

DF-1015 DFIR™ **

DFIR Motion Sensor

SUREN



Superior False Alarm Immunity

- ❑ **Split-View™ ** DFIR™ **** opto-electronic system
 - Dual Frequency InfraRed™ system
 - New quad-element infrared detector**
 - Intruders produce dual-frequency signals
 - Interferences produce only one frequency
 - Protection against false alarms arising from:
 - non-moving objects of changing temperature
 - shock
 - extreme radio interference
 - bright white light
 - electrical surges
 - air currents
- ❑ Key-parameter supervision, with Failure Indication

Reliable Detection

- ❑ **SureSpot™** microcontroller waveform processing is on the watch! Where the complex curves and dips of real signals “fool” other sensors’ ASICs and simple processing, **SureSpot™** processing detects intruders!
- ❑ Summertime detection in near-human temperature environments

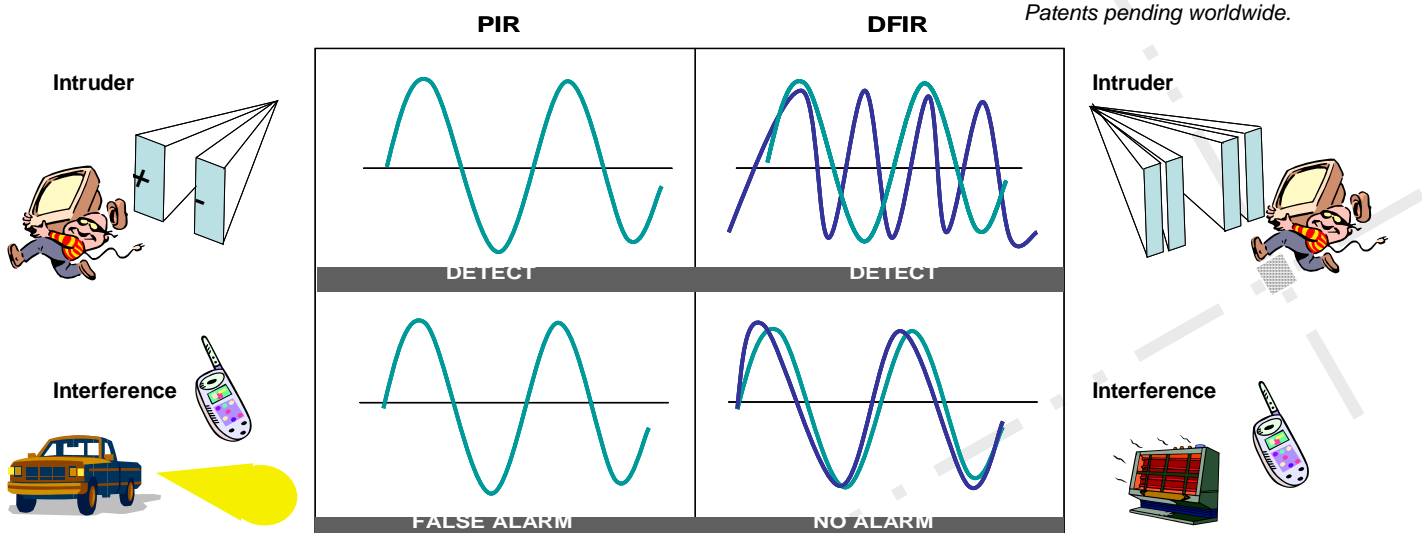
Easy Installation

- ❑ 45° terminal block for easy wiring
- ❑ 10-minute zone finder mode
- ❑ Deep wire channels, dual cable entry
- ❑ 45° corner-mounting surfaces
- ❑ Knock-out holes for mounting and wiring
- ❑ Swivel-mount accessory interface

Wide Temperature Range

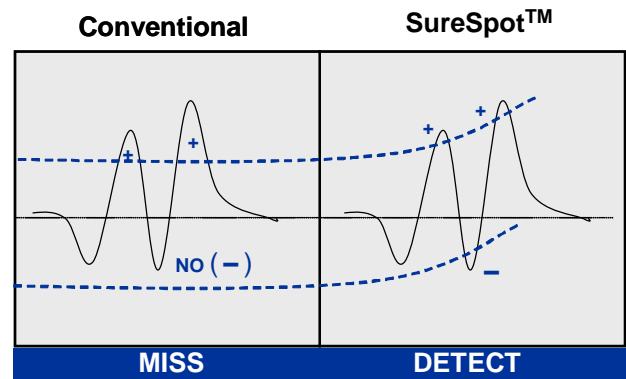
- ❑ Operation from -40°C to +55°C

** U.K. Patent no. GB2414551
Patents pending worldwide.

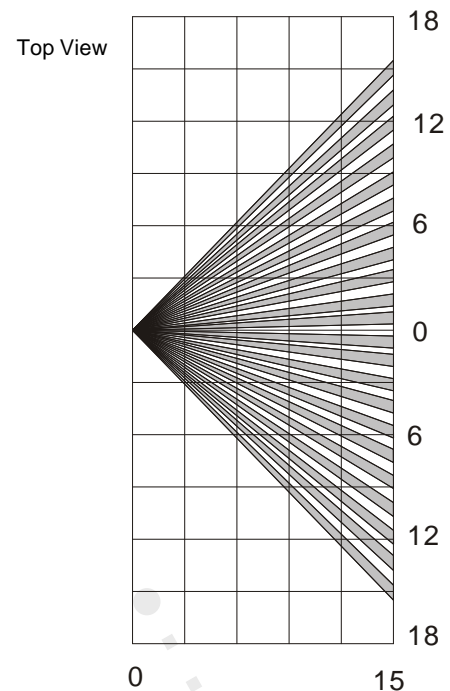
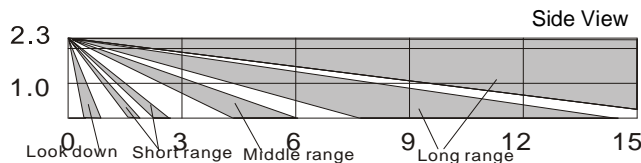


Product Features

- ❑ Look-down detection directly below the sensor to catch wall-crawling intruders
- ❑ Precise factory calibration for dependable performance of every sensor
- ❑ Multiple white light immunity features:
 - Clear bug guard – no light concentration
 - White diffusing lens
 - Large IR detector window (4.2 x 5.2 mm)
- ❑ Tightly-mated bug guard to protect the sensor optics from insects, spiders and dust
- ❑ Consistent detection sensitivity throughout the monitored area
- ❑ Selectable processing sensitivity for different environmental requirements
- ❑ Continuous supervision of:
 - Power supply voltage
 - Ambient temperature
 - IR detector operational parameters
- ❑ Failure indication :
 - Blinking LED
 - Non-closing of alarm relay after any alarm signal event (Note: the sensor will NOT initiate an alarm to signal a failure.)
- ❑ Sensitive tamper detection switch
- ❑ Remote LED Enable control input



Optical View Pattern



Specifications



Swivel Mount



No
Aluminum
Electrolytic
Capacitors



Range:	15 m in sensor-facing direction (max) 21 m at 45° angle from sensor-facing direction (max)			
Power Supply:	Voltage	Current		
	8 – 14 Vdc	14 mA at 12 Vdc		
Alarm Relay:	Solid state Form A (NC) 50 mA 100 V; 1500 Vrms isolation			
Tamper Switch:	Form A (NC) 50 mA @ 30 Vdc			
RF Immunity:	30 V/m 10 – 1000 MHz; 10 V/m 1000-2000 MHz			
Sensitivity:	2-event/2.5 C or 3-event/3.0 C			
Temperature Range:	-40°C to +55°C			
EN 50131	Grade 2			
Housing:	High-impact ABS			
Dimensions:	112 x 50 x 42 mm (H x W x D)			
Optical fields-of-view	Long Range	Mid Range	Short Range	Look-down
	88	30	18	8

All specifications are subject to change without notice.