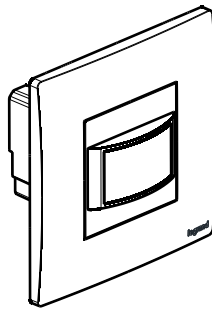


Mallia™ Senses

IR Movement detector

Cat. No(s): 2 810 90/91 MW - 2 810 90/91 MG - 2 810 90/91 MB
2 810 90/91 DS - 2 810 90/91 CH - 2 810 90/91 DB
2 810 90/91 BA - 2 810 90/91 BB - 2 810 90/91 BC



2 810 90/91 XX

1. USE

IR movement detector, with or without neutral.
(Supplied with M3.5 screws for Flush mounting or surface mounting BS boxes.)

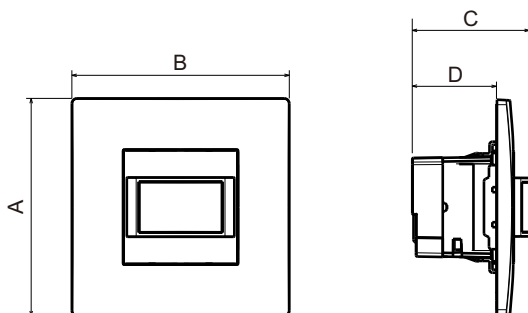
2. RANGE

Designation	Cat. No.
200W INFRARED MOVEMENT DETECTOR WITHOUT NEUTRAL	2 810 90 XX
400W INFRARED MOVEMENT DETECTOR WITH NEUTRAL	2 810 91 XX

Colours

-Front: MW/MG/MB/DS/CH/DB/BA/BB/BC
-Rear: Grey
2 81X XX MW Matt White
2 81X XX MG Matt Grey
2 81X XX MB Matt Black
2 81X XX DS Dark Silver
2 81X XX CH Champagne
2 81X XX DB Dark Bronze
2 81X XX BA Brushed Aluminium
2 81X XX BB Brushed Black
2 81X XX BC Brushed Champagne

3. DIMENSIONS (mm)



References	A	B	C	D
2 810 90 XX	86	86	46.8	33.6
2 810 91 XX	86	86	46.8	33.6

Minimum depth of the box ≥ 40 mm

4. CONNECTION

Types of terminals: with screws

Terminal capacity: 3 X 1 mm²
3 X 1.5 mm²
2 X 2.5 mm²
1 X 6 mm²

Recommended stripping length: 12 mm

Recommended screwdriver size: <4 mm flat blade

5. TECHNICAL CHARACTERISTICS

5.1 Material characteristics

Plate: PC

Frame: Steel

Base: PC

Self-extinguishing:

+ 850° C / 30 s for insulating parts holding live parts in place

+ 650° C / 30 s for other parts made of insulating materials

5.2 Electrical characteristics

Luminosity threshold: day:20~500Lux, dusk: 3~20Lux

Adjustable time delay: 180s, 90s, 30s

Transformer: primary and secondary 100 V - 240 V

Frequency: 50/60 Hz

IR Movement detector W/O Neutral:

	1	2	3	4	5	6	7
240V~	5....400W	5....200VA	20....200VA	3....200VA	3....100W	3....100W	7....100VA
100V~	5....200W	5....100VA	20....100VA	3....100VA	3....50W	3....50W	7....50VA

IR Movement detector W/Neutral:

	1	2	3	4	5	6	7
240V~	400W	200VA	200VA	200VA	200VA	100VA	100VA
100V~	200W	100VA	100VA	100VA	100VA	50VA	50VA
	1.7A	0.85A	0.85A	0.85A	0.85A	0.42A	0.42A

1 Incandescent lamp

2 Electronic step-down converter for extra low-voltage incandescent lamps(e.g.halogen)

3 Iron core transformer for extra low-voltage incandescent lamps (e.g.halogen)

4 Fluorescent lamp

5 Self-ballasted fluorescent compact lamp(CFL)

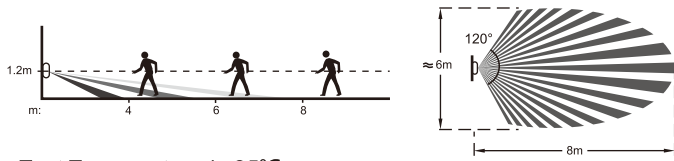
6 Self-ballasted LED lamp

7 Inductive ballast fluorescent lamp with compensator

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5.2 Electrical characteristics(continued)



Test Temperature is 25°C.
The detect range will be smaller when temperature is higher than 25°C.

5.3 Climatic characteristics

Storage temperatures: -10°C to +70°C
Operating temperatures: -5°C to +35°C

5.4 Mechanical characteristics

Impact test: IK04
Protection against solids & liquids: IP20

6. CLEANING

Surface cleaning with a soft, slightly damp cloth.
Do not use: acetone, tar remover, trichloroethylene

7. CONFORMITY - APPROVALS

Conform to IEC 60669-2-1, EN 60669-2-1.