REDWALL®
Unrivalled performance

REDWALL®

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 WF100DT (Digital Transmitter), WF100CU (Control Unit) and WF100EU (Expander Unit) if required, to form a complete radio-linked system.

FEATURES

- Low power consumption (3-9VDC, 40μA(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

AVF-1 Area View Finder
OPM-WT Audible Walk Tester
SIP-MINIHOOD Sun/Snow shield
WF-100TD(Digital Transmitter)
WF100CU (Control Unit)

WF100EU (Expander Unit)
(* Need to confirm technical specifications for wire-free products to meet radio frequency law of country where the SIP-3020WF, SIP-4010WF and SIP-404WF.)
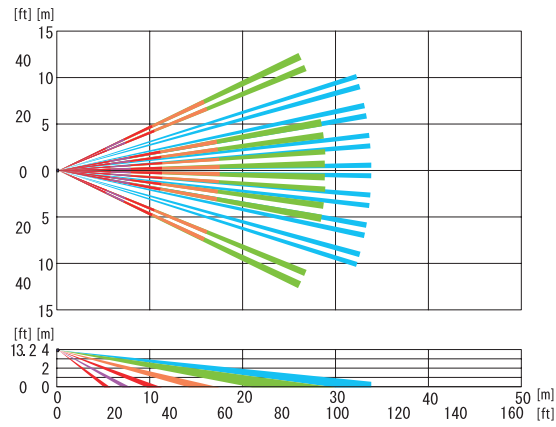
SPECIFICATIONS

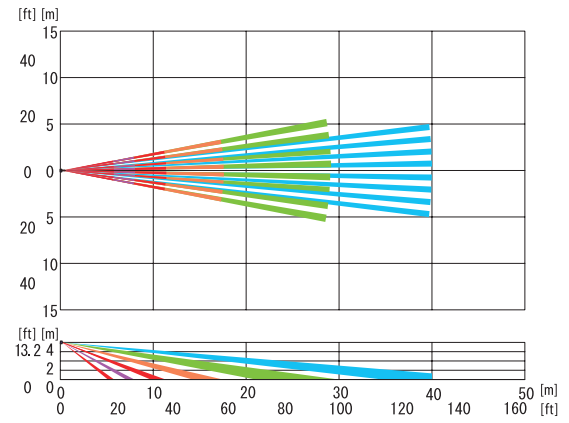| Model	SIP-3020WF	SIP-4010WF	SIP-404WF
Detection method	Passive infrared		
Coverage	30 x 20 m (100 x 65 ft.)	40 x 10 m (130 x 33 ft.)	40 x 4 m (130 x 13 ft.)
Power input	3 to 9VDC Alkaline or lithium battery		
Operating voltage	2.5 to 10VDC		
Current draw	40μ A(Standby) 5mA max. (Operating LED ON)		
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)		

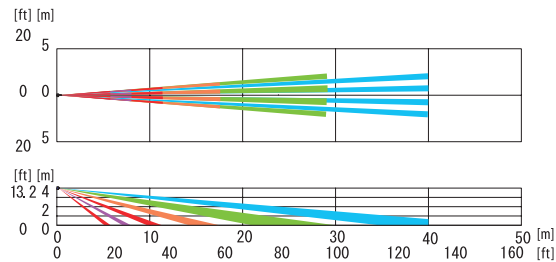∗ Specifications and design are subject to change without prior notice.
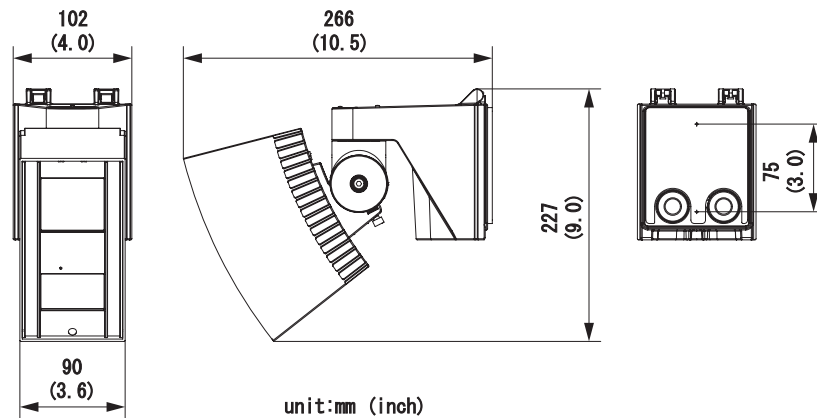
DETECTION AREAS

SIP-3020WF

SIP-4010WF

SIP-404WF

DIMENSIONS

unit:mm (inch)

102 (4. 0)
266 (10. 5)
227 (9. 0)
75 (3. 0)
90 (3. 6)