M-DDT	932,800	1m	Diffuse reflective type	12-24VDC	NPN open collector	Light ON/ Dark ON
BJ1M-DDT-P	932,800				PNP open collector	
BJ300-DDT	890,400	300mm			NPN open collector	
BJ300-DDT-P	890,400				PNP open collector	
BJ100-DDT	890,400	100mm			NPN open collector	
BJ100-DDT-P	890,400				PNP open collector	
BJG30-DDT	1,123,600	30mm			NPN open collector	Light ON
BJN50-NDT	1,187,200	30~70mm	Diffuse reflective type (Micro spot type)	12-24VDC	NPN open collector	Light ON/ Dark ON
BJN50-NDT-P	1,187,200				PNP open collector	
BJN100-NDT	1,187,200	70~130mm			NPN open collector	
BJN100-NDT-P	1,187,200				PNP open collector	

■ BGS reflective photoelectric sensor

Model	Price	Sensing	Sensing type	PowerSupply	ControlOutput	Remark
BJ30-BDT	1,229,600	10-30mm (Non -glossy white Paper 50X50mm)	BGS reflective	12-24VDC	NPN open collector	Light ON/ Dark ON mode selectabel (short rotator adjuster)
BJ30-BDT-P	1,229,600				PNP open collector	
BJ50-BDT	1,229,600	10-50mm (Non -glossy white Paper 50X50mm)			NPN open collector	
BJ50-BDT-P	1,229,600				PNP open collector	
BJ100-BDT	1,229,600	10-100mm (Non -glossy white Paper 100X100mm)			NPN open collector	
BJ100-BDT-P	1,229,600				PNP open collector	

PHOTOELECTRIC SENSOR

■Long sensing distance photoelectric sensor(Connection Type)

Model	Price	Sensing	Sensing type	Power Supply	Control Output	Remark
BJ1M-DDT-C	1,081,200	1m	Diffuse reflective type	12-24VDC	NPN open collector	Light ON/ Dark ON
BJ1M-DDT-C-P	1,081,200				PNP open collector	
BJ300-DDT-C	1,038,800	300mm			NPN open collector	
BJ300-DDT-C-P	1,038,800				PNP open collector	
BJ100-DDT-C	1,038,800	100mm			NPN open collector	
BJ100-DDT-C-P	1,038,800				PNP open collector	
BJ3M-PDT-C	1,166,000	3m	Retroreflective with polarizing filter	12-24VDC	NPN open collector	Light ON/ Dark ON
BJ3M-PDT-C-P	1,166,000				PNP open collector	
BJ15M-TDT-C	1,674,800	15m	Transmitted beam type	12-24VDC	NPN open collector	Light ON/ Dark ON
BJ15M-TDT-C-P	1,674,800				PNP open collector	
BJ10M-TDT-C	1,526,400	10m			NPN open collector	
BJ10M-TDT-C-P	1,526,400				PNP open collector	

■Amplifier built-in type photoelectric sensor

Model	Price	Sensing	Sensing type	Power Supply	Control Output	Remark
BYD30-DDT	699,600	10~30mm	Reflective type (Diffuse type)	12-24VDC	NPN open collector	Light ON
BYD30-DDT-U	699,600					
BYD30-DDT-T	699,600					
BYD50-DDT	699,600	10~50mm	Reflective type (Diffuse type)	12-24VDC	NPN open collector	Light ON
BYD50-DDT-U	699,600					
BYD50-DDT-T	699,600					
BYD3M-TDT	1,060,000	3m	Transmitted beam type		NPN open collector	Dark ON (Light ON Option)
BYD3M-TDT-P	1,060,000				PNP open collector	
BYD100-DDT	742,000	100mm	Diffuse reflective type			NPN open collector

※Model "-T" represents Timer built-in type models. "-U" represents the model of which operator LED is on the Top.

PHOTOELECTRIC SENSOR

■ Amplifier built-in type photoelectric sensor

Model	Price	Sensing	Sensing type	Power Supply	Control Output	Remark
BPS3M-TDT	1,144,800	3m	Transmitted beam type	12-24VDC	NPN open collector	Dark ON
BPS3M-TDTL	1,144,800					Light ON
BPS3M-TDT-P	1,144,800				PNP open collector	Dark ON
BPS3M-TDTL-P	1,144,800					Light ON

■ Amplifier built-in type photoelectric sensor

Model	Price	Sensing	Sensing type	Power Supply	Control Output	Remark
BM3M-TDT	826,800	3m	Transmitted	12-24VDC	NPN open collector	Dark ON
BM1M-MDT	826,800	0.1~1m	Retroreflective			Light ON
BM200-DDT	826,800	200mm	Diffuse			

■ Amplifier built-in type photoelectric sensor (Side sensing type)

Model	Price	Sensing	Sensing type	Power Supply	Control Output	Remark
BMS5M-TDT	975,200	5m	Transmitted beam type	12-24VDC	NPN open collector	Light ON/ Dark ON
BMS5M-TDT-P	975,200				PNP open collector	
BMS2M-MDT	826,800	0.1~2m	Retroreflective type		NPN open collector	
BMS2M-MDT-P	826,800				PNP open collector	
BMS300-DDT	826,800	300mm	Diffuse reflective type		NPN open collector	
BMS300-DDT-P	826,800				PNP open collector	

■ Amplifier built-in type photoelectric sensor (Universal voltage type)

Model	Price	Sensing	Sensing type	Power Supply	Control Output	Remark
BEN10M-TDT	1,038,800	10m	Transmitted beam type	12-24VDC	NPN / PNP	Light ON/ Dark ON
BEN10M-TFR	1,166,000	10m		24-240VAC / 24-240VDC	Relay contact	
BEN5M-MDT	890,400	0.1~5m	Retroreflective type	12-24VDC	NPN / PNP	
BEN5M-MFR	911,600	0.1~5m		24-240VAC / 24-240VDC	Relay contact	
BEN3M-PDT	954,000	0.1~3m	Retroreflective with polarizing filter	12-24VDC	NPN / PNP	
BEN3M-PFR	954,000	0.1~3m		24-240VAC / 24-240VDC	Relay contact	
BEN300-DDT	890,400	300mm	Diffuse reflective type	12-24VDC	NPN / PNP	
BEN300-DFR	996,400	300mm		24-240VAC / 24-240VDC	Relay contact	

PHOTOELECTRIC SENSOR

■ Amplifier built-in type photoelectric sensor for long distance (Terminal type)

Model	Price	Sensing	Sensing type	Power Supply	Control Output	Remark
BX15M-TDT	1,102,400	15m	Transmitted Beam type	12-24VDC	PNP / NPN	Light ON/ Dark ON
BX15M-TDT-T	1,314,400	15m				Timer built-in Light ON/ Dark ON
BX15M-TFR	1,356,800	15m		24-240VAC /12-240VDC	Relay contact output	Light ON/ Dark ON
BX15M-TFR-T	1,462,800	15m				Timer built-in Light ON/ Dark ON
BX5M-MDT	1,017,600	0.1~5m	Retroreflective type	12-24VDC	PNP / NPN	Light ON/ Dark ON
BX5M-MDT-T	1,017,600	0.1~5m				Timer built-in Light ON/ Dark ON
BX5M-MFR	1,123,600	0.1~5m		24-240VAC /12-240VDC	Relay contact output	Light ON/ Dark ON
BX5M-MFR-T	1,208,400	0.1~5m				Timer built-in Light ON/ Dark ON
BX3M-PDT	1,356,800	0.1~3m	Retroreflective with polarizing filter	12-24VDC	PNP / NPN	Light ON/ Dark ON
BX3M-PDT-T	1,505,200	0.1~3m				Timer built-in Light ON/ Dark ON
BX3M-PFR	1,674,800	0.1~3m		24-240VAC /12-240VDC	Relay contact output	Light ON/ Dark ON
BX3M-PFR-T	1,844,400	0.1~3m				Timer built-in Light ON/ Dark ON

■ Amplifier built-in type photoelectric sensor for long distance (Terminal type)

Model	Price	Sensing	Sensing type	Power Supply	Control Output	Remark
BX700-DDT	1,017,600	700mm	Diffuse reflective type	12-24VDC	PNP / NPN	Light ON/ Dark ON
BX700-DDT-T	1,229,600	700mm				Timer built-in Light ON/ Dark ON
BX700-DFR	1,123,600	700mm		24-240VAC /12-240VDC	Relay contact output	Light ON/ Dark ON
BX700-DFR-T	1,208,400	700mm				Timer built-in Light ON/ Dark ON

PHOTOELECTRIC SENSOR

■Cylindrical photoelectric sensor

Model	Price	Sensing	Sensing type	PowerSupply	ControlOutput	Remark
BR20M-TDTD	1,187,200	20m	Transmitted beam type	12-24VDC	NPN open collector	Dark ON
BR20M-TDTL	1,187,200					Light ON
BR20M-TDTD-P	1,187,200				PNP open collector	Dark ON
BR20M-TDTL-P	1,187,200					Light ON
BR4M-TDTD	1,293,200	4m	Transmitted beam type (Glass lens)		NPN open collector	Dark ON
BR4M-TDTL	1,293,200					Light ON
BR4M-TDTD-P	1,293,200				PNP open collector	Dark ON
BR4M-TDTL-P	1,293,200					Light ON
BR400-DDT	1,017,600	400mm	Diffuse reflective type	12-24VDC	NPN open collector	Light ON/ Dark ON
BR400-DDT-P	1,017,600				PNP open collector	
BRP400-DDT	1,017,600		Diffuse reflective type (Plastic case)		NPN open collector	
BRP400-DDT-P	1,017,600				PNP open collector	
BR200-DDTN	1,017,600	200m	Diffuse reflective (Narrow beam type)		NPN open collector	
BR200-DDTN-P	1,017,600				PNP open collector	
BRP200-DDTN	1,017,600		Diffuse reflective (Narrow beam type) (Plastic case)		NPN open collector	
BRP200-DDTN-P	1,017,600				PNP open collector	
BR100-DDT	1,017,600	100mm	Diffuse reflective type		NPN open collector	
BR100-DDT-P	1,017,600				PNP open collector	
BRP100-DDT	1,017,600		Diffuse reflective type (Plastic case)		NPN open collector	
BRP100-DDT-P	1,017,600				PNP open collector	
BR3M-MDT	1,102,400	0.1~3m	Retroreflective		NPN open collector	
BR3M-MDT-P	1,102,400	0.1~3m			PNP open collector	
BRP3M-MDT	1,102,400	0.1~3m			NPN open collector	
BRP3M-MDT-P	1,102,400	0.1~3m			PNP open collector	

PHOTOELECTRIC SENSOR

■ U-Shaped type photoelectric sensor (Plastic case) □

Model	Price	Sensing	Sensing type	PowerSupply	ControlOutput	Remark	
BUP-30	869,200	30mm	Transmitted beam type	12-24VDC	NPN open collector	Light ON/ Dark ON	
BUP-30S	932,800				PNP open collector		
BUP-30-P	869,200				NPN open collector		
BUP-30S-P	932,800				PNP open collector		
BUP-50	911,600	50mm			18-35VDC		
BUP-50S	975,200						
BUP-50-P	911,600						
BUP-50S-P	975,200						
BUP-50-HD	911,600						
BUP-50-HDL	911,600						

※Model"-S" represents adjuster built-in type models.

■ Ultra Slim size photoelectric sensor

Model	Price	Sensing	Sensing type	Power Supply	Control Output	Remark
BTF15-BDTL	1,229,600	15mm	BGS reflective type	12-24VDC	NPN open collector	Light ON
BTF15-BDTL-P	1,229,600				PNP open collector	
BTF1M-TDTL	1,229,600	1m	Transmitted beam type		NPN open collector	
BTF1M-TDTL-P	1,229,600				PNP open collector	
BTF30-DDTL	975,200	30mm	Diffuse reflective type		NPN open collector	
BTF30-DDTL-P	975,200				PNP open collector	
BTF15-BDTD	1,229,600	15mm	BGS reflective type	12-24VDC	NPN open collector	Dark ON
BTF15-BDTD-P	1,229,600				PNP open collector	
BTF1M-TDTD	1,229,600	1m	Transmitted beam type		NPN open collector	
BTF1M-TDTD-P	1,229,600				PNP open collector	
BTF30-DDTD	975,200	30mm	Diffuse reflective type		NPN open collector	
BTF30-DDTD-P	975,200				PNP open collector	

PHOTOELECTRIC SENSOR

■ Ultra compact type photoelectric sensor

Model	Price	Sensing distance	Sensing type	Power supply	Control output	Remark
BTS15-LDTL	1,229,600	15mm	Convergent reflective type	12-24VDC	NPN open collector	Light on
BTS15-LDTL-P	1,229,600				PNP open collector	
BTS15-LDTD	1,229,600				NPN open collector	Dark on
BTS15-LDTD-P	1,229,600				PNP open collector	
BTS30-LDTL	1,229,600	30mm			NPN open collector	Light on
BTS30-LDTL-P	1,229,600				PNP open collector	
BTS30-LDTD	1,229,600				NPN open collector	Dark on
BTS30-LDTD-P	1,229,600				PNP open collector	
BTS200-MDTL	1,081,200	200mm	Retroreflective type		NPN open collector	Light on
BTS200-MDTL-P	1,081,200				PNP open collector	
BTS200-MDTD	1,081,200				NPN open collector	Dark on
BTS200-MDTD-P	1,081,200				PNP open collector	
BTS1M-TDTL	1,229,600	1M	Through-beam type		NPN open collector	Light on
BTS1M-TDTL-P	1,229,600				PNP open collector	
BTS1M-TDTD	1,229,600				NPN open collector	Dark on
BTS1M-TDTD-P	1,229,600				PNP open collector	

■ Liquid level sensor for mounting pipe(through-beam)□

Model	Price	Pipe diameter	Sensing type	Power supply	Control output
BL13-TDT	1,950,400	Ø6 to 13mm	Through-beam	12-24VDC ±10%	NPN open collector output
BL13-TDT-P	1,950,400				PNP open collector output

■ Door sensor

Model	Price	Power supply	Control output
ADS-AF	1,653,600	24-240 VAC/DC	Relay contact output Contact capacity : 50VDC 0.1A (Resistive load)
ADS-AE	1,653,600	12-24 VAC/DC	
ADS-SE	1,420,400	12-24 VAC/DC	Relay contact output Contact capacity : 50VDC 0.3A (Resistive load)
ADS-SEC	1,017,600	Door side sensor controller	
ADS-SH	445,200	Sensor set (Cable length : 10m)	

PHOTOELECTRIC SENSOR

■Accessories

Model	Price	Mirro Size	Remark
MS-2	84,800	W40.5 X H60.5 X L8mm	
MS-3	254,400	W86.1 X H60.5 X L8.4mm	
MS-4	148,400	W29.3 X H38 X L7mm	
MS-5	84,800	W15.4 X H24 X L7.5mm	
MS-2A	169,600	W40.5 X H60.5 X L8mm	
MS-2S	148,400	W40.5 X H60.5 X L8mm	
MS-3S	339,200	W86.1 X H60.5 X L8.4mm	

■Picking sensor (Plastic case)

Model	Price	Optical axis pitch	Power Supply	Sensing type	Control output	operation mode
BWPK25-05	3,561,600	25mm	12-24VDC	Transmitted Beam type	NPN open collector	Light ON / Dark ON
BWPK25-05P	3,561,600				PNP open collector	

■Area sensor (Plastic case)

Model	Price	Optical	Power Supply	Sensing	Control output	operation	
BWP20-08	4,091,600	20mm	12-24VDC	Transmitted Beam type	NPN open collector	Light ON / Dark ON	
BWP20-12	4,833,600						
BWP20-16	5,575,600						
BWP20-20	6,317,600						
BWP20-08P	4,091,600				PNP open collector		
BWP20-12P	4,833,600						
BWP20-16P	5,575,600						
BWP20-20P	6,317,600						

PHOTOELECTRIC SENSOR

■Area sensor (Aluminum case)

Model	Price	Optical axis pitch	Power supply	Sensing type	Control output	operation mode
BW20-08(-P)	4,939,600	20mm	12-24VDC	Transmitted Beam type	NPN open collector (PNP open collector)	Light ON fixed
BW20-12(-P)	6,784,000					
BW20-16(-P)	8,649,600					
BW20-20(-P)	10,494,000					
BW20-24(-P)	12,338,400					
BW20-28(-P)	14,204,000					
BW20-32(-P)	16,048,400					
BW20-36(-P)	17,914,000					
BW20-40(-P)	19,758,400					
BW20-44(-P)	21,602,800					
BW20-48(-P)	23,468,400					
BW40-04(-P)	4,303,600	40mm				
BW40-06(-P)	5,575,600					
BW40-08(-P)	7,420,000					
BW40-10(-P)	9,264,400					
BW40-12(-P)	10,494,000					
BW40-14(-P)	11,723,600					
BW40-16(-P)	12,974,400					
BW40-18(-P)	14,840,000					
BW40-20(-P)	16,048,400					
BW40-22(-P)	17,278,000					
BW40-24(-P)	18,528,800					

PHOTOELECTRIC SENSOR

■ Area sensor (Cross beam type)

Model	Price	Optical axis pitch	Power supply	Sensing type	Control output	operation mode
BWC40-04HD	6,126,800	40mm	12-24VDC	Transmitted beam type	NPN open collector	Dark on
BWC40-10HD	11,554,000					
BWC40-12HD	12,889,600					
BWC40-16HD	15,624,400					
BWC40-18HD	17,680,800					
BWC40-20HD	19,016,400					
BWC40-04H	6,126,800					Light on
BWC40-10H	11,554,000					
BWC40-12H	12,889,600					
BWC40-16H	15,624,400					
BWC40-18H	17,680,800					
BWC40-20H	19,016,400					
BWC80-14HD	14,946,000	80mm				Dark on
BWC80-14H	14,946,000					

■ Connector

Model	Price	Connector to GP	Remark
CT-01	42,400	Connector for BS5 series	
CT-02	127,200	Connector for BS5 series with 1m cable	

■ Connecting cable (Sold separately)

Model	Price	Length	Color	Remark
CID4-3T	169,600	3m	Black	
CID4-5T	275,600	5m		
CID4-7T	339,200	7m		
CID4-10T	424,000	10m		
CID4-3R	169,600	3m	Gray	
CID4-5R	275,600	5m		
CID4-7R	339,200	7m		
CID4-10R	424,000	10m		

※ Connection cable of Emitter(T) and Receiver(R) are sold separately.

FIBER OPTIC SENSOR

■Switching power supply

Model	Price	Function	Light source	Power supply	Control output	Remark
BF5R-D1-N	2,120,000	Dual Display Type	Red LED	12-24VDC	NPN open collector	Light ON/ Dark ON
BF5R-S1-N	1,865,600	Single Display Type				
BF5R-D1-P	2,120,000	Dual Display Type		12-25VDC	PNP open collector	Light ON/ Dark ON
BF5R-S1-P	1,865,600	Single Display Type				
BF5G-D1-N	2,120,000	Dual Display Type	Green LED	12-24VDC	NPN open collector	Light ON/ Dark ON
BF5G-S1-N						
BF5G-D1-P	2,120,000	Dual Display Type		12-25VDC	PNP open collector	Light ON/ Dark ON
BF5G-S1-P						
BF5B-D1-N	2,120,000	Dual Display Type	Blue LED	12-24VDC	NPN open collector	Light ON/ Dark ON
BF5B-S1-N						
BF5B-D1-P	2,120,000	Dual Display Type		12-25VDC	PNP open collector	Light ON/ Dark ON
BF5B-S1-P						

■Fiber optic amplifier

Model	Price	Function	Light source	Power supply	Control output	Remark
BF4R(G)P	1,166,000	Standard type	Red LED/ Green LED (Modulated)	12-24VDC	PNP open collector	Light ON/ Dark ON
BF4R(G)	1,166,000				NPN open collector	
BF4R(G)-E	1,166,000	External synchronization input type				
BF4R(G)-R	1,166,000	Remote sensitivity setting type				

■Fiber optic amplifier

Model	Price	Function	Light source	Power supply	Control output	Remark
BF3RX	826,800	Twin adjuster built-in	Red LED	12-24VDC	PNP open collector	Light ON/ Dark ON
BF3RX-P	826,800				NPN open collector	

FIBER OPTIC SENSOR

■Fiber optic cable (Transmitted beam type)

Model	Price	Structure	Cable material	SUS length	Min. sensing target	Cable length	Temperature
FT-320-05	487,600	Standard	Plastic	—	ø0.5	2m	-40~+70℃
FT-420-10	381,600	Standard		—	ø1.0		
FTC-220-05	487,600	Cylinder		—	ø0.5		
FTC-320-10	487,600	Cylinder		—	ø1.0		
FTP-320-10	296,800	Plastic		—	ø1.0		
FT-420-13	572,400	high-flex		—	ø1.0		
FTCS-220-05	572,400	Cylinder+SUS		15mm	ø0.5		
FTS-320-05	636,000	SUS		90mm	ø0.5		
FTS1-320-05	699,600	SUS		35mm	ø0.5		
FTS2-320-05	699,600	SUS		45mm	ø0.5		
FTS-420-10	636,000	SUS		90mm	ø1.0		
FTS2-420-10	636,000	SUS		45mm	ø1.0		
FT-420-10H	805,600	heat resistant		—	ø1.0		-40~+105℃
FT-420-15H1	1,759,600	heat resistant		—	ø1.0		-40~+150℃

■Fiber optic cable (Transmitted beam type)

Model	Price	Structure	Cable material	SUS length	Min. sensing	Cable length	Temperature
GT-420-13H2	4,134,000	heat resistant	Glass	—	ø1.4	2m	-

■Lens unit for long distance detection

Model	Price	Applicable cable		Sensing distance		Configure	Remark
FTL-M26	339,200	FT-420-10 FT-420-13 FT-420-10H		2500mm 2000mm 1500mm		Mount the lens on the 3mm profecting point of the front hood.	Disable to use over 100℃
FDC-2	360,400						

FIBER OPTIC SENSOR

■Fiber optic cable (Diffuse reflective type)

Model	Price	Structure	Cable material	SUS length	Min. sensing	Cable length	Temperature
FD-320-05	381,600	Standard	Plastic	—	ø0.03	2m	- 40~+70℃
FD-420-05	381,600	Standard		—			
FD-620-10	381,600	Standard		—			
FDC-320-05	381,600	Cylinder		—			
FDP-320-10	296,800	Plastic		—			
FDCS-320-05	487,600	Cylinder+SUS		15mm			
FDS-320-05	487,600	SUS		90mm			
FDS2-320-05	487,600	SUS		45mm			
FDS-420-05	487,600	SUS		90mm			
FDS2-420-05	487,600	SUS		45mm			
FDS-620-10	487,600	SUS		90mm			
FDS2-620-10	487,600	SUS		45mm			
FD-320-F	487,600	coaxal		—			
FD-320-F1	487,600	coaxal		—			
FD-620-F2	487,600	coaxal		—			
FD-620-10H	805,600	heat resistant		—			-40~+105℃
FD-620-15H1	1,759,600	heat resistant		—			-40~+150℃
GD-420-20H2	3,010,400	heat resistant	Glass	—			-40~+250℃
GD-620-20H2	3,180,000	heat resistant		—			-40~+250℃

■Protection tube for fiber optic cable

Model	Price	Length	Remark
FTH-305	720,800	0.5m	
FTH-405	720,800		
FDH-605	402,800		
FTH-310	742,000	1m	
FTH-410	742,000		
FDH-610	424,000		

FIBER OPTIC SENSOR

■Fiber optic cable (Flexible/Flexural type)

Model	Price	Type	Head	Fiber hood	Cable length	Fiber diameter	Type
FD-320-05R	869,200	Diffuse reflective	Free cut	ø3	2m	ø0.5mm	Flexible
FD-420-05R	1,335,600			ø4		ø0.5mm	
FD-620-10R	1,759,600			ø6		ø1.0mm	
FT-320-05R	1,378,000	Transmitted beam		ø3		ø0.5mm	
FT-420-10R	1,844,400			ø4		ø1.0mm	
FTC-220-05R	1,420,400		Cylinder cut	ø2		ø0.5mm	
FD-320-06B	869,200	Diffuse reflective	Free cut	ø3		ø0.6mm	break-resistant type
FD-420-06B	954,000			ø4		ø0.6mm	
FD-620-13B	869,200			ø6		ø1.3mm	
FDC-320-06B	869,200		Cylinder cut	ø3		ø0.6mm	
FT-320-06B	954,000	Transmitted beam	Free cut	ø3		ø0.6mm	
FT-420-13B	869,200			ø4		ø1.3mm	
FTC-1520-06B	869,200		Cylinder cut	ø15		ø0.6mm	
FTC-1520-05	508,800		Cylinder cut	ø15		ø0.5mm	Standard

■Digital fiber optic amplifier Communication converters

Model	Price	Function	Power	Communic	Remark
BFC-N	2,077,600	● Real –time monitoring ● Executes every BF5 feature and sets parameter by external device	12-24VDC	1200, 2400, 4800, 9600,	
BFC-P	2,077,600			19200, 38400	

PRESSURE SENSOR

■Pressure sensor (Regular square)

Model	Price	Pressure type	Pressure range	Pressure port	Cable	Power supply	Control output
PSA-V01-Rc1/8	1,886,800	Vacuum pressure type	0.0 ~ - 101.3kpa	Rc1/8	Cable integrated type	12-24VDC	NPN open collector
PSA-01-Rc1/8		Standard pressure	0.0 ~ 100.0kpa				
PSA-1-Rc1/8			0 ~ 1000kpa				
PSA-C01-Rc1/8		Compound pressure	-100.0 ~ 100.0kpa				
PSA-V01P-Rc1/8		Vacuum pressure type	0.0 ~ - 101.3kpa				PNP open collector
PSA-01P-Rc1/8		Standard pressure type	0 ~ 100.0kpa				
PSA-1P-Rc1/8			0 ~ 1000kpa				
PSA-C01P-Rc1/8		Compound pressure type	-100.0 ~ 100.0kpa				

PRESSURE SENSOR

■Pressure sensor (Regular square)

Model	Price	Pressure type	Pressure range	Pressure port	Cable	Power supply	Control output
PSA-V01-NPT1/8	1,886,800	Vacuum pressure type	0.0 ~ -101.3kpa	NPT1/8	Cable integrated type	12-24VDC	NPN open collector
PSA-01-NPT1/8		Standard pressure type	0 ~ 100.0kpa				
PSA-1-NPT1/8			0 ~ 1000kpa				
PSA-C01-NPT1/8		Compound pressure type	-100.0 ~ 100.0kpa				
PSA-V01P-NPT1/8		Vacuum pressure type	0.0 ~ -101.3kpa				PNP open collector
PSA-01P-NPT1/8		Standard pressure type	0 ~ 100.0kpa				
PSA-1P-NPT1/8			0 ~ 1000kpa				
PSA-C01P-NPT1/8		Compound pressure type	-100.0 ~ 100.0kpa				

PRESSURE SENSOR

■Pressure sensor (Rectangular)

Model	Price	Pressure type	Pressure range	Pressure port	Cable	Power supply	Control output
PSB-V01-M5	1,886,800	Vacuum pressure type	0.0 ~ - 101.3kpa	M5	Cable integrated type	12-24VDC	NPN open collector
PSB-01-M5		Standard pressure type	0.0 ~ 100.0kpa				
PSB-1-M5			0 ~ 1000kpa				
PSB-C01-M5		Compound pressure type	-100.0 ~ 100.0kpa				
PSB-V01P-M5		Vacuum pressure type	0.0 ~ - 101.3kpa				PNP open collector
PSB-01P-M5		Standard pressure type	0.0 ~ 100.0kpa				
PSB-1P-M5			0 ~ 1000kpa				
PSB-C01P-M5		Compound pressure type	-100.0 ~ 100.0kpa				

PRESSURE SENSOR

■Pressure sensor (Rectangular)

Model	Price	Pressure type	Pressure range	Pressure port	Cable	Power supply	Control output
PSB-V01C-M5	1,886,800	Vacuum pressure type	0.0 ~ -101.3kpa	M5	Connector type	12-24VDC	NPN open collector
PSB-01C-M5		Standard pressure type	0.0 ~100.0kpa				
PSB-1C-M5			0 ~ 1.000kpa				
PSB-C01C-M5		Compound pressure type	-100.0 ~ 100.0kpa				
PSB-V01CP-M5		Vacuum pressure type	0.0 ~ -101.3kpa				PNP open collector
PSB-C01CP-M5		Standard pressure type	0.0 ~100.0kpa				
PSB-1CP-M5			0 ~ 1000kpa				
PSB-C01CP-M5		Compound pressure type	-100.0 ~ 100.0kpa				

PRESSURE SENSOR

■Pressure sensor (Fluid/Gas)

Model	Price	Pressure port	Pressure range	cable	output type	output type
PSAN-V01CV-RC1/8	1,759,600	Standard(gas)	100kPa	CONNECT OR TYPE	Analog votage	NPN open collertor output
PSAN-V01CA-RC1/8					Analog current	
PSAN-V01CH-RC1/8					Hold/Auto shift input	
PSAN-V01CPV-RC1/8					Analog votage	PNP open collertor output
PSAN-V01CPA-RC1/8					Analog current	
PSAN-V01CPH-RC1/8					Hold/Auto shift input	
PSAN-01CV-RC1/8			100kPa		Analog votage	NPN open collertor output
PSAN-01CA-RC1/8					Analog current	
PSAN-01CH-RC1/8					Hold/Auto shift input	
PSAN-01CPV-RC1/8					Analog votage	PNP open collertor output
PSAN-01CPA-RC1/8					Analog current	
PSAN-01CPH-RC1/8					Hold/Auto shift input	
PSAN-1CV-RC1/8			1MPa		Analog votage	NPN open collertor output
PSAN-1CA-RC1/8					Analog current	
PSAN-1CH-RC1/8					Hold/Auto shift input	
PSAN-1CPV-RC1/8					Analog votage	PNP open collertor output
PSAN-1CPA-RC1/8					Analog current	
PSAN-1CPH-RC1/8					Hold/Auto shift input	
PSAN-C01CV-RC1/8			100kPa		Analog votage	NPN open collertor output
PSAN-C01CA-RC1/8					Analog current	
PSAN-C01CH-RC1/8					Hold/Auto shift input	
PSAN-C01CPV-RC1/8					Analog votage	PNP opencollertor output
PSAN-C01CPA-RC1/8					Analog current	
PSAN-C01CPH-RC1/8					Hold/Auto shift input	
PSAN-LV01CV-R1/8	4,134,000	Standard(fluid)	100kPa	Analog votage	NPN open collertor output	
PSAN-LV01CA-R1/8				Analog current		
PSAN-LV01CH-R1/8				Hold/Auto shift input		
PSAN-LV01CPV-R1/8				Analog votage	PNP open collertor output	
PSAN-LV01CPA-R1/8				Analog current		
PSAN-LV01CPH-R1/8				Hold/Auto shift input		
PSAN-L01CV-R1/8			100kPa	Analog votage	NPN open collertor output	
PSAN-L01CA-R1/8				Analog current		
PSAN-L01CH-R1/8				Hold/Auto shift input		
PSAN-L01CPV-R1/8				Analog votage	PNP open collertor output	
PSAN-L01CPA-R1/8				Analog current		
PSAN-L01CPH-R1/8				Hold/Auto shift input		

PRESSURE SENSOR

■Pressure sensor (Fluid/Gas)

Model	Price	Pressure port	Pressure range	cable	output type	output type
PSAN-L1CV-R1/8	4,134,000	Standard(fluid)	1MPa	CONNECT OR TYPE	Analog votage	NPN open collertor output
PSAN-L1CA-R1/8					Analog current	
PSAN-L1CH-R1/8					Hold/Auto shift input	
PSAN-L1CPV-R1/8					Analog votage	PNP open collertor output
PSAN-L1CPA-R1/8					Analog current	
PSAN-L1CPH-R1/8					Hold/Auto shift input	
PSAN-LC01CV-R1/8			100kPa		Analog votage	NPN open collertor output
PSAN-LC01CA-R1/8					Analog current	
PSAN-LC01CH-R1/8					Hold/Auto shift input	
PSAN-LC01CPV-R1/8					Analog votage	PNP open collertor output
PSAN-LC01CPA-R1/8					Analog current	
PSAN-LC01CPH-R1/8					Hold/Auto shift input	
PSAN-V01CV-NPT1/8	1,759,600	Option	100kPa		Analog votage	NPN open collertor output
PSAN-V01CA-NPT1/8					Analog current	
PSAN-V01CH-NPT1/8					Hold/Auto shift input	
PSAN-V01CPV-NPT1/8					Analog votage	PNP open collertor output
PSAN-V01CPA-NPT1/8					Analog current	
PSAN-V01CPH-NPT1/8					Hold/Auto shift input	
PSAN-01CV-NPT1/8			100kPa		Analog votage	NPN open collertor output
PSAN-01CA-NPT1/8					Analog current	
PSAN-01CH-NPT1/8					Hold/Auto shift input	
PSAN-01CPV-NPT1/8					Analog votage	PNP open collertor output
PSAN-01CPA-NPT1/8					Analog current	
PSAN-01CPH-NPT1/8					Hold/Auto shift input	
PSAN-1CV-NPT1/8			1MPa	Analog votage	NPN open collertor output	
PSAN-1CA-NPT1/8				Analog current		
PSAN-1CH-NPT1/8				Hold/Auto shift input		
PSAN-1CPV-NPT1/8				Analog votage	PNP open collertor output	
PSAN-1CPA-NPT1/8				Analog current		
PSAN-1CPH-NPT1/8				Hold/Auto shift input		
PSAN-C01CV-NPT1/8			100kPa	Analog votage	NPN open collertor output	
PSAN-C01CA-NPT1/8				Analog current		
PSAN-C01CH-NPT1/8				Hold/Auto shift input		
PSAN-C01CPV-NPT1/8				Analog votage	PNP open collertor output	
PSAN-C01CPA-NPT1/8				Analog current		
PSAN-C01CPH-NPT1/8				Hold/Auto shift input		

PRESSURE SENSOR

■Accessories (Sold separately)

Model	Price	Remark	
PSO-01	127,200	Pressure Panel Bracket	
PSO-2	84,800	Pressure Protection Cover	
PSO-B02	84,800	Pressure sensor panel mounting bracket	
PSO-P01	84,800	Pressure sensor front protection cover (transparent acrylic)	
PSO-Z01	63,600	M5 gender(PSAN series only)	
PSO-03	127,200	HOLDER BRACKET(IVORY)	

Rotary Encoder

■ø18mm Shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E18S2-300-1-N-5-R	300	2,123,604	ø2mm	A	NPN open collector	5 : 5VDC
E18S2-400-1-N-5-R	400	2,123,604			Voltage output	
E18S2-300-1-V-5-R	300	2,123,604			NPN open collector	
E18S2-400-1-V-5-R	400	2,123,604			Voltage output	
E18S2-100-1-N-5-S	100	1,722,924			NPN open collector	
E18S2-200-1-N-5-S	200	1,722,924			Voltage output	
E18S2-300-1-N-5-S	300	2,123,604			NPN open collector	
E18S2-400-1-N-5-S	400	2,123,604			Voltage output	
E18S2-100-1-V-5-S	100	1,722,924			NPN open collector	
E18S2-200-1-V-5-S	200	1,722,924			Voltage output	
E18S2-300-1-V-5-S	300	2,123,604			NPN open collector	
E18S2-400-1-V-5-S	400	2,123,604			Voltage output	
E18S2.5-300-1-N-5-R	300	2,123,604	ø2.5mm	A	NPN open collector	5 : 5VDC
E18S2.5-400-1-N-5-R	400	2,123,604			Voltage output	
E18S2.5-300-1-V-5-R	300	2,123,604			NPN open collector	
E18S2.5-400-1-V-5-R	400	2,123,604			Voltage output	
E18S2.5-100-1-N-5-S	100	1,722,924			NPN open collector	
E18S2.5-200-1-N-5-S	200	1,722,924			Voltage output	
E18S2.5-300-1-N-5-S	300	2,123,604			NPN open collector	
E18S2.5-400-1-N-5-S	400	2,123,604			Voltage output	
E18S2.5-100-1-V-5-S	100	1,722,924			NPN open collector	
E18S2.5-200-1-V-5-S	200	1,722,924			Voltage output	
E18S2.5-300-1-V-5-S	300	2,123,604			NPN open collector	
E18S2.5-400-1-V-5-S	400	2,123,604			Voltage output	

※Not indicated pulse in this chart is customizable.

※Cable : (R) Rear side outgoing cable type, (S) Side outgoing cable type

■ø20mm Shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E20S2-□-3-N-5, 12-R,S	100, 200	1,547,600	ø2mm	A,B,Z	NPN open collector	5: 5VDC
	320, 360	1,908,000			Voltage output	24: 12- 24VDC
E20S2-□-3-V-5, 12-R,S	100, 200	1,547,600		A, B, Z Ā, B̄, Z̄	Line Driver	
	320, 360	1,908,000				
E20S2-□-6-L-5-R,S	100, 200	1,547,600				
	320, 360	1,908,000				

※Not indicated pulse in this chart is customizable.

※Cable : (R) Rear side outgoing cable type, (S) Side outgoing cable type

Rotary Encoder

■ø20mm Hollow shaft built-in type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E20HB□-□-3-N-5, 12-R,S	100, 200	1,908,000	ø2mm	A,B,Z	NPN openCollector	5: 5VDC
	320, 360	2,268,400				
E20HB□-□-3-V-5, 12-R,S	100, 200	1,908,000		A, B, Z Ā, B̄, Z̄	Voltage output	24: 12- 24VDC
	320, 360	2,268,400				
E20HB□-□-6-L-5-R,S	100, 200	1,908,000		A, B, Z Ā, B̄, Z̄	Line Driver	
	320, 360	2,268,400				

※Not indicated pulse in this chart is customizable.

※Cable : (R) Rear side outgoing cable type, (S) Side outgoing cable type

■ø30mm Shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply	
E30S4-□-3-T-5, 24	100, 200, 360, 500	1,378,000	ø4mm	A,B,Z	Totem Pole	5: 5VDC	
	1000, 1024	1,653,600					
	3000	2,183,600					
E30S4-□-3-N-5, 24	100, 200, 360, 500	1,378,000			NPN openCollector		24: 12- 24VDC
	1000, 1024	1,653,600					
	3000	2,183,600					
E30S4-□-3-V-5, 24	100, 200, 360, 500	1,378,000		Voltage output			
	1000, 1024	1,653,600					
	3000	2,183,600					
E30S4-□-6-L-5	100, 200, 360, 500	1,378,000		A, B, Z A̅, B̅, Z̅	Line Driver		
	1000, 1024	1,653,600					
	3000	2,183,600					

※Not indicated pulse in this chart is customizable.

※Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C") (+190,000VND)

Rotary Encoder

■ø40mm Shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply	
E40S6-□-2-T-5, 24	1, 2, 5, 12	1,505,200	ø6mm (Standard) ø8mm (Option)	A,B	Totem Pole	5: 5VDC 24: 12- 24VDC	
E40S8-□-2-T-5, 24		1,696,000			NPN openCollector		
E40S6-□-2-N-5, 24		1,505,200					
E40S8-□-2-N-5, 24		1,696,000					
E40S6-□-2-V-5, 24		1,505,200					
E40S8-□-2-V-5, 24		1,696,000					
E40S6-□-4-L-5		1,505,200		A, B	Line Driver		
E40S6-□-3-T-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,505,200		A,B,Z	Totem Pole		
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,802,000					
	2000, 2048, 2500, 3000, 3600	1,971,600					
	5000	2,374,400					
E40S8-□-3-T-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,696,000			A,B,Z		Totem Pole
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,971,600					
	2000, 2048, 2500, 3000, 3600	2,120,000					
	5000	2,607,600					
E40S6-□-3-N-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,505,200		A,B,Z	NPN openCollector		
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,802,000					
	2000, 2048, 2500, 3000, 3600	1,971,600					
	5000	2,374,400					

Rotary Encoder

■ ø40mm Shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E40S8-□-3-N-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,696,000	ø6mm (Standard) ø8mm (Option)	A,B,Z	NPN openCollector	5: 5VDC 24: 12- 24VDC
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,971,600				
	2000, 2048, 2500, 3000, 3600	2,120,000				
	5000	2,607,600				
E40S6-□-3-V-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,505,200		A,B,Z	Voltage output	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,802,000				
	2000, 2048, 2500, 3000, 3600	1,971,600				
	5000	2,374,400				
E40S8-□-3-V-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,696,000		A,B,Z	Voltage output	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,971,600				
	2000, 2048, 2500, 3000, 3600	2,120,000				
	5000	2,607,600				
E40S6-□-6-L-5	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,802,000		A, B, Z	Line Driver	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,971,600				
	2000, 2048, 2500, 3000, 3600	2,120,000				
	5000	2,904,400				

Rotary Encoder

■ø40mm Shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E40S8-□-6-L-5	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150, 192,200,240,250, 256,300	1,971,600	ø6mm (Standard) ø8mm (Option)	A, B, Z	Line Driver	5: 5VDC
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,141,200				24: 12- 24VDC
	2000, 2048, 2500, 3000, 3600	2,332,000				
	5000	3,116,400				

※Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C") (+190,000VND)

※Additional cost will be applied to external diameter ø8mm shaft type models (Options).

■ø40mm Hollow shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E40H8-□-2-T-5, 24	1, 2, 5, 12	1,802,000	ø8mm (Standard)	A, B	Totem Pole	5: 5VDC
E40H□-□-2-T-5, 24		1,971,600			NPN openCollector	
E40H8-□-2-N-5, 24		1,802,000			Voltage output	
E40H□-□-2-N-5, 24		1,971,600		A, B	Line Driver	
E40H8-□-2-V-5, 24		1,802,000				
E40H□-□-2-V-5, 24		1,971,600				
E40H8-□-4-L-5		1,802,000				
E40H□-□-4-L-5		1,971,600				
E40H8-□-3-T-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150, 192,200,240,250, 256,300	1,802,000	ø6mm ø10mm ø12mm (Option)	A,B,Z	Totem Pole	24: 12- 24VDC
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,929,200				
	2000, 2048, 2500, 3000, 3600	2,014,000				
	5000	2,713,600				

Rotary Encoder

■ø40mm Shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E40H□-□-3-T-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,929,200	ø8mm (Standard)	A,B,Z	Totem Pole	5: 5VDC 24: 12- 24VDC
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,014,000				
	2000, 2048, 2500, 3000, 3600	2,077,600				
	5000	2,946,800				
E40H8-□-3-N-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,802,000		A,B,Z	NPN openCollector	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,929,200				
	2000, 2048, 2500, 3000, 3600	2,014,000				
	5000	2,713,600				
E40H□-□-3-N-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,929,200	ø6mm ø10mm ø12mm (Option)	A,B,Z	NPN openCollector	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,014,000				
	2000, 2048, 2500, 3000, 3600	2,077,600				
	5000	2,946,800				
E40H8-□-3-V-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,802,000		A,B,Z	Voltage output	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,929,200				
	2000, 2048, 2500, 3000, 3600	2,014,000				
	5000	2,713,600				

Rotary Encoder

■ø40mm Shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diameter	Output phase	Control output	Power supply
E40H□-□-3-V-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,929,200	ø8mm (Standard) ø6mm ø10mm ø12mm (Option)	A,B,Z	Voltage output	5: 5VDC 24: 12-24VDC
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,014,000				
	2000, 2048, 2500, 3000, 3600	2,077,600				
	5000	2,946,800				
E40H8-□-6-L-5	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	2,014,000		A, B, Z	Line Driver	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,077,600				
	2000, 2048, 2500, 3000, 3600	2,141,200				
	5000	3,158,800				
E40H□-□-6-L-5	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	2,077,600		A, B, Z	Line Driver	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,141,200				
	2000, 2048, 2500, 3000, 3600	2,226,000				
	5000	3,392,000				

※Additional cost will be applied to inner diameter option models.

※Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C") (+190,000VND)

Rotary Encoder

■ø40mm Hollow shaft built-in type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply	
E40HB8-□-2-T-5, 24	1, 2, 5, 12	1,802,000	ø8mm (Standard) ø6mm ø10mm ø12mm (Option)	A, B A̅, B̅	Totem Pole	5: 5VDC 24: 12- 24VDC	
E40HB□-□-2-T-5, 24		1,971,600					
E40HB8-□-2-N-5, 24		1,802,000			NPN openCollector		
E40HB□-□-2-N-5, 24		1,971,600					
E40HB8-□-3-T-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,802,000		A,B,Z	Totem Pole		
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,929,200					
	2000, 2048, 2500, 3000, 3600	2,014,000					
	5000	3,116,400					
E40HB□-□-3-T-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,929,200		A,B,Z	Totem Pole		
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,014,000					
	2000, 2048, 2500, 3000, 3600	2,077,600					
	5000	3,370,800					
E40HB8-□-3-N-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,802,000		A,B,Z	NPN openCollector		
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,929,200					
	2000, 2048, 2500, 3000, 3600	2,014,000					
	5000	3,116,400					

Rotary Encoder

■ø40mm Hollow shaft built-in type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E40HB□-□-3-N-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,929,200	ø8mm (Standard) ø6mm ø10mm ø12mm (Option)	A,B,Z	NPN open collector	5: 5VDC 24: 12- 24VDC
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,014,000				
	2000, 2048, 2500, 3000, 3600	2,077,600				
	5000	-				
E40HB8-□-3-V-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,802,000		A,B,Z	Voltage output	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	1,929,200				
	2000, 2048, 2500, 3000, 3600	2,014,000				
	5000	3,116,400				
E40HB□-□-3-V-5, 24	10,15,20,23,25,30,35,40,45,50,60,75,100,120,125, 150,192,200,240,250, 256,300	1,929,200		A,B,Z	Voltage output	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,014,000				
	2000, 2048, 2500, 3000, 3600	2,077,600				
E40HB8-□-6-L-5	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	2,014,000		A, B, Z	Line Driver	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,077,600				
	2000, 2048, 2500, 3000, 3600	2,141,200				
	5000	3,604,000				

Rotary Encoder

■ø40mm Hollow shaft built-in type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E40HB□-□-6-L-5	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	2,077,600	ø8mm (Standard) ø6mm ø10mm ø12mm (Option)	A, B, Z A, B, Z	Line Driver	5: 5VDC
	360,400,500,512,600,800, 1000,1024,1200,1500,1 800	2,141,200				24: 12- 24VDC
	2000, 2048, 2500, 3000, 3600	2,226,000				

※Additional cost will be applied to inner diameter option models.

※Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C") (+190,000VND)

■ø50mm Shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply	
E50S8-□-2-T-5, 24	1, 2, 5, 12	1,653,600	ø8mm□	A,B	Totem Pole	5: 5VDC 24: 12- 24VDC	
E50S8-□-2-N-5, 24		1,653,600			NPN openCollector		
E50S8-□-2-V-5, 24		1,653,600			Voltage output		
E50S8-□-4-L-5		1,653,600		A, B □	Line Driver		
E50S8-□-3-T-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,653,600		A,B,Z	Totem Pole		
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,014,000					
	5000	2,713,600					
	6000	2,883,200					
	8000	3,031,600					
E50S8-□-3-N-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,653,600		A,B,Z	NPN openCollector		
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,014,000					
	5000	2,713,600					
	6000	2,883,200					
	8000	3,031,600					

Rotary Encoder

■ø40mm Hollow shaft built-in type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E50S8-□-3-V-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250, 256,300	1,653,600	ø8mm□	A,B,Z	Voltage output	5: 5VDC 24: 12- 24VDC
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,014,000				
	5000	2,713,600				
	6000	2,883,200				
	8000	3,031,600				
E50S8-□-6-L-5	10,15,20,23,25,30,35,40,45,5 0,60,75,100,120,125,150,192 ,200,240,250, 256,300	2,014,000		A, B, Z □	Line Driver	
	360,400,500,512,600,800, 1000,1024,1200,1500, 1800	2,332,000				
	5000	3,074,000				
	6000	3,222,400				
	8000	3,370,800				

※Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C") (+190,000VND)

※Additional cost will be applied to rear outgoing-cable type models (Options).(Model"-CR") (+190,000VND)

※Additional cost will be applied to side outgoing-cable type models (Options).(Model"-CS") (+190,000VND)

■Absolute type multi-turn rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
EPM50S8-1013-B-PN-24	1024, 8192	4,494,400	ø50mm	BINARY	NPN openCollector	12- 24VDC
EPM50S8-1013-B-PN-24-S	1024, 8192	4,494,400		BINARY	Line Driver	
EPM50S8-1013-B-S-24	1024, 8192	4,494,400		24bit, BINARY	NPN openCollector	
EPM50S8-1013-B-S-24-S	1024, 8192	4,494,400		24bit, BINARY	Line Driver	

Rotary Encoder

■ø58mm Shaft type, Incremental rotary encoder(Clamping incremental type)

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E58SC10-□-2-T-5, 24	1, 2, 5, 12	2,204,800	ø10mm	A,B	Totem Pole	5: 5VDC 24: 12- 24VDC
E58SC10-□-2-N-5, 24		2,204,800			NPN openCollector	
E58SC10-□-2-V-5, 24		2,204,800			Voltage output	
E58SC10-□-4-L-5		2,204,800		A, B $\bar{A}$, $\bar{B}$	Line Driver	
E58SC10-□-3-T-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,204,800		A,B,Z	Totem Pole	
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,565,200				
	5000	3,095,200				
	6000	3,434,400				
	8000	3,604,000				
E58SC10-□-3-N-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,204,800		A,B,Z	NPN openCollector	
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,565,200				
	5000	3,095,200				
	6000	3,434,400				
	8000	3,604,000				
E58SC10-□-3-V-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,204,800		A,B,Z	Voltage output	
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,565,200				
	5000	3,095,200				
	6000	3,434,400				
	8000	3,604,000				

Rotary Encoder

■ø58mm Shaft type, Incremental rotary encoder(Clamping incremental type)

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E58SC10-□-6-L-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,80 0	2,565,200	ø10mm	A, B, Z $\overline{A}, \overline{B}, \overline{Z}$	Line Driver	5: 5VDC 24: 12- 24VDC
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,883,200				
	5000	3,625,200				
	6000	3,773,600				
	8000	3,943,200				

※Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C") (+190,000VND)

※Additional cost will be applied to rear outgoing-cable type models (Options).(Model"-CR") (+190,000VND)

※Additional cost will be applied to side outgoing-cable type models (Options).(Model"-CS") (+190,000VND)

■ø58mm Shaft type, Incremental rotary encoder(Synchro incremental type)

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E58SS6-□-2-T-5, 24	1, 2, 5, 12	2,204,800	ø6mm	A,B	Totem Pole	5: 5VDC 24: 12- 24VDC
E58SS6-□-2-N-5, 24		2,204,800			NPN openCollector	
E58SS6-□-2-V-5, 24		2,204,800			Voltage output	
E58SS6-□-4-L-5,24		2,204,800		A, B $\overline{A}, \overline{B}$	Line Driver	
E58SS6-□-3-T-5,24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,80 0	2,204,800	ø6mm	A,B,Z	Totem Pole	5: 5VDC 24: 12- 24VDC
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,565,200				
	5000	3,095,200				
	6000	3,434,400				
	8000	3,604,000				

Rotary Encoder

■ø58mm Shaft type, Incremental rotary encoder(Synchro incremental type)

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply	
E58SS6-□-3-N-5,24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,80 0	2,204,800	ø6mm	A,B,Z	NPN open collector	5: 5VDC 24: 12- 24VDC	
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,565,200					
	5000	3,095,200					
	6000	3,434,400					
	8000	3,604,000					
E58SS6-□-3-V-5,24	10,15,20,23,25,30,35,40,45,5 0,60,75, 100,120,125,150,192,200,24 0,250,256, 300,360,400,500,512,600,80 0	2,204,800		A,B,Z	Voltage output		
	1000, 1024, 1200, 1500, 2000, 2048 2500 3000 3600	2,565,200					
	5000	3,095,200					
	6000	3,434,400					
	8000	3,604,000					
E58SS6-□-6-L-5,24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,80 0	2,565,200		A, B, Z ≡ ≡ ≡	Line Driver		
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,883,200					
	5000	3,625,200					
	6000	3,773,600					
	8000	3,943,200					

※Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C") (+190,000VND)

※Additional cost will be applied to rear outgoing-cable type models (Options).(Model"-CR") (+190,000VND)

※Additional cost will be applied to side outgoing-cable type models (Options).(Model"-CS") (+190,000VND)

Rotary Encoder

■ø58mm Hollow shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply	
E58H12-□-2-T-5,24	1, 2, 5, 12	2,374,400	ø12mm	A,B	Totem Pole	5: 5VDC 24: 12- 24VDC	
E58H12-□-2-N-5,24		2,374,400			NPN openEollector		
E58H12-□-2-V-5,24		2,374,400			Voltage output		
E58H12-□-4-L-5,24		2,374,400		A,B $\overline{A}$, $\overline{B}$	Line Driver		
E58H12-□-3-T-5,24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,374,400		A,B,Z	Totem Pole		
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,734,800					
	5000	3,286,000					
E58H12-□-3-N-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,374,400		A,B,Z	NPN openEollector		
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,734,800					
	5000	3,286,000					
E58H12-□-3-V-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,374,400		A,B,Z	Voltage output		
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,734,800					
	5000	3,286,000					
E58H12-□-6-L-5,24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,734,800		A, B, Z $\overline{A}$, $\overline{B}$, $\overline{Z}$	Line Driver		
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	3,074,000					
	5000	3,794,800					

※In case of connector outgoing-cable type (Option) (Model"-C")(+190,000VND)

Rotary Encoder

■ø58mm Hollow shaft built-in type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply	
E58HB12-□-2-T-5,24	1, 2, 5, 12	2,374,400	ø12mm	A,B	Totem Pole	5: 5VDC 24: 12- 24VDC	
E58HB12-□-2-N-5,24		2,374,400			NPN openCollector		
E58HB12-□-2-V-5, 24		2,374,400			Voltage output		
E58HB12-□-4-L-5		2,374,400		A, B $\bar{A}$, $\bar{B}$	Line Driver		
E58HB12-□-3-T-5,24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,374,400		A,B,Z	Totem Pole		
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,734,800					
	5000	3,286,000					
E58HB12-□-3-N-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,374,400		A,B,Z	NPN openCollector		
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,734,800					
	5000	3,286,000					
E58HB12-□-3-V-5, 24	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,374,400		A,B,Z	Voltage output		
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,734,800					
	5000	3,286,000					
E58HB12-□-6-L-5	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	2,734,800		A, B, Z	Line Driver		
	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	3,074,000					
	5000	3,816,000					

※Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C")(+190,000VND)

※Additional cost will be applied to rear outgoing-cable type models (Options).(Model"-CR")(+190,000VND)

※Additional cost will be applied to side outgoing-cable type models (Options).(Model"-CS")(+190,000VND)

Rotary Encoder

■ø60mm Hollow shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E60H20-□-3-T-5,24	5000	4,049,200	ø20mm	A, B, Z	Totem Pole	5: 5VDC
E60H20-□-3-N-5,24		4,049,200			NPN open Collector	
E60H20-□-3-V-5,24		4,049,200			Voltage Output	
E60H20-□-6-L-5		4,049,200		A, B, Z	Line Driver	
E60H20-□-3-T-5,24	8192	4,218,800		A, B, Z	Totem Pole	24: 12- 24VDC
E60H20-□-3-N-5,24		4,218,800			NPN open Collector	
E60H20-□-3-V-5,24		4,218,800			Voltage Output	
E60H20-□-6-L-5		4,218,800		A, B, Z	Line Driver	

※Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C")(+190,000VND)

※Not indicated pulse in this chart is customizable.

■ø68mm Shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E68S15-1024-6-L-5	1024	3,582,800	ø15mm	A, B, Z A, B, Z	Line Driver	5VDC

■ø80mm Hollow shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E80H30-□-3-T-5,24	60, 100, 360, 500, 512	3,222,400	ø30mm (Standard)	A, B, Z	Totem Pole	5: 5VDC
E80H30-□-3-T-5,24	1024, 3200	4,282,400			NPN open Collector	
E80H30-□-3-N-5,24	60, 100, 360, 500, 512	3,222,400			Voltage output	
E80H30-□-3-V-5,24	1024, 3200	4,282,400		A, B, Z ---	Line Driver	24: 12- 24VDC
E80H30-□-6-L-5	60, 100, 360, 500, 512	3,222,400				
E80H30-□-6-L-5	1024, 3200	4,282,400				
E80H32-□-3-T-5,24	60, 100, 360, 500, 512	3,222,400	ø32mm (Option)	A, B, Z	Totem Pole	5: 5VDC
E80H32-□-3-T-5,24	1024, 3200	4,282,400			NPN open Collector	
E80H32-□-3-N-5,24	60, 100, 360, 500, 512	3,222,400			Voltage output	24: 12- 24VDC
E80H32-□-3-V-5,24	1024, 3200	4,282,400		A, B, Z ---	Line Driver	
E80H32-□-6-L-5	60, 100, 360, 500, 512	3,222,400				
E80H32-□-6-L-5	1024, 3200	4,282,400				

※Inner Diameter ø32mm is an Optional.

※Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C")(+190,000VND)

Rotary Encoder

■ø100mm Hollow shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
E100H35-□-3-T-5,24	512, 1024	5,808,800	ø35mm	A, B,Z	Totem Pole	5: 5VDC
	10000	6,444,800			NPN openEollector	
E100H35-□-3-N-5, 24	512, 1024	5,808,800			Voltage output	24: 12- 24VDC
	10000	6,444,800				
E100H35-□-3-V-5, 24	512, 1024	5,808,800		A, B, Z	Line Driver	
	10000	6,444,800				
E100H35-□-6-L-5	512, 1024	6,296,400				
	10000	6,593,200				

※Not indicated pulse in this chart is customizable.

■Side-mounting shaft type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply	
ENA-□-2-T-5, 24 (Standard)	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	1,653,600	ø10mm	A, B (Standard) A, B, Z (Option)	Totem Pole	5: 5VDC 24: 12- 24VDC	
ENA-□-3-T-5, 24 (option)	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,014,000					
	5000	2,289,600					
ENA-□-2-N-5, 24 (Standard)	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	1,653,600			NPN openCollector		
ENA-□-3-N-5, 24 (option)	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,014,000					
	5000	2,480,400					
ENA-□-2-V-5, 24 (Standard)	10,15,20,23,25,30,35,40, 45,50,60,75,100,120,125,150 ,192,200,240,250,256, 300,360,400,500,512,600,800	1,653,600			Voltage output		
ENA-□-3-V-5, 24 (option)	1000, 1024, 1200, 1500, 2000, 2048, 2500, 3000, 3600	2,014,000					
	5000	2,480,400					

※A, B, Z phase output type is an optional and 1, 2, 5, 12 P/R are not available.

※ Connector cable is provided with the products.

Rotary Encoder

■Wheel type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Wheel circumf	Output phase	Control output	Power supply
ENC-1-1-T-5,24	1mm	1,908,000	250mm	A, B	Totem Pole	5: 5VDC 24: 12- 24VDC
ENC-1-2-T-5, 24	1cm	1,908,000				
ENC-1-3-T-5, 24	1m	1,908,000				
ENC-1-4-T-5, 24	0.01yd	1,908,000	0.25yd			
ENC-1-5-T-5, 24	0.1yd	1,908,000				
ENC-1-6-T-5, 24	1yd	1,908,000				
ENC-1-1-N-5,24	1mm	1,908,000	250mm		NPN openCollector	
ENC-1-2-N-5, 24	1cm	1,908,000				
ENC-1-3-N-5, 24	1m	1,908,000				
ENC-1-4-N-5, 24	0.01yd	1,908,000	0.25yd			
ENC-1-5-N-5, 24	0.1yd	1,908,000				
ENC-1-6-N-5, 24	1yd	1,908,000				
ENC-1-1-V-5,24	1mm	1,908,000	250mm		Voltage output	
ENC-1-2-V-5, 24	1cm	1,908,000				
ENC-1-3-V-5, 24	1m	1,908,000				
ENC-1-4-V-5, 24	0.01yd	1,908,000	0.25yd			
ENC-1-5-V-5, 24	0.1yd	1,908,000				
ENC-1-6-V-5, 24	1yd	1,908,000				

※ Additional cost will be applied to connector outgoing-cable type models (Options).(Model"-C")(+190,000VND)

■Manual handle type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Output phase	Control output	Power supply	
ENH-25-1-T-5,24	25	2,141,200	A, B	Totem Pole	5: 5VDC 24: 12-24VDC	
ENH-25-2-T-5,24		2,141,200				
ENH-100-1-T-5,24	100	2,183,600				
ENH-100-2-T-5,24		2,183,600				
ENH-25-1-V-5,24	25	2,141,200	A, B	Voltage output		
ENH-25-2-V-5,24		2,141,200				
ENH-100-1-V-5,24	100	2,183,600				
ENH-100-2-V-5,24		2,183,600				
ENH-25-1-L-5,24	25	2,141,200	A, B	Line Driver		
ENH-25-2-L-5,24		2,141,200				
ENH-100-1-L-5,24	100	2,247,200				
ENH-100-2-L-5,24		2,247,200				

Rotary Encoder

■Portabel handle type, Incremental rotary encoder

Model	Resolution(P/R)	Price	Output phase	Control output	Power supply	
ENHP-100-1-L-5	100	11,469,200	A, B	Line Driver	5:5VDC	
ENHP-100-2-L-5		11,469,200	$\bar{A}$, $\bar{B}$			

■ø50mm Shaft type, Absolute rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply	
EP50S8-□-1R-P-5,24	45 64 90 128 180 256 360 512 720 1024	2,395,600	ø8mm	BCD	PNP openCollector	5: 5VDC	
EP50S8-□-1F-P-5,24		2,395,600		BINARY			
EP50S8-□-2R-P-5,24		2,395,600					
EP50S8-□-2F-P-5,24		2,395,600					
EP50S8-□-3R-P-5,24		2,395,600		GRAY			
EP50S8-□-3F-P-5,24		2,395,600		BCD	NPN openCollector	24: 12- 24VDC	
EP50S8-□-1R-N-5,24		2,395,600					
EP50S8-□-1F-N-5,24		2,395,600					
EP50S8-□-2R-N-5,24		2,395,600					BINARY
EP50S8-□-2F-N-5,24		2,395,600					GRAY
EP50S8-□-3R-N-5,24		2,395,600					
EP50S8-□-3F-N-5,24		2,395,600					

※ Low resolution type models are scheduled for release (6,8,12,16,24,32,40 division)

■ø58mm Shaft type, Absolute rotary encoder(Clamping absolute type)

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
EP58SC10-□-1R-P-5,24	45 64 90 128 180 256 360 512 720 1024	4,218,800	ø10mm	BCD	PNP openCollector	5: 5VDC
EP58SC10-□-1F-P-5,24		4,218,800		BINARY		
EP58SC10-□-2R-P-5,24		4,218,800				
EP58SC10-□-2F-P-5,24		4,218,800				
EP58SC10-□-3R-P-5,24		4,218,800				
EP58SC10-□-3F-P-5,24		4,218,800				
EP58SC10-□-1R-N-5,24		4,218,800		BCD	NPN openCollector	24: 12- 24VDC
EP58SC10-□-1F-N-5,24		4,218,800		BINARY		
EP58SC10-□-2R-N-5,24		4,218,800				
EP58SC10-□-2F-N-5,24		4,218,800				
EP58SC10-□-3R-N-5,24		4,218,800				
EP58SC10-□-3F-N-5,24		4,218,800				

Rotary Encoder

■ø58mm Shaft type, Absolute rotary encoder(Synchro absolute type)

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply		
EP58SS6-□-1R-P-5,24	45 64 90 128 180 256 360 512 720 1024	4,218,800	ø6mm	BCD	PNP openCollector	5: 5VDC		
EP58SS6-□-1F-P-5,24		4,218,800						
EP58SS6-□-2R-P-5,24		4,218,800						
EP58SS6-□-2F-P-5,24		4,218,800						
EP58SS6-□-3R-P-5,24		4,218,800		GRAY				
EP58SS6-□-3F-P-5,24		4,218,800						
EP58SS6-□-1R-N-5,24		4,218,800		BCD	NPN openCollector	24: 12- 24VDC		
EP58SS6-□-1F-N-5,24		4,218,800						
EP58SS6-□-2R-N-5,24		4,218,800						
EP58SS6-□-2F-N-5,24		4,218,800						
EP58SS6-□-3R-N-5,24		4,218,800		GRAY				
EP58SS6-□-3F-N-5,24		4,218,800						

■ø60mm Shaft type, Absolute rotary encoder

Model	Resolution(P/R)	Price	Shaft diamet	Output phase	Control output	Power supply
ENP-111R-□-P	6	4,282,400	ø10mm	BCD	PNP openCollector	12- 24VDC
ENP-111F-□-P	8	4,282,400				
ENP-101R-□-N	12	4,282,400				
ENP-101F-□-N	16	4,282,400				
	24	4,282,400			PNP openCollector	5-12VDC
ENP-110R-360-P	360	4,282,400				
ENP-110F-360-P		4,282,400				
ENP-100R-360-N		4,282,400			NPN openCollector	
ENP-100F-360-N		4,282,400				

■Connector cable

Model		Price	Cable length	Application
CID6S-2		360,400	2m	Totempole, NPN open collector, Voltage
CID6S-5		508,800	5m	
CID6S-10		657,200	10m	
CID9S-2		445,200	2m	Line driver output
CID9S-5		551,200	5m	
CID9S-10		720,800	10m	
CID13S-2		508,800	2m	Cam positioner
CID13S-5		614,800	5m	
CID13S-10		826,800	10m	

Rotary Encoder

■Connector connection cable

Model		Price	Cable Length	Application
CID13S-2-SI		805,600	2m	Cam positioner
CID13S-5-SI		911,600	5m	
CID13S-10-SI		1,081,200	10m	

■Accessories (Sold separately)

Model		Price	Remark
ENA cable		254,400	4 holes connector cable(2m)
		254,400	5holes connector cable(2m)
E50S bracket		275,600	
Pulley 250mm		148,400	ENC wheel (Price per one product)
Pulley 0.25yd		148,400	
ø4 coupling		84,800	For E30S
ø6 coupling		84,800	For E40S, E58SS, EP58SS
ø8 coupling		84,800	For E50S, EP50S
ø10 coupling		84,800	For E58SC, ENA, EP58SC, ENP

Digital Remote

Model	Price	I/O type	I/O contacts	input/output type	Structural division	
ARD-DI08A	2,501,600	input	8 point	AC input	Standard	
ARD-DI08AE	2,077,600				Expansion	
ARD-DO08R	2,501,600	output		Relay out	Standard	
ARD-DO08RE	2,077,600				Expansion	
ARD-DO08S	5,003,200			SSR out	Standard	
ARD-DO08SE	4,155,200				Expansion	
ARD-DI16N	2,501,600	input	16 point	NPN open collector output	Standard	
ARD-DI16NE	2,077,600				Expansion	
ARD-DO16N	3,116,400	output			PNP open collector output	Standard
ARD-DO16NE	2,501,600					Expansion
ARD-DO16P	3,328,400			PNP open collector output	Standard	
ARD-DO16PE	2,713,600				Expansion	
ARD-DX16N	2,904,400	I/O intrgrated type		NPN open collector output	Standard	
ARD-DX16NE	2,289,600				Expansion	
ARD-DX16P	2,904,400			PNP open collector output	Standard	
ARD-DX16PE	2,289,600				Expansion	
ARD-DI16P	2,501,600	input				Standard
ARD-DI16PE	2,077,600					Expansion

Digital Remote (Sensor Connector)

Model	Price	I/O type	I/O contacts	input/output type	Structural division
ARD-DI08N-4S	2,035,200	input	8 point	NPN open collector output	Standard
ARX-DI08N-4S	1,738,400				Expansion
ARD-DI08P-4S	2,035,200			PNP open collector output	Standard
ARX-DI08P-4S	1,738,400				Expansion
ARD-DO08N-4S	2,289,600	output		NPN open collector output	Standard
ARX-DO08N-4S	2,035,200				Expansion
ARD-DO08P-4S	2,289,600			PNP open collector output	Standard
ARX-DO08P-4S	2,035,200				Expansion

Digital Remote (Sensor Connector)

Model	Price	I/O type	I/O contacts	input/output type	Structural division
ARM-DI08N-4S	2,035,200	input	8 point	NPN open collector output	Standard
ARM-DI08P-4S	2,035,200			PNP open collector output	
ARM-DO08N-4S	2,035,200	output		NPN open collector output	
ARM-DO08P-4S	2,035,200			PNP open collector output	