

HY-1020 Series

Hoist switch

- Applied to the hoist, crane, power lift of truck, electric lift and etc
- Case is made of the ABS copolymer which has an excellent mechanical intensity and excellent electrical features. Due to the fact, it has an excellent durability from the shock, it is light weight and it protects from the electric shock.
- Manufactured an emergency switch attachment type that can cut OFF the operation power.
- Various contact unit composition which makes to select an electric motor velocity controlling 2 Positions contact unit lock-up, seesaw and momentary operation contact unit.
- Various push buttons so wide application possible



●● Suffix code

Model	Code				Description
HY-102	☐	☐	☐	☐	Hoist switch
No. of switch	2				2
	4				4
	6				6
	8				8
	9				9
Emergency button					No
	S				Yes
Switch unit type	A	A	A	A	102A contact unit
	B	B	B	B	102B contact unit
	C	C	C	C	102C contact unit
	D	D	D	D	102D contact unit
	E	E	E	E	102E contact unit

※ Within the switch unit type, AAAA indication means 4 switch units.

●● Standard model

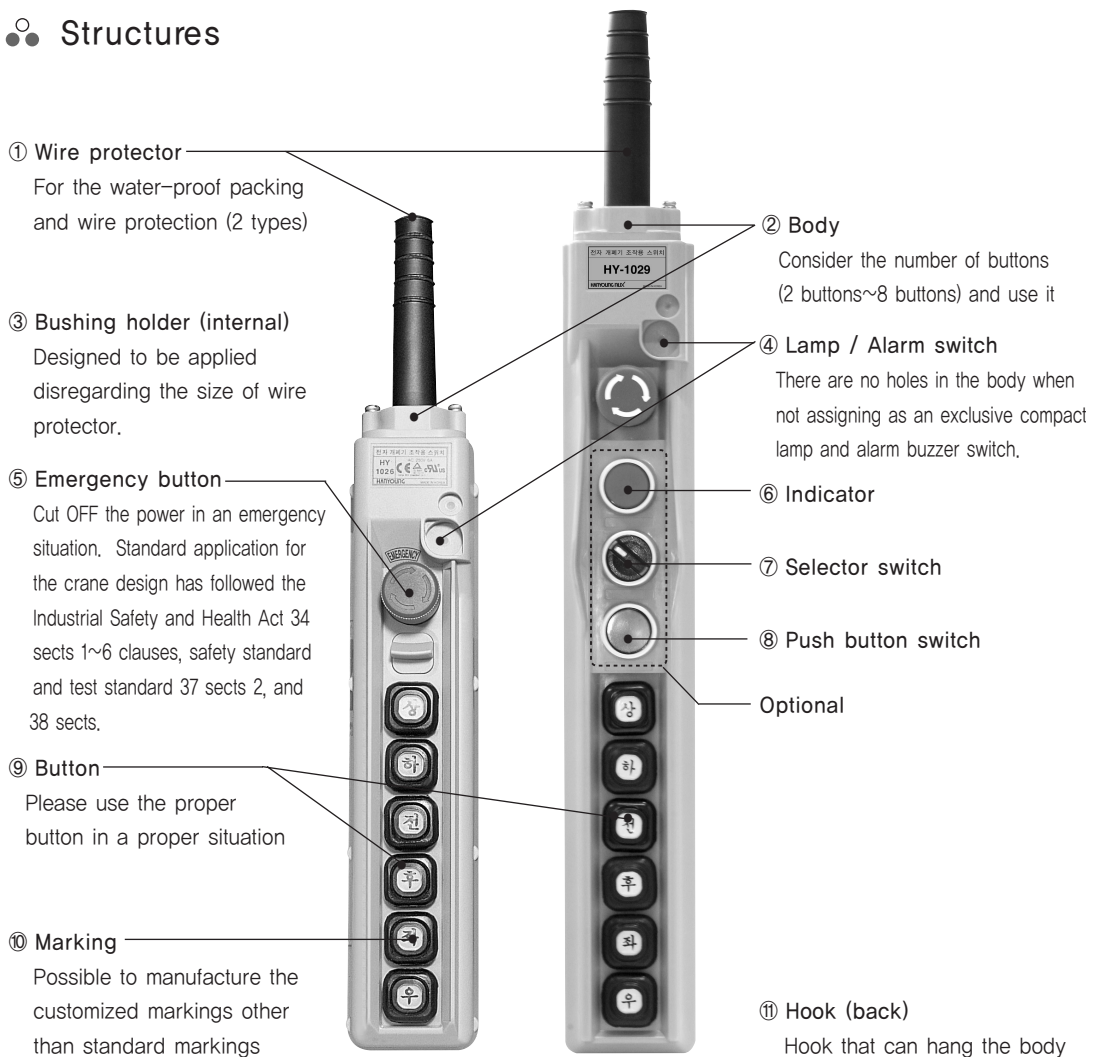
※ L : large size cover

Model	No. of buttons	Standard button marking	Cable bushing
HY-1022B	2	Up down	A (Ø10.3 – 13.5) Black rubber angle 40°
HY-1022SB(L)	3 (Included the emergency button)		
HY-1024AB	4	ON OFF Up down	
HY-1024BB	4	Up down forward back	
HY-1024SBB(L)	5 (Included the emergency button)		
HY-1026ABB	6	ON OFF Up down forward back	A (Ø16.3 – 19.5) Black rubber angle 40°
HY-1026BBB	6	Up down forward back left right	
HY-1026SBBB	7 (Included the emergency button)	Up down forward back left right	
HY-1026SBBB-L	7 (Included the emergency button)	(※ Please refer to the cover size for the L type)	
HY-1028ABBB	8	ON OFF Up down forward back left right	
HY-1029SBBB	10(Included the emergency button)	Indicator, selector, push button Up down forward back left right	Possible to change the specification

Button marking types

Standard specification	OFFONUpdownforwardbackleftright동서남북												
Order-made specification	ON上下左右東西南北前後열림닫힘												
	OFFUPDWESNRLCODN⬆️↶⬆️↷												

Structures


Control switch
Combination display light

Power switch
Main switch
Cam switch

Limit switch
Micro switch

Hoist switch
Foot switch
Mono lever switch

Sign tower
Signal light

Buzzer
Terminal block
Fuse holder

Control box
Cable connector

Discontinued Products

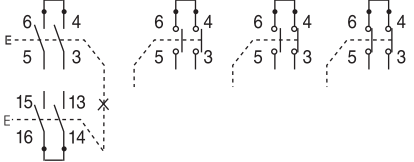
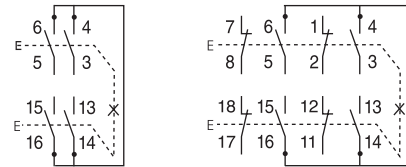
Specification

Rated current	6 A 250 V a.c
	10 A 250 V a.c emergency switch (push lock–turn reset)
Insulation resistance	100 M Ω (500 V d.c)
Dielectric strength	2000 V a.c. for 1 min (between the recharging part and non–recharging part)
Protective structure	IP–66 suitable (exclude the emergency switch attachment type)
Materials	Case : strong shock resistance ABS copolymer
	Button and wire protector : special rubber
Vibration resistance	10 – 55 Hz double amplitude 1.0 mm
Shock resistance	500 m/s ²
Ambient temperature	–10 ~ 45 °C
Ambient humidity	45 ~ 85 % R.H.

Contact unit

Model	Appearance	Contact composition			Explanation
102 A		102A10 (1a)	102A11 (1a1b)		※ On/Off switch • Pressing the On button will turn ON the power and self–maintenance will be performed • Pressing the Off button will turn OFF the power.
102 B		102B20 (1a–1a)	102B22 (1a1b–1a1b)		※ Up/Down, forward/back, left/right • This is for the typical circuit. It is a seesaw type so pressing it synchronously is impossible
102 C		102C11 (1a–1b)	102C20 (1a–1a)	102C22 (1a1b–1a1b)	※ Typical circuit • No mechanical interlock is included, so two buttons can be operated independently.

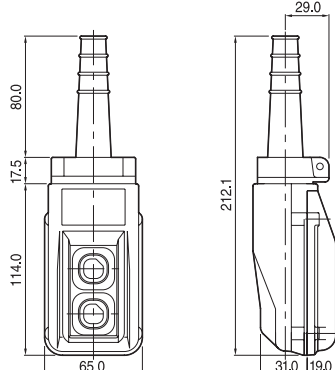
HY-1020 series

Model	Appearance	Contact composition	Explanation
102 D		102D(2a-2a) neutrality 1 position 2 positions 	※ 2 stages switch • Contact separated in 2 stages and operated • Velocity controlling, 2 circuits controlling • Seesaw type so pressing it synchronously is impossible
102 E		102E20 (2a-2a) 102E22 (2a2b-2a2b) 	※ Typical circuit • Max 2a2b-2a2b, 2a-2b • Seesaw type so it is impossible to press it synchronously

●● Contact unit (emergency switch)

Model	Appearance	Contact composition	Explanation
102 S			※ Emergency switch (Red) (Push lock-turn reset) • Cut off the power when pressing the button (becomes self-maintenance) • It will return once rotating the button to the printing direction.

●● Dimension (unit : mm)

Model	Appearance	Dimension
HY-1022 B		

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Combination display light

Power switch
Main switch
Cam switch

Limit switch
Micro switch

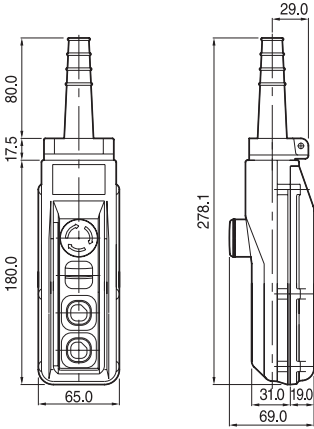
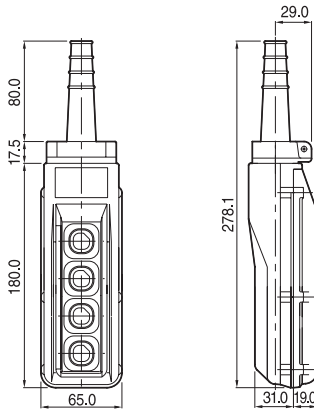
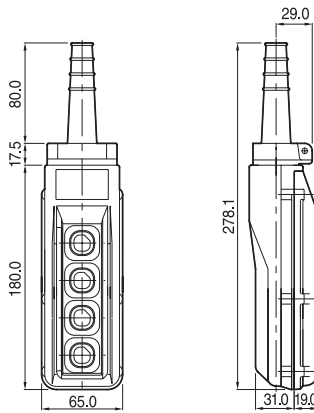
Hoist switch
Foot switch
Mono lever switch

Sign tower
Signal light

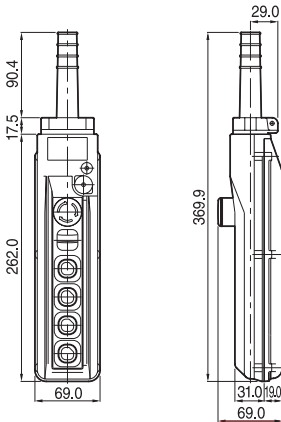
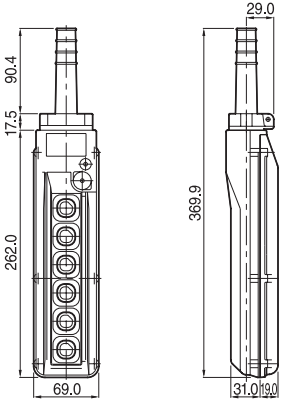
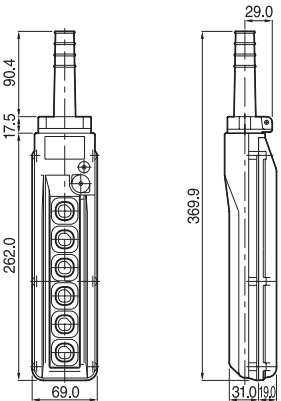
Buzzer
Terminal block
Fuse holder

Control box
Cable connector

Discontinued Products

Model	Appearance	Dimension
HY-1022 SB		
HY-1024 AB		
HY-1024 BB		

HY-1020 series

Model	Appearance	Dimension
HY-1024 SBB		 Front view dimensions: 29.0 (width), 90.4 (height), 17.5 (button height), 262.0 (body length), 69.0 (base width). Side view dimensions: 29.0 (width), 369.9 (depth), 31.0 (button depth), 69.0 (base width).
HY-1026 ABB		 Front view dimensions: 29.0 (width), 90.4 (height), 17.5 (button height), 262.0 (body length), 69.0 (base width). Side view dimensions: 29.0 (width), 369.9 (depth), 31.0 (button depth), 69.0 (base width).
HY-1026 BBB		 Front view dimensions: 29.0 (width), 90.4 (height), 17.5 (button height), 262.0 (body length), 69.0 (base width). Side view dimensions: 29.0 (width), 369.9 (depth), 31.0 (button depth), 69.0 (base width).

Control
switch
Combination
display light

Power switch
Main switch
Cam switch

Limit switch
Micro switch

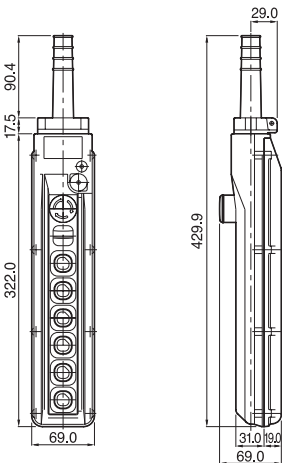
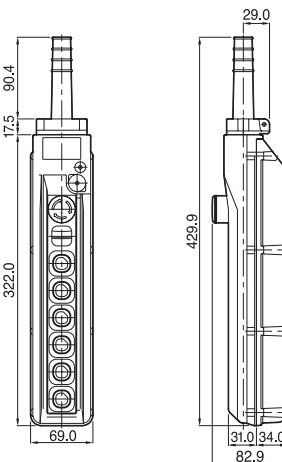
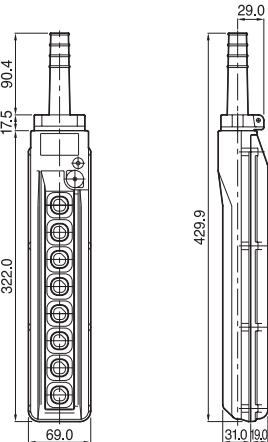
Hoist switch
Foot switch
Mono lever switch

Sign tower
Signal light

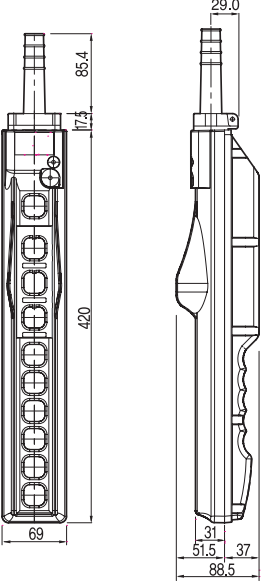
Buzzer
Terminal block
Fuse holder

Control box
Cable connector

Discontinued
Products

Model	Appearance	Dimension
HY-1026 SBBB		
HY-1026 SBBB-L (L : large cover)		
HY-1028 ABBB		

HY-1020 series

Model	Appearance	Dimension
HY-1029 SBBB		

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