



IR310CD, IR312CD

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 IR310CD and IR312CD the ideal motion detector for monitoring large indoor areas in public and industrial buildings, shops, offices, etc.

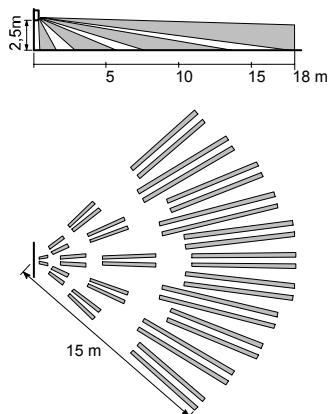
Fast and simple installation. The housing ensures wall and 45 ° corner mounting without accessories.

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

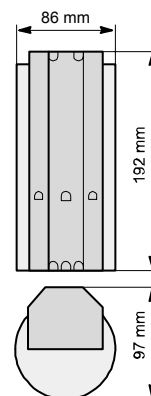
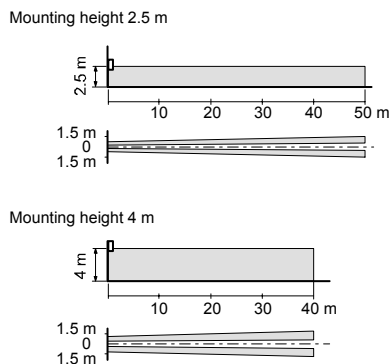
Safe detection. The patented mirror optics ensure a high level of detection reliability, due to a look down zone for crawl protection, and uniform sensitivity in the 'chessboard' zone pattern. The multi-criteria signal analysis system differentiates intelligently and reliably between intruders and disturbance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

Coverage areas and dimensions

Wide angle mirror (IR310CD)



Curtain mirror (IR312CD)



Technical data

Power supply	10 ... 16 VDC (12 V nom.)
- max. ripple (0 ... 100 Hz) / Voltage monitoring	2 VPP / Alarm at $<8.7 \pm 0.9$ V
Power consumption (at 12 VDC)	
- Quiescent / Max. on alarm (with LED)	12 mA / 29 mA
Alarm outputs (relay contact)	30 VDC / 75 mA / Ri $<33 \Omega$
- Alarm hold time	2.5 s
Tamper contact (closed with cover on)	30 VDC / 50 mA
Control inputs: Walk test	HIGH/LOW
Coverage area: IR310CD / R312CD	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	IR310CD: no. G 196558 IR312CD: no. G 196559

Details for ordering

Type	Part no	Designation	Weight
IR310CD	446363	Passive infrared detector (wide angle)	0.400 kg
IR312CD	446211	Passive infrared detector (curtain)	0.400 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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