



IS405H

Outdoor passive infrared detector

- 150 m wide angle detector for the most exacting applications
- ATD adaptive threshold decoding for ambient condition evaluation
- Comprehensive protection concept against all extraneous influences
- True temperature compensation and heating
- Continuous function surveillance
- Separate optocoupler output for each detection zone

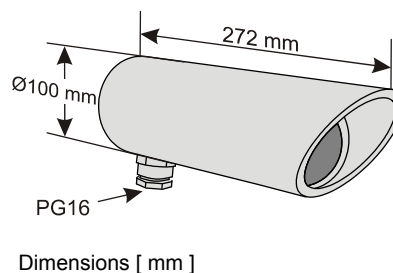
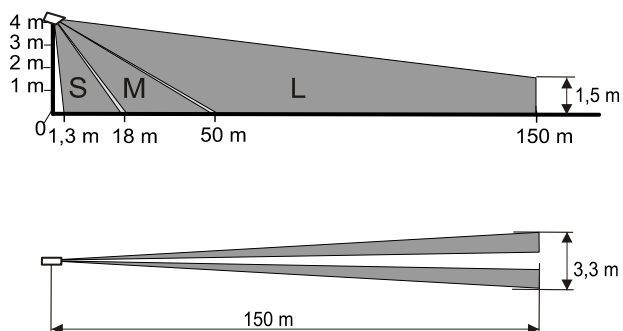
Versatile in application: The IS405H is suitable for the harshest outdoor environment. The integral mounting bracket allows alignment of the detector in any position. Switches permit easy and quick set-up.

Effective: This detector may be used in standalone manned intrusion detection systems or as part of a sophisticated video surveillance system. Applications include fenced or restricted areas like military camps, detention centres, government facilities, industrial sites, and private premises.

Highly professional: Uniform high sensitivity is achieved through special focused mirror optics and microprocessor-controlled signal analysis. Adaptive threshold decoding for feedback of ambient conditions and true temperature compensation ensure reliable detection. This comprehensive protection concept gives the detector outstanding immunity against environmental influences such as temperature fluctuations, rain, snow, electromagnetic fields and dazzling lights.

Coverage areas and dimensions

IS405H



Technical data

Type	IS405H
Detection characteristics / Range	Curtain / 150 m
Power supply	DC 10.5...30 V / AC 24 V
Power consumption (at DC 12 V), quiescent	18 mA
Heating	- 40 °C (F) max. 2 W
Alarm relay output	SPST rated DC 30 V / max.100 mA
Alarm hold time	2...3 s
Transistor output	Open collector NPN, DC 30 V, max. 50 mA
Optocoupler outputs (Short , Medium and Long)	Collector-Emitter voltage max. DC 30 V Collector current max. 50 mA
Tamper output (cover switch)	DC 30 V / 100 mA
Control input: Walk test; Unset/Set	LOW ≤DC 1.5 V / HIGH ≥DC 3.5 V
ATD Adaptive Threshold Decoding adjustment	activated / deactivated
Sensitivity adjustment	150 / 105 / 75 m
Operating temperature	- 40...+ 60 °C
Storage temperature	- 40...+ 60 °C
Air humidity	< 95 % rH, non-condensing
Housing protection (EN 60529)	IP64
Anti Vandal Function	activated / deactivated

Ordering data

Type	Part no.	Designation	Weight
IS405H	S54533-F107-A100	Outdoor passive infrared detector, curtain, with heating	900 g
ISIF485B	A5Q00026219	Installation module and software	
ISWT-PRO	S54533-Z112-A100	Cordless installation tester	
ISMD42	S54533-B101-A100	Pole mount hardware for IS405H	
ISTC41	BPZ:4455260001	Telescope	

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