



New Product Information

Synthesized Intelligent PIR
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 antirotation 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

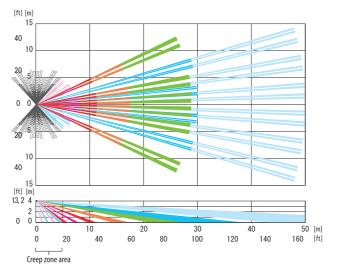
AVF-1 Area View Finder SIP-HU Heating Unit OPM-WT Audio Walk Tester SIP-MIDI HOOD Sun/Snow shield

Alarm output (creep zone) Alarm interval period 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 IP rating Dimensions (H x W x D) Weight N.C., 40 to +60°C with optional heating unit (-13 to +140°F, -40 to +140°F with optional heating unit)	Model	SIP-5030	SIP-100
S x 5m (16 x 16 ft.) Detection angle adjustable	Detection method	Passive infrared	
Power input	Coverage (main area)	50 x 30 m (165 x 100 ft.)	100 x 3 m (330 x 10 ft.)
Current draw	Coverage (creep zone)		
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. 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. Alarm period N.C., 28 VAC 0.1 A max. Alarm period Approx. 2 sec. Warm-up period Approx. 60 sec. Operating temperature -25 to +60°C, -40 to +60°C with optional heating unit [+13 to +140°F, -40 to +140°F with optional heating unit] IP rating Main unit:IP65 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]		11-16VDC 22-26VAC	
Sensitivity selector Far: SH/H/M/L Near: SH/H/M/L Creep zone: SH/H/M/L			
Alarm output (main area) Alarm output (creep zone) Alarm output (creep zone) Alarm output (creep zone) Alarm interval period Alarm output (creep zone) Alarm prevalue Alarm output (creep zone) Alarm prevalue Alarm prevalue Alarm prevalue Alarm period Alarm period Approx. 28 VAC 0.2 A max. N.C., 28 VAC 0.2 A max. N.C., 28 VAC 0.2 A max. N.C., 28 VAC 0.1 A max. Alarm period Approx. 2 sec. Warm-up period Approx. 60 sec. Operating temperature -25 to +60°C, 40 to +60°C with optional heating unit (-13 to +140°F, -40 to +140°F with optional heating unit) Main unit [P65 Chassis: [P55] Dimensions (H x W x D) Veight -200 x 110 x 240 mm (7.9 x 4.3 x 9.4 in.) N.C., 28 VDC 0.2A max. Far area: N.O., N.C. 28 VDC 0.2A max. Near area: N.O., N.C. 28 VDC 0.2A max. Near area: N.O., N.C. 28 VDC 0.2A max. Alarm prevalue Alarm output (creep zone) Alar			
Alarm output (creep zone) Alarm interval period Alarm period Alarm period Warm-up period Warm-up period Perating Prating Dimensions (H x W x D) Weight N.C., 28 VDC 0.2A max. N.C., 28 VAC 0.1 A max. Approx. 2 sec. Approx. 60 sec. Operating temperature -25 to +60°C, 40 to +60°C with optional heating unit [13 to +140°F, 40 to +140°F with optional heating unit] Chassis: IP55 Dimensions (H x W x D) Weight N.C., 28 VDC 0.2A max. N.C., 28 VDC 0.2A max. Near area: N.O., N.C. 28 VDC 0.2A max. N.C., 28 VDC 0.2A max.	Sensitivity selector	Far: SH/H/M/L Near: SH/H/M/L Creep zone: SH/H/M/L	
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°C, -40 to +60°C with optional heating unit (-13 to +140°F, -40 to +140°F with optional heating unit) Prating Moin 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 Weight N.Skg (52 oz)	Alarm output (main area)	N.O., N.C. 28VDC 0.2A max.	
Trouble output	Alarm output (creep zone)	N.O., N.C. 28VDC 0.2A max.	
Tamper output		Off/15, 30, 60 sec.	
Alarm period Approx. 2 sec. Warm-up period Approx. 60 sec. Operating temperature -25 to +60°C, -40 to +60°C with optional heating unit. (-13 to +140°F, -40 to +140°F with optional heating unit) IP rating Main unit:IP65 Chassis:IP55 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)	Trouble output	N.C., 28 VAC 0.2 A max.	
Warm-up period Approx. 60 sec. Operating temperature -25 to +60°C, -40 to +60°C with optional heating unit (-13 to +140°F, -40 to +140°F with optional heating unit) IP rating Main unit:IP65 Chassis:IP55 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]	Tamper output	N.C., 28 VAC 0.1 A max.	
Operating temperature -25 to +60°C, -40 to +60°C with optional heating unit (-13 to +140°F, -40 to +140°F with optional heating unit) IP rating Main unit:IP65 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)	Alarm period	Approx. 2 sec.	
Prating Main unit: IP65 Chassis: IP55			
Prating Chassis:IP55	Operating temperature	-25 to +60°C, -40 to +60°C with optional heating unit (-13 to +140°F, -40 to +140°F with optional heating unit)	
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]	IP rating		
Weight 1.5kg (52 oz)	o e		
	Weight	1.5kg	(52 oz)



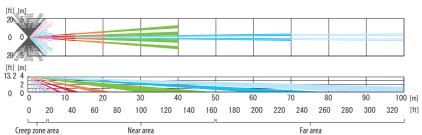
DETECTION AREAS

SIP-5030



Detection angle of the creep zone can be adjusted $\pm 135^\circ$ horizontally as shown in gray.

SIP-100



Application example: By utilizing the multiple outputs, pan/tilt/zoom control is enabled. Far area Near area Creep zoon area