

Synthesized Intelligent PIR

# SIP-3020 SIP-4010 SIP-404



The SIP-3020, SIP-4010, and SIP-404 detectors in the REDWALL-V Series are designed for use in small and mid-sized outdoor areas. They have an intelligent detection system that uses data on the ambient environment, such as temperature and illuminance conditions, to automatically adjust the sensitivity.

Mechanisms for easy installation enable accurate adjustment of the detection area at setup, which results in more reliable operation. The optional AVF-1 Area View Finder allows the installer to visually identify the detection area.

The detectors are also equipped with anti-rotation and anti-masking. They can also detect vandalism or tampering on the units. These functions provide greater security in operations.

Detectors in the REDWALL-V Series are ideal for triggering outdoor camera systems where high performance is required.

## FEATURES

- Intelligent PIR Detection System
  - Detection of ambient temperature and illuminance for automatic sensitivity management
  - Advanced detection algorithm
  - Three dual pyro-elements with patented Double Conductive Shielding
- Anti-vandalism functions
  - Anti-rotation function with 3-axis accelerometer
  - Anti-masking function with photo-beam
  - Reinforced polycarbonate housing
  - Max. 4m (13ft.) installation height
- Independent sensitivity selector for near/far areas
- Detection logic selector
- Detection range selector
- Independent N.C. and N.O. outputs
- Adjustable alarm interval time
- BS8418 Compliant - U.K.

## OPTIONS

AVF-1 Area View Finder  
SIP-HU Heating Unit (When the SIP-HU is used, the power for SIP series should be 22-26VAC.)  
OPM-WT Audible Walk Tester  
SIP-MINI HOOD Sun/Snow shield

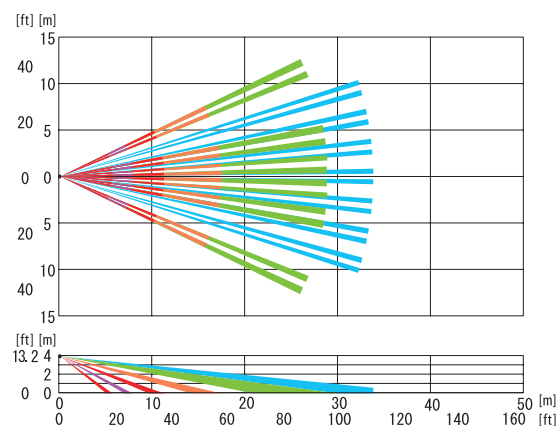
## SPECIFICATIONS

| Model                    | SIP-3020                                                                                                        | SIP-4010                 | SIP-404                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------|
| Detection method         | Passive infrared                                                                                                |                          |                         |
| Coverage                 | 30 x 20 m (100 x 65 ft.)                                                                                        | 40 x 10 m (130 x 33 ft.) | 40 x 4 m (130 x 13 ft.) |
| Power input              | 11-16VDC 22-26VAC, 22-26VAC with optional heating unit                                                          |                          |                         |
| Current draw             | 35mA max. (12VDC) 70mA max. (24VAC), 410mA max. (24VAC) with optional heating unit                              |                          |                         |
| Mounting height          | 2.3 to 4 m (7.6 to 13 ft.)                                                                                      |                          |                         |
| Sensitivity selector     | Far: SH/H/M/L Near: SH/H/M/L                                                                                    |                          |                         |
| Range selector           | Far: On/Off                                                                                                     |                          |                         |
| Detection logic selector | AND / OR                                                                                                        |                          |                         |
| Alarm output             | N.O., N.C., 28 VDC 0.2A max.                                                                                    |                          |                         |
| Alarm interval period    | Off/15, 30, 60 sec.                                                                                             |                          |                         |
| Trouble output           | N.C., 28 VDC 0.2 A max.                                                                                         |                          |                         |
| Tamper output            | N.C., 28 VDC 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<br>Chassis: IP55                                                                                |                          |                         |
| Dimensions (H x W x D)   | 227 x 102 x 266 mm (9.0 x 4.0 x 10.5 in.)                                                                       |                          |                         |
| Weight                   | 1.2kg (42 oz)                                                                                                   |                          |                         |

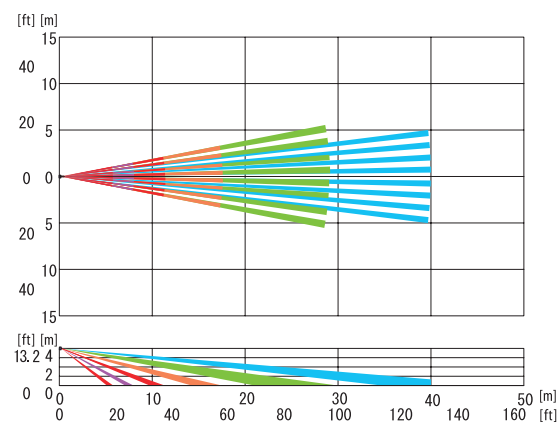
\* Specifications and design are subject to change without prior notice.

## DETECTION AREAS

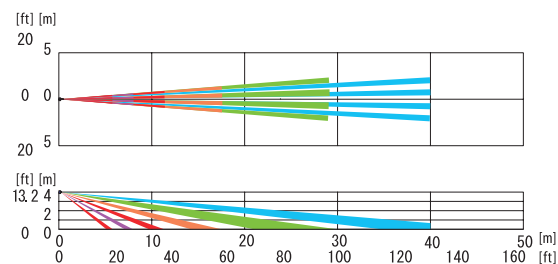
**SIP-3020**



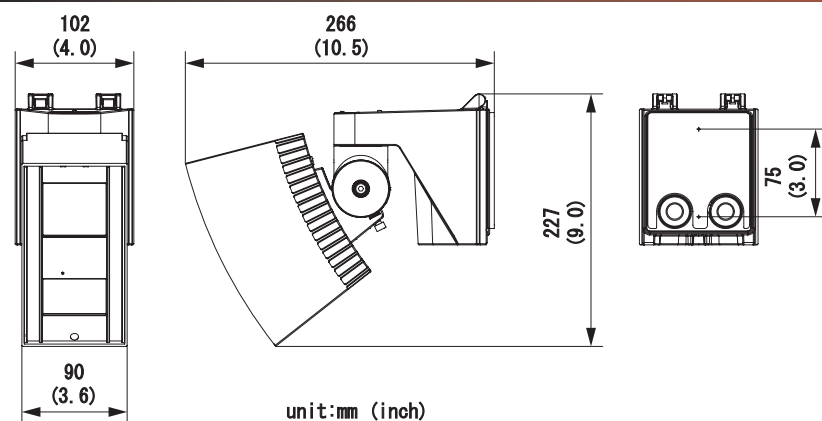
**SIP-4010**



**SIP-404**



## DIMENSIONS



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