



IR310MD, IR312MD

Visatec

Passive infrared detector

- 18 m wide angle with look down zone or 50 m continuous curtain
- Fully digital-Visatec signal evaluation
- Easy to install thanks to exceptional mechanism of mirror
- Unique zone locator with twocolour display for rapid and optimal mirror alignment (option)

Ideal for large areas. A modern design, fast installation and reliable detection with an extended detection range make the IR310MD and IR312MD the ideal motion detector for monitoring large indoor areas in public and industrial buildings, shops, offices, etc.

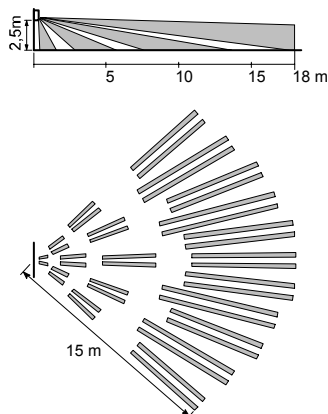
Fast and simple installation. The housing ensures wall and 45 ° corner mounting without accessories.

Outstanding immunity. A comprehensive protection concept makes the detector insensitive to environmental problems.

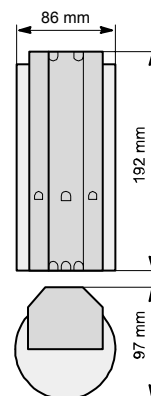
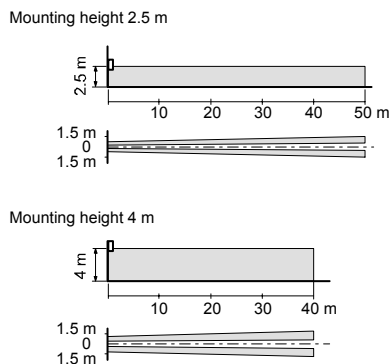
Safe detection. The patented mirror optics ensure a high level of detection reliability, due to a look down zone for crawl protection, and uniform sensitivity in the 'chessboard' zone pattern. The multi-criteria signal analysis system differentiates intelligently and reliably between intruders and disturbance signals.

Coverage areas and dimensions

Wide angle mirror (IR310MD)



Curtain mirror (IR312MD)



Technical data

Power supply	8 ... 16 VDC (12 V nom.)
– max. ripple (0 ... 100 Hz) / Voltage monitoring	2 VPP / Alarm at $<6.6 \pm 1.0$ V
Power consumption (at 12 VDC)	
– Quiescent / Max. on alarm (with LED)	4.5 mA / 26 mA
Alarm outputs (relay contact)	30 VDC / 100 mA / $R_i < 10 \Omega$
– Alarm hold time	2.5 s
– Electronic output (open collector) / Jam output	alarm ≥ 0 V / first alarm ≥ 0 V
Tamper contact (closed with cover on)	30 VDC / 50 mA
Disturbance signal output (open collector)	active ≥ 0 V
Signal indicator (open collector)	active ≥ 0 V
Control inputs: Walk test; Alarm indicator memory	HIGH/LOW
Coverage area: IR310MD / 312MD	18 m/20 zones / 50 m/10 zones
Evaluation mode, selectable	standard / high
Operating temperature / Storage temperature	-20 ... +55 °C / -20 ... +60 °C
Air humidity (EN 60721)	<95% r.h, non-condensing
Housing protection (EN 60529)	IP 41
EMI rejection 0.1 ... 1000 MHz (EN 61000-4-3)	>15 V/m
Approvals, VdS class B	IR310MD: no. G 195539 IR312MD: no. G 195540

Details for ordering

Type	Part no	Designation	Weight
IR310MD	445908	Passive infrared detector (wide angle)	0.395 kg
IR312MD	446101	Passive infrared detector (curtain)	0.395 kg
IRKL3	445788	Auxiliary terminal (set of 10)	0.020 kg
IRMF310	456489	Masking foil for IR310 (set of 10)	0.025 kg
IRMF312	456492	Masking foil for IR312 (set of 10)	0.040 kg
IRPL31	455684	Zone locator for IR310, IR312	0.010 kg
IRAK3	464853	Back tamper contact	0.010 kg

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Document no. **007813_a_en_--**
Edition 09.2003

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