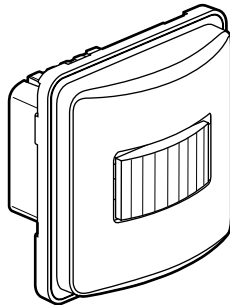


Soliroc™ IK 10 high resistance Automatic switches

Cat. No(s): 778 25/27



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1. USE

Infrared automatic switches, with or without neutral, are part of the new SOLIROC IK 10 programme and guarantee robust impact resistance in environments that are hazardous or unsupervised, whether indoors or outdoors (warehouses, public buildings, motorway services, offices, shops, schools, prisons, etc.).

The 5 commitments of the SOLIROC range

Security: The IK 10 rating (20 joule impact force) guarantees optimal impact resistance and protection against vandalism. It is impossible to tear off a SOLIROC switch due to the use of four zamak sealing plugs on the plate (removable only by drilling).

Reliability: The IP 55 rating guarantees a long useful lifetime whether indoors or outdoors. All external parts are made of zamak for optimal robustness.

Practicality: The plate is deliberately thin, thereby limiting the amount of possible grip and reducing the risk of attempted tearing-off. There is minimal space between parts, guaranteed by the IP5X rating (impenetrable by solid bodies greater than 1 mm in diameter and protected against dust).

Installation: Depends on the nature of the building. We recommend using 50 mm-deep multi-material or concrete BATIBOX mounting boxes (40 mm accepted).

To guarantee the best tear-off resistance:

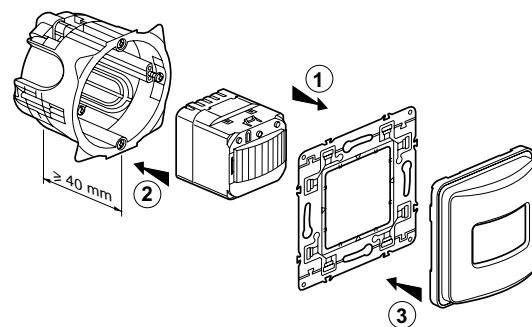
- Attach the SOLIROC plates using 4 standard screws (4 mm diameter, 40 mm length).
- Select wall plugs according to the nature of the walls. For concrete walls, we recommend expanding nylon wall plugs (6 mm diameter, useful length 40 mm).

Quality control: factory inspection according to ISO 9001/9002 procedures.

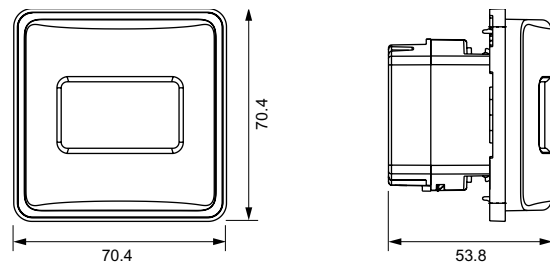
2. RANGE

	Designation	Cat. No.	Nbr. of modules	Connection method	Weight (g)	General characteristics
	3-wire automatic switch 1000 W with neutral	778 25	2	automatic	160	10 AX - 250 V
	2-wire automatic switch 400 W without neutral	778 27	2	automatic	160	10 AX - 250 V

3. INSTALLATION



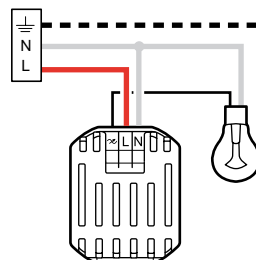
4. OVERALL DIMENSIONS



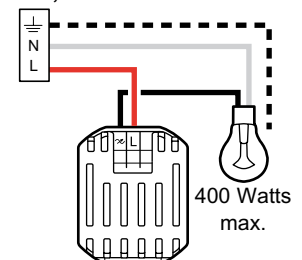
5. CONNECTION

Number of terminals: 3
Terminal type : tunnel-type connector
Terminal capacity: 2 x 1.5 mm² or 1 x 2.5 mm²
Tool: Flat-head 3.5 mm or philips No 1 or posidriv No 1 ou mixtd size 0.

Cat. No. 778 25



Cat. No. 778 27



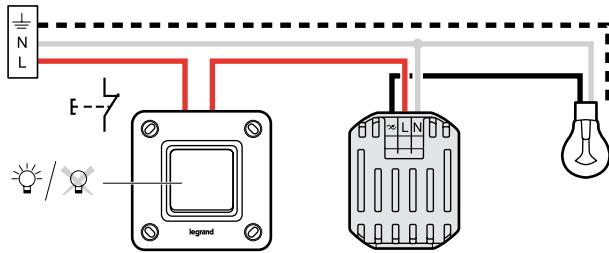
Connect the neutral to Cat. No. 778 25

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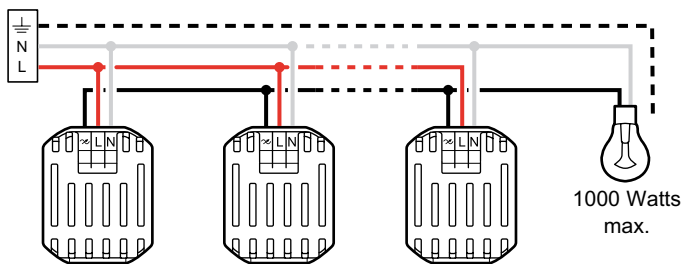
5. CONNECTION (cont'd)

5.1 Assembly with push-button

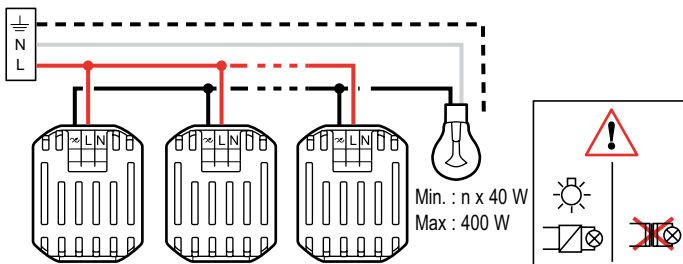


5.2 Assembly with several combined switches

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Cat. No. 778 27

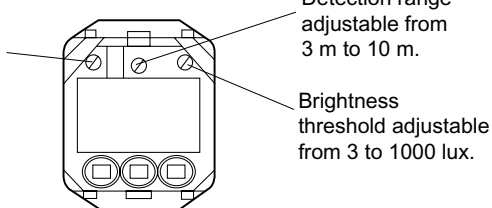


6. OPERATION

6.1 General operation

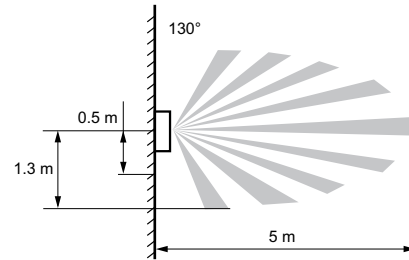
- Detection angle in horizontal plane: 130° max. range set.
- Possibility of remote manual control with an NC push-button.
- ON/OFF functions.
- Cat. No. 778 27 includes built-in self-protection against overloads and short-circuits.
- For Cat. No. 778 27
- Installation in a min. 40 mm deep flush-mounting box.

Time delay adjustable from 1 sec to 16 min, cycle repeated as long as device detects movement.

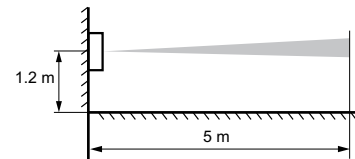


6.2 Detection levels

Range set between 3 to 10 m

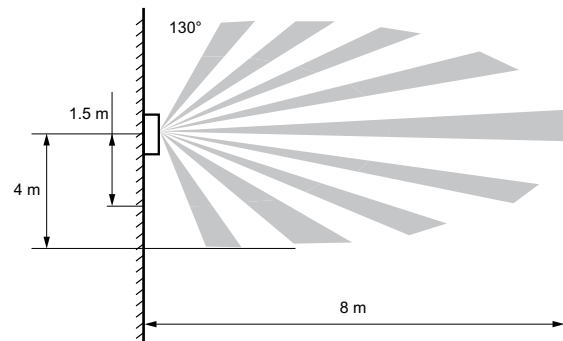


Horizontal detection

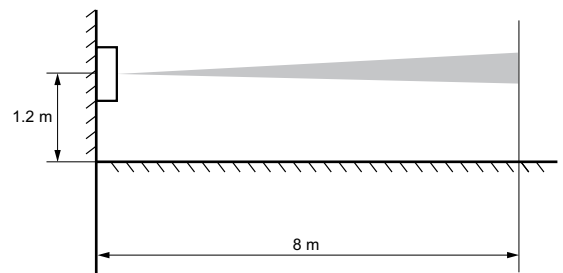


Vertical detection

Range set to 10 m



Horizontal detection



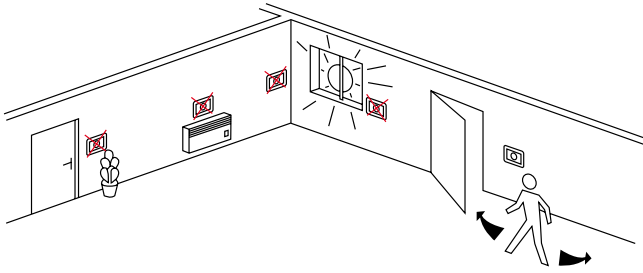
Vertical detection

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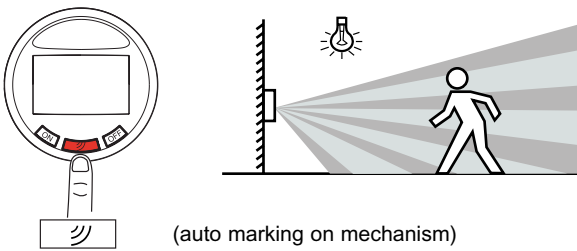
6. OPERATION (cont'd)

6.3 Precautions for use



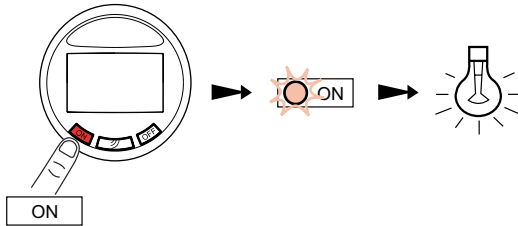
6.4 Usage modes

Automatic mode: after pressing on central "Auto" button.

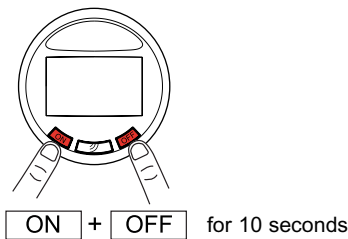


(auto marking on mechanism)

Override light-on mode

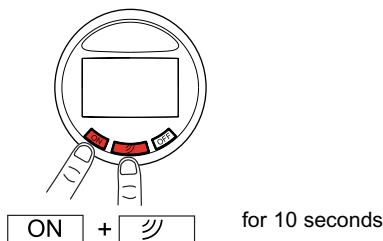


- Override in inductive mode (Cat. No. 778 27)



ON + OFF for 10 seconds

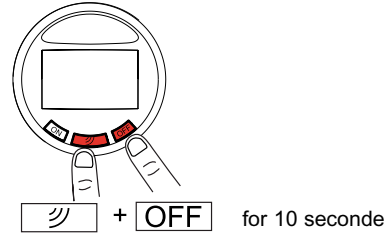
- Override in capacitive mode (Cat. No. 778 27)



ON + [Symbol] for 10 seconds

6. OPERATION (cont'd)

- Return to automatic mode (Cat. No. 778 27)



7. TECHNICAL DATA

7.1 Mechanical characteristics

Impact resistance: IK 10

Penetration by solid/liquid bodies: IP 55

7.2 Material characteristics

Mechanism: grey polycarbonate

Rocker: zamak

Sub-plate made of polycarbonate

Surface coating: copper plating + acid copper plating + matt nickel plating + chrome plating approx 0.1 mm in thickness.

Colour: mat chrome grey

SEBS sealing membrane

These devices comply with standard NF EN 62094-1 (2003), degree of severity 850° C for components made of insulating material supporting the current-carrying elements and 650° C for the other components.

7.3 Electrical characteristics

Voltage: 110-230 V

Frequency: 50-60 Hz

Power: for Cat. No. 778 25

	①	②	③	④	⑤	⑥	⑦	⑧
240 V~	1000 W	1000 W	500 VA	500 VA	500 VA	500 VA	100 VA	I max < 2 A
100 V~	500 W	500 W	250 VA	250 VA	250 VA	250 VA	50 VA	I max < 1 A

Voltage: for Cat. No. 778 27

	①	②	⑨	⑩
240 V~	Max. 400 W	400 W	400 VA	400 VA
	Min. 40 W	40 W	40 VA	40 VA
100 V~	Max. 200 W	200 W	200 VA	200 VA
	Min. 40 W	40 W	40 VA	40 VA

- 1 - Incandescent lamp
- 2 - Halogen lamp
- 3 - ELV halogen lamp with conventional or electronic transformer
- 4 - Fluorescent tube
- 5 - Compact fluorescent lamp
- 6 - Compact fluorescent lamp with separate transformer
- 7 - Fan motor
- 8 - Contactor
- 9 - ELV halogen lamp with conventional transformer
- 10 - ELV halogen lamp with electronic transformer

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7. TECHNICAL DATA (cont'd)

7.4 Climatic characteristics

Storage temperature: - 10° C to + 70° C

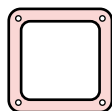
Operating temperature: - 5° C to + 40° C

8. ACCESSORIES

8.1 Foam seals

Material: EPDM (Ethylene, Propylene, Diene, Monomer).

Compensates for major wall defects



778 85
1-gang



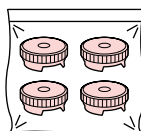
778 86
2-gang (horizontal/vertical)



778 87
3-gang (horizontal/vertical)

8.2 Sealing plug

Spare plugs delivered in bags of 4, with 5 bags to a box and 10 boxes to a carton.



778 96

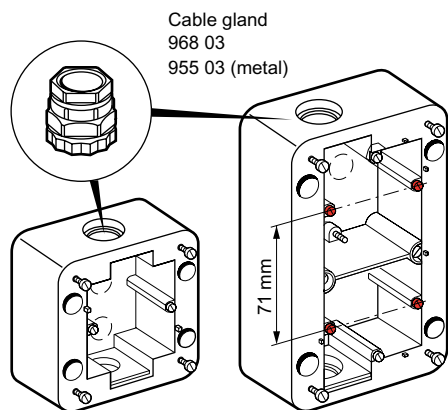
8.3 Surface mounted frames

Material: polyester

Max. depth: 38 mm

ISO 20 cable glands can be mounted:

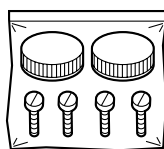
Cat. No. 968 03 (+ nut 968 43) and Cat. No. 955 03 (+ nut 979 83)



Cable gland
968 03
955 03 (metal)

778 90
1-gang

778 92
2-gang (horizontal/vertical)



Delivered with a bag
containing 2 plugs
and 4 screws