

Low current Synthesized Intelligent PIR

## SIP-3020WF SIP-4010WF SIP-404WF



The SIP-3020WF, SIP-4010WF and SIP-404WF are designed for use where a reliable low current detector is required.

They have an intelligent detection system that monitors the temperature and illuminance of the environment and automatically adjusts the sensitivity.

The detectors are also equipped with anti-rotation, anti-masking functions in addition to the anti-tamper feature which provides further security. The superior power management circuit achieves low current consumption without compromising the rich functionality.

They can be used in conjunction with the REDWALL Wire-free WF434T (Digital Transmitter), LGMT434T (Masthead), LGRU16 (8 Channel Relay controller) and the LGMRU4X4 (Masthead + 4 channel outputs, to form a complete radio-linked system.

### FEATURES

- Low power consumption (3-9VDC, 40  $\mu$ A(standby) 5mA max.)
- Low battery signal
- 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 accelerometer
  - Anti-masking function with photo-beam
  - Reinforced polycarbonate housing
  - Max.4m (13 ft.) installation height
- Independent sensitivity selector for near/far areas
- Detection logic selector
- Detection range selector
- Independent N.C. and N.O. ALARM output
- Adjustable alarm interval time
- BS8418 Compliant - U.K.

### OPTIONS

SIP-AT SIP Adjustment tools (include AVF-1 Area view finder and AWT-3 Audible walk tester)  
 AWT-3 Audible walk tester  
 SIP-MINIHOOD Sun/Snow shield

WF-434T Digital Transmitter  
 LGMT434T Masthead  
 LGMRU4X4 Masthead + 4 channel Receiver  
 LGRU16 8 channel Relay Controller

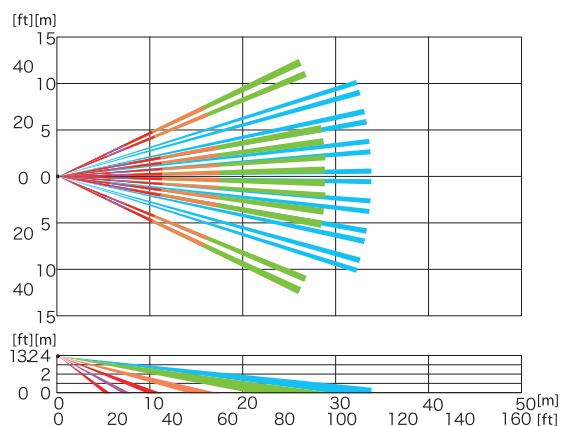
### SPECIFICATIONS

Model	SIP-3020WF	SIP-4010WF	SIP-404WF
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		3 to 9VDC. Alkaline or lithium battery	
Operating voltage		2.5 to 10VDC	
Current draw		4 $\mu$ A(Standby) 5mA max. (Operating LED ON)	
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.C. 10VDC, 0.01A max. N.O. 10VDC, 0.01A max.	
Alarm interval period		Off/5, 60, 150 sec.	
Trouble output		N.C. 10VDC, 0.01A max.	
Tamper output		N.C. 10VDC, 0.01A max.	
Alarm period		Approx. 2 sec.	
Warm-up period		Approx. 120 sec.	
Operating temperature		-25 to +60°C (-13° to +140°F)	
IP rating		Main unit:IP65 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)	

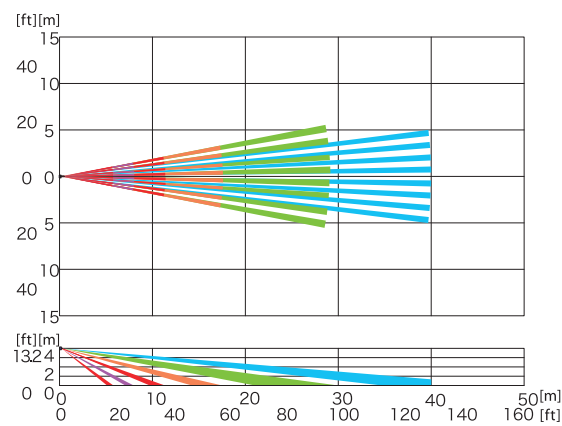
\* Specifications and design are subject to change without prior notice.

## DETECTION AREAS

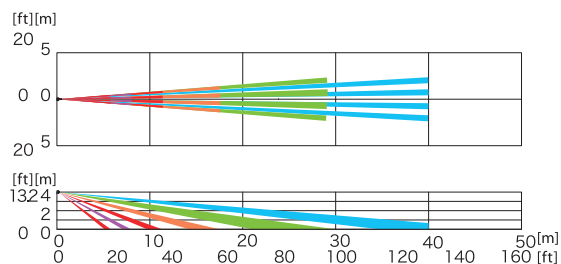
SIP-3020WF



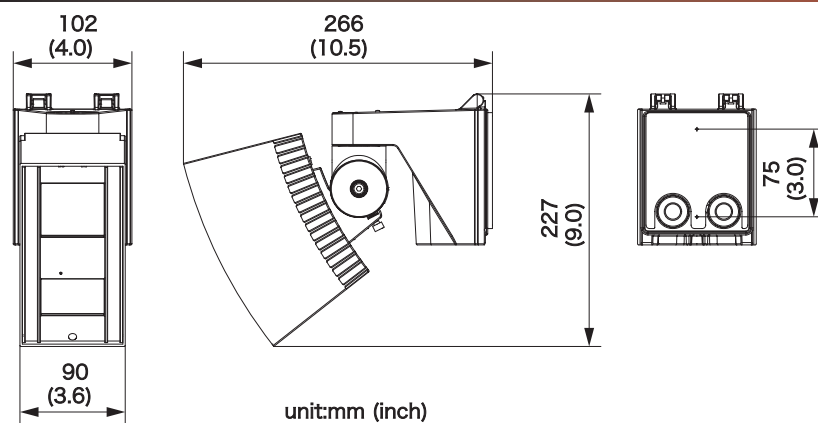
SIP-4010WF



SIP-404WF



## DIMENSIONS



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