External Passive Infrared Detector
IS390 & IS390H

- 24m (30m IS390H) volumetric wide angle beam
- ATD adaptive threshold discrimination for low nuisance alarm rate
- Comprehensive protection concept against all extraneous influences
- True temperature compensation and heating (IS390H)
- Continuous function surveillance
- Detection of intruders at crawling, walking and running speeds

Answers for infrastructure.

SIEMENS

Description

■ **Versatile in application**

The IS390 volumetric detector is designed to monitor the inside of a perimeter.

The IS390 is suitable for most outdoor environments and the IS390H version works in the harshest of environments. The integral mounting bracket allows for alignment of the detector in any position. The internal switches allow for a quick and simple setup, while the configuration software allows for more complex configurations. This version of an external passive infrared detector, incorporate a pyroelectric differential, single channel optic for determining the detection. A selection of installation and commissioning accessories are available to assist with the final configuration and ongoing maintenance of the detector.
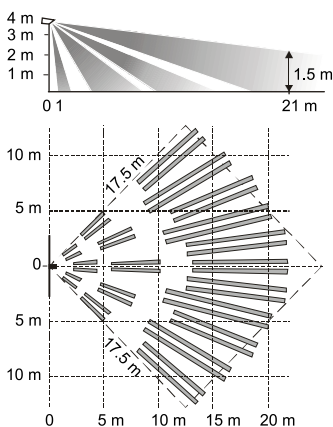
■ **Effective**

Both types of detectors can be used in standalone manned intrusion systems or as part of a sophisticated video surveillence system. Applications include fenced or restricetd areas like army camps, detention centre, government facilities, industrial sites and private premises.
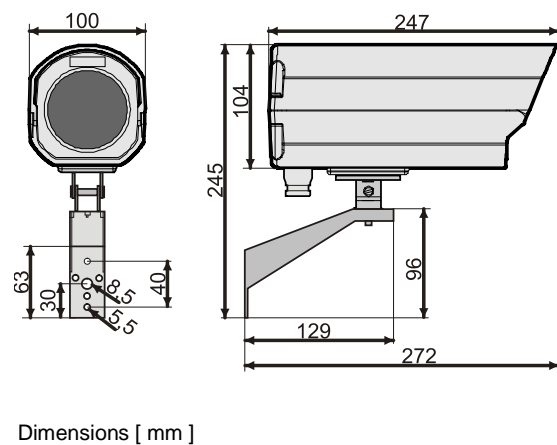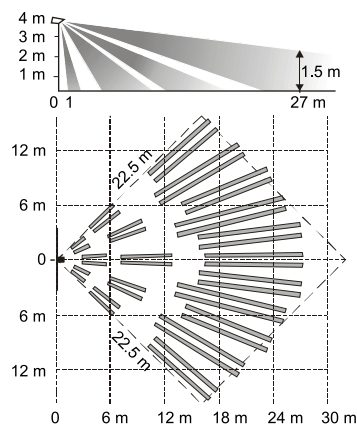
■ **Highly professional**

Uniform high sensitivity is achieved through the special focused mirror optics and the micro-processor-controlled signal analysis. Adaptive alarm threshold decoding for feedback of ambient conditions and true temperature compensation ensure reliable detection. This comprehensive protection concept gives the dtector outstanding immunity against environmental infulences such as temperature fluctuations, rain , snow, electromagnetic fileds and dazzling lights.

■ **Coverage areas and dimensions**

IS390   IS390H

Dimensions [mm]

■ Technical Specifications

	IS390	IS390H
Detection characteristics / Range	Wide angle 24m (w) x 21m (d)	Wide angle 30m (w) x 27m (d)
Optics	Pyroelectric, differential single channel	
ATD Adaptive threshold discrimination	Activated / deactivated	
Supply voltage, auto sensing	10.5…30 V DC / 24 V +/-15% AC	
Power consumption (at DC 12 V), quiescent	18 mA	
Heating	N/A	max. 2 W at - 40 ℃
Detection speed	0.2…5 s	
Alarm hold time	2…3 s	
Alarm Indication internal	Red LED	
Transistor output	Open collector NPN, 30 V DC, max. 50 mA	
Tamper output (cover switch & alignment)	30 V DC / 100 mA	
Control input: Walk test; Unset/Set	LOW ≤ 1.5 V DC / HIGH ≥ 3.5 V DC	
Mounting height	2.5…4.0 m	
Mounting	Wall mounting bracket included, pole bracket optional	
Cable Access	2 x 4…7 mm cable glands	
Cable termination	Screw terminals via plug-in connector	
Sensitivity adjustment (as % of standard)		
− via DIL switches	40 / 70 / 100%	
− via software	20…140%	
Operating temperature	- 20…+ 60 ℃	- 40…+ 60 ℃
Storage temperature	- 20…+ 60 ℃	- 20…+ 60 ℃
Air humidity	< 95 % RH, non-condensing	
Housing protection (EN 60529)	IP64	IP65
Anti Vandal Function	Activated / deactivated	

■ **Options**

ISIF485B	A5Q00026219	Installation module and software
ISWT-PRO	S54533-Z112-A100	Cordless installation tester
ISMD41-3	A5Q00026220	Pole mount hardware
ISTC41	BPZ:4455260001	Telescope

ISTC41

ISWT-PRO

ISIF485B

■ **Ordering Information**

Type	Art.-No.	Description	Weight
IS390	BPZ:5398270001	External passive infrared, wide angle	900 g
IS390H	A5Q00005094	External passive infrared wide angle, with heater	900 g
ISIF485B	A5Q00026219	Installation software & module	400 g
ISWT-PRO	S54533-Z112-A100	Cordless installation tester	175 g
ISMD41-3	A5Q00026220	Pole mount adapter hardware	160 g
ISCT41	BPZ:4455260001	Telescope	320 g

www.buildingtechnologies.siemens.com