

functions

Opens or closes a contact when the photo-cell detects that an adjustable brightness threshold has been reached.

description

IC200**technical data**

- brightness threshold: adjustable from 2 to 200 lux
- photo-cell: "panel front face" type (IP54) supplied
- time delay before switch ON and switch OFF ≥ 40 s
- luminosity monitoring: light goes on when threshold is reached
- connection: tunnel terminals for cables up to 6 mm²
- contact ratings:
 - 10 A: p.f. = 1
 - 6 A: p.f. = 0.6
- consumption: 3 VA
- operating temperature: -10 to +50 °C

IC2000**technical data**

- brightness threshold: 2 adjustable thresholds: 2 to 35 lux or 35 to 2000 lux
- photo-cell (IP54): supplied with mounting bracket
- luminosity: monitoring light goes on when threshold is reached
- time delay: before switch ON and switch OFF ≥ 80 s
- other technical data: same as IC200

IC2000P

combination of an IC2000 type light sensitive switch and a single-channel programmable time switch.

technical data

- light detection part: same as IC2000
- time switch part: same as IHP (cat. No 15354)
- autonomy: 6 years
- continuous liquid crystal display of:
 - time (hours and minutes)
 - day of the week, week
 - switching status
- minimum programming interval: 1 minute
- memory: 42 settings
- program: 24 hours and 7 days
- "summer-winter" time changes: a single operation without modifying the program
- easy program control:
 - forced "on" or "off" overrides (1)
 - advanced switching (1)
 - setting deletion to modify or remove a sequence
- holiday override: 1 to 45 days
- operating temperature: -10...+50 °C

(1) If the brightness threshold is less than the threshold setting.

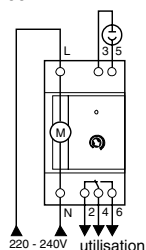
catalogue numbers



15284

type

IC200



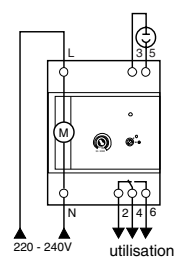
cat. No.

width
in mod.
of 9 mm

15284

5

IC2000



15368

7

catalogue numbers



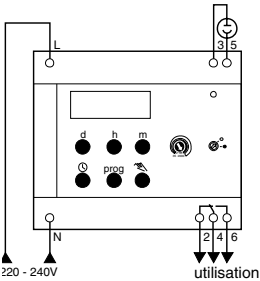
15286

type

cat. No. width
in mod.
of 9 mm

IC2000P

15286 10



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additional
information

dimensions: page 90149/2

application guide: page 92310/2

mounting the «switchboard front face» type cell, catalogue number 15281

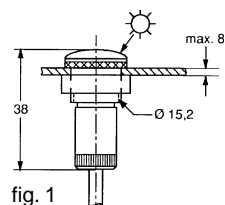


fig. 1

fixing the «wall» type cell, catalogue number 15268

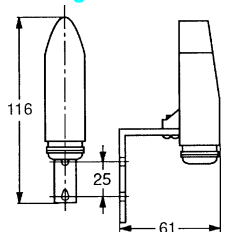


fig. 2

connecting light sensitive switches

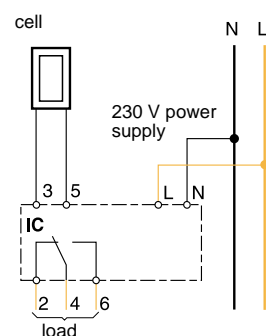
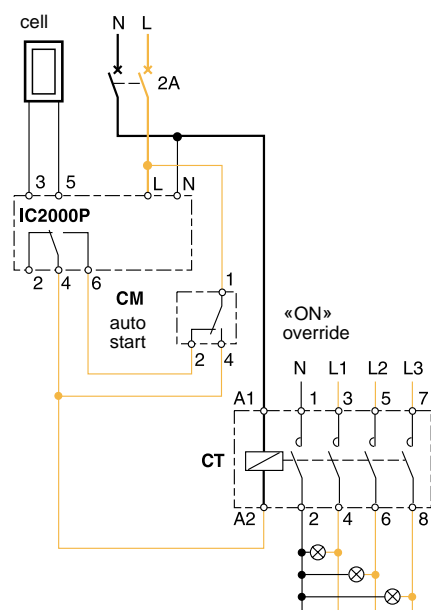


fig. 3

connecting the IC2000P + contactor for > 1000 W power loads



use

Light sensitive switches can directly control:

load type	max. P
incandescent lamp	1 000 W
230 V halogen lamp	1 000 W
fluorescent lamp:	
not corrected/	
series correction	800 W
parallel correction	200 W
dual connection	800 W

HP vapour lamp: relay by contactor

Note: for higher power loads, relaying by contactor is compulsory: see figure 4.

practical example

switching on shop window lighting in the evening at a time varying according to brightness, and switching it off at a fixed time (e.g. 11 pm). Then in the morning, switching on lighting at a fixed time (e.g. 6 am) and switching it off at a time varying according to brightness.

installation

■ IC 2000P

To ensure proper operation, this switch must not be placed near magnetic circuit devices (transformers, contactors, machines, etc.), see page 92315/2

■ photocell:

□ «switchboard front face» type: see fig. 1

□ «wall» type: see fig. 2

- fixed externally in vertical position by 2 Ø 4 mm screws

- degree of protection: IP 54.

connection (fig. 3)

■ do not insert cell connecting cables (100 m maximum) with 230 V AC power conductors

■ on energisation, the current flows via the output contact between terminals 2 and 4.

programming the IC2000P

A built-in programmable clock is used for programming.

■ programming options:

□ 24 hours and 7 days: a separate

programme for each day of the week

□ 36 memorised switching operations

□ the same switching operation used over several days counts as only one switching operation

□ power reserve: 6 years.