

DISCOVER  
THE BEST  
OUTDOOR  
DETECTORS  
OF THE LAST  
30 YEARS



SIP-3020, SIP-4010, SIP-404

### SIP-3020, SIP-4010, SIP-404

- 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. • Intelligent PIR Detection System

### SIP-3020/5, SIP-4010/5, SIP-404/5

Additional features to SIP-3020, SIP-4010, SIP-404

- Built-in creep zone detector (Double dual pyro-elements)
- Independent sensitivity selector for creep/near/far areas functions.

### SIP-5030, SIP-100

Additional Features to SIP-3020, SIP-4010, SIP-404

- Double Dual/One Quad pyro-elements with patented Double Conductive Shielding for main area
- Built in creep zone detector (Double dual pyro-elements)
- Independent sensitivity selector for creep/near/far areas
- Independent N.C. and N.O. output for main area SIP-5030
- 2 x N.C. and N.O. independent output for main areas (Near and Far areas) SIP-100



SIP-3020/5, SIP-4010/5, SIP-404/5



SIP-3020CAM DN

### SIP-3020CAM DN

Additional features to SIP-3020, SIP-4010, SIP-404

- High-quality camera image: Day (colour)/Night(B/W)
- 480 TV lines
- Varifocal lens 3-9mm
- Minimum illumination: Day(colour)0.5 lx, Night (B/W):0.03 lx

# REDWALL V series Specification reference chart

Model Names	SIP-3020	SIP-4010	SIP-404	SIP-3020/5	SIP-4010/5	SIP-404/5	SIP-5030	SIP-100	SIP-3020CAMDN
Series	REDWALL V Series								REDWATCH V Series
Product Image									
Detection method	PIR			PIR			PIR		PIR
Detection Range	SIP-3020 30 x 20m (90 x 65ft.)	SIP-4010 40 x 10m (130 x 33 ft.)	SIP-404 40 x 4m (130 x 13 ft.)	SIP-3020/5 Main area 30 x 20m (90 x 65ft.) Creep zone 5 x 5m (16 X 16ft.)	SIP-4010/5 Main area 40 x 10m (130 x 33ft.) Creep zone 5 x 5m (16 X 16ft.)	SIP-404/5 Main area 40 x 4m (130 x 13ft.) Creep zone 5 x 5m (16 X 16ft.)	SIP-5030 Main area 50 x 30m (165 x 100ft.) Creep zone 5 x 5m (16 X 16ft.)	SIP-100 Main area 100 x 3m (330 x 10ft.) Creep zone 5 x 5m (16 X 16ft.)	SIP-3020CAMDN 30 x 20m (90 x 65ft.)
Pyro-Element	Far : One dual Pyro-Element Near : Two dual Pyro-Element			Far : One dual Pyro-Element Near : Two dual Pyro-Element Creep : Two dual Pyro-Element			Far : One quad Pyro-Element Near : Two dual Pyro-Element Creep : Two dual Pyro-Element		Far : One dual Pyro-Element Near : Two dual Pyro-Element
Number of protection zones	SIP-3020 Far: 14 Near: 60	SIP-4010 Far: 8 Near: 40	SIP-404 Far: 4 Near: 20	SIP-3020/5 Far: 14 Near: 60 Creep: 36	SIP-4010/5 Far: 8 Near: 40 Creep: 36	SIP-404/5 Far: 4 Near: 20 Creep: 36	SIP-5030 Far: 40 Near: 60 Creep: 36	SIP-100 Far: 8 Near: 20 Creep: 36	SIP-3020CAMDN Far: 14 Near: 60
Sensitivity Selector	Far : Super High / High / Medium / Low Near : Super High / High / Medium / Low			Far : Super High / High / Medium / Low Near : Super High / High / Medium / Low Creep : Super High / High / Medium / Low			Far : Super High / High / Medium / Low Near : Super High / High / Medium / Low Creep : Super High / High / Medium / Low		Far : Super High / High / Medium / Low Near : Super High / High / Medium / Low
Double Conductive shield									
Automatic sensitivity management									
Vandal protection									
Detection Logic selector	And/Or			And/Or			And/Or		And/Or
Detection Range Selector	Far : On/Off			Far : On/Off			-		Far : On/Off
Number of Outputs Selector	-								
Mounting height	2.3m to 4m (7.6ft. to 13ft.)			2.3m to 4m (7.6ft. to 13ft.)			2.3m to 4m (7.6ft. to 13ft.)		2.3m to 4m (7.6ft. to 13ft.)
Power Input	11-16VDC		22-26VAC	11-16VDC		22-26VAC	11-16VDC		22-26VAC
Current draw	35mA(Max.) at 12VDC		70mA (Max.) at 24VAC	40mA(Max.) at 12VDC		75mA (Max.) at 24VAC	40mA(Max.) at 12VDC		75mA (Max.) at 24VAC
Alarm output (main area)	N.C./N.O. 28VDC 0.2A (Max.)			N.C./N.O. 28VDC 0.2A (Max.)			N.C./N.O. 28VDC 0.2A (Max.)		N.C./N.O. 28VDC 0.2A (Max.)
Alarm output (creep zone)	-			N.C./N.O. 28VDC 0.2A (Max.)			N.C./N.O. 28VDC 0.2A (Max.)		-
Alarm interval period	Off/15,30,60 sec			Off/15,30,60 sec			Off/15,30,60 sec		Off/15,30,60 sec
Tamper output	N.C. opens when cover, head removed 28VDC 0.1A (Max.)			N.C. opens when cover, head removed 28VDC 0.1A (Max.)			N.C. opens when cover, head removed 28VDC 0.1A (Max.)		N.C. opens when cover, head removed 28VDC 0.1A (Max.)
Trouble output	N.C., 28VDC 0.2 A (Max)			N.C., 28VDC 0.2 A (Max)			N.C., 28VDC 0.2 A (Max)		N.C., 28VDC 0.2 A (Max)
Alarm period	Approx. 2 sec			Approx. 2 sec			Approx. 2 sec		Approx. 2 sec
Warm-up period	Approx. 60 sec			Approx. 60 sec			Approx. 60 sec		Approx. 60 sec
Operating Temp.	-13 to +140°F, -40 to +140°F with optional heater unit			-13 to +140°F, -40 to +140°F with optional heater unit			-13 to +140°F, -40 to +140°F with optional heater unit		-13 to +140°F, -40 to +140°F with optional heater unit
IP rating	Main unit : IP65 Chassis : IP55			Main unit : IP65 Chassis : IP55			Main unit : IP65 Chassis : IP55		Main unit : IP65 Chassis : IP55
Dimensions (H x W x D)	200 x 110 x 240 mm (9.0 x 4.0 x 10.5 in.)			248 x 102 x 266 mm (9.8 x 4.0 x 10.5 in)			271 x 102 x 290 mm (10.7 x 4.0 x 11.4 in.)		252 x 102 x 317 mm (9.9 x 4.0 x 12.5 in.)
Weight	1.2kg (42.3 oz)			1.4kg (49 oz)			1.6 kg (56 oz)		1.4 kg (49.4 oz)
Image sensor	-			-			-		1/3"CCD (PAL)
TV line	-			-			-		480TVL (at wide position)
Resolution	-			-			-		PAL 752H x 582 V
Lens	-			-			-		f=3 to 9 mm, varifocal, DC auto iris lens F1.2
Min. illumination	-			-			-		Day (colour) : 0.5 lx (F1.2) Night (B/W) : 0.03 lx (F1.2)
Video Output	-			-			-		1.0Vp-p/75 /BNC connector, PAL

Area View Finder AVF-1		WALK-TESTER OPM-WT		Heating unit SIP-HU		Sun / Snow shield SIP-MINI HOOD		Sun / Snow shield SIP-MIDI HOOD	
		Power input	Cell Battery: 9VDC battery Power from OPM-3020/303	Operating voltage	At installation : AC/DC24V ±15% Heater unit : DC24V ±15%				
		Current draw	200mA (Max.)	Current draw	Heater off : 5.5mA Heater on : 135 to 262mA				
		Weight	200g ( 8 oz)	Electric power of the max. surface Temp.	4.8W ±15%				
				Operating temp.	212° F				
				Weight	68° F or less				
					10g (0.4 oz)				