Synthesized Intelligent PIR

New Product Information   SIP-5030 SIP-100

The SIP-5030 offers wide angle-detection for large areas outside. It has an intelligent detection system that uses data on the ambient environment, such as temperature and illuminance conditions, to automatically adjust the sensitivity.

In addition, the SIP-5030 has another PIR detector on the bottom of the unit to cover the creep zone. The PIR detector on the bottom has independent output that is separate from the main detection. The main output can trigger the CCTV system, and the output from creep zone detection can be used for protection of the unit.

The SIP-100 offers detection with a long range of 100 m (300 ft.) and a total of three outputs: two separate outputs for far and near areas and another for creep-zone detection. Multiple outputs are useful for activating video transmission systems and controlling PTZ cameras. The detection angle in the main area of the SIP-5030 and SIP-100 can be adjusted to easily match the camera field of view. And, the creep zone detector can be used for protection surrounding the unit.

The SIP-5030 and SIP-100 are also equipped with anti-rotation and anti-masking functions, which can detect vandalism or tampering with the unit.

FEATURES

Intelligent PIR detection system
- Patent Double Conductive Shielding for visible light disturbance protection
- Surrounding temperature recognition and illuminance recognition for automatic sensitivity management
- Advanced detection algorithm
- Anti-rotating function with 3-axis accelerometer
- Anti-masking function with photo-beam
- Independent sensitivity selector for Near/Far area
- N.C. and N.O. independent output for main area SIP-5030
- 2 x N.C. and N.O. independent output for main areas (Near and Far areas) SIP-100
- Built-in creep zone detector (Double dual pyro-elements)
- Alarm interval time
- Reinforced polycarbonate housing

OPTIONS

AVF-1 Area View Finder
SIP-HU Heating Unit
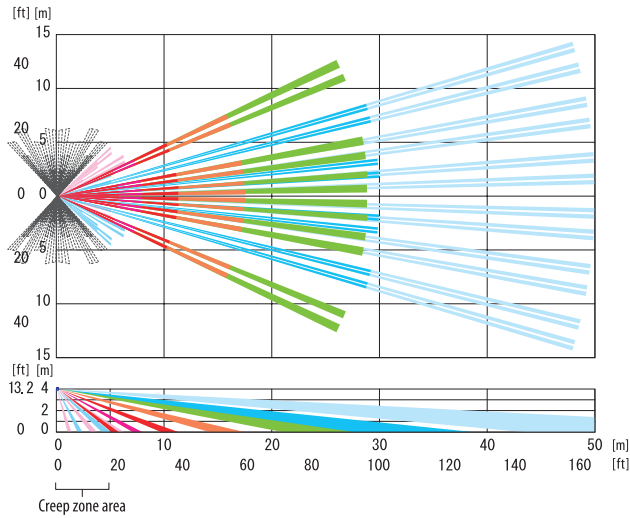OPM-WT Audio Walk Tester
SIP-MIDI HOOD Sun/Snow shield

SPECIFICATIONS

Model	SIP-5030	SIP-100
Detection method	Passive infrared	
Coverage (main area)	50 x 30 m (165 x 100 ft.)	100 x 3 m (330 x 10 ft.)
Coverage (creep zone)	5 x 5m (16 x 16 ft.) Detection angle adjustable	
Power input	11-16VDC 22-26VAC	
Current draw	40mA max. (12VDC) 75mA max. (24VAC)	
Mounting height	2.3 to 4 m (7.6 to 13 ft.)	
Sensitivity selector	Far: SH/H/M/L Near: SH/H/M/L Creep zone: SH/H/M/L	
Alarm output (main area)	N.O., N.C. 28VDC 0.2A max.	Far area:N.O., N.C. 28VDC 0.2A max. Near area:N.O., N.C. 28VDC 0.2A max
Alarm output (creep zone)	N.O., N.C. 28VDC 0.2A max.	
Alarm interval period	Off/15, 30, 60 sec.	
Trouble output	N.C., 28 VAC 0.2 A max.	
Tamper output	N.C., 28 VAC 0.1 A max.	
Alarm period	Approx. 2 sec.	
Warm-up period	Approx. 60 sec.	
Operating temperature	-25 to +60℃, -40 to +60℃ with optional heating unit (-13 to +140°F, -40 to +140°F with optional heating unit)	
IP rating	Main unit:IP65	
	Chassis:IP55	
Dimensions (H x W x D)	200 x 110 x 240 mm (7.9 x 4.3 x 9.4 in.)	
Weight	1.5kg (52 oz)	

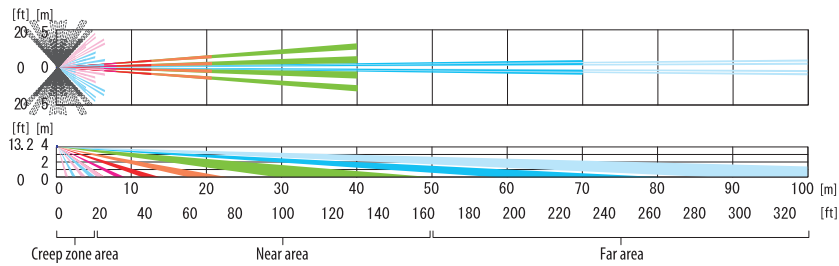＊ Specifications and design are subject to change without prior notice.

SIP-5030

Detection angle of the creep zone can be adjusted ±135° horizontally as shown in gray.

Creep zone area

SIP-100

Creep zone area　　　Near area　　　Far area

Application example:
By utilizing the multiple outputs, pan/tilt/zoom control is enabled.

Far area　　　Near area　　Creep zoon area