



Dual-Tech Outdoor Motion Detector  
(Single PIR & Microwave) with adjustable Pet Immunity

**LC-151**

Dual-Tech Outdoor Motion Detector  
(Dual PIR & Microwave) with Pet Immunity

**LC-171**



## New Motion Detectors Take Advanced Protection Outdoors

**DSC has added to the successful LC series of detection devices with the new LC-151 & LC-171 Dual-Tech Outdoor Motion Detectors, designed for outdoor perimeter protection.**

The LC-151 and LC-171 are dual technology motion detectors that combine passive infrared and microwave detection with pet immunity.

### The Best Defence is a Good Offence

The LC-151 and LC-171 detectors provide improved outdoor protection against intruders, before they make it too far

on to a property or close to premises. With advanced digital signal processing, these detectors provide accurate analysis of body dimensions and differentiation from backgrounds and pets or other animals to ensure reliable detection and false alarm immunity. Digital signal processing provides consistent communication because the signal is resistant to electrical (either radio frequency or electromagnetic) interference. Upon quick analysis of the signal from the detector, if an intruder is identified, the device will instantly notify the alarm system.

### PIR & Microwave Sensors Provide High Accuracy to Prevent False Alarms

The LC-151 combines one passive infrared (PIR) sensor with a microwave sensor for microwave (MW) detection. The LC-171 combines two PIR sensors, both which must be tripped, with a microwave sensor. These elements work to detect intruders without detecting pets or other animals, with the highest level of accuracy. The sensors are easily adjusted to customize range of detection.

### Pet Immunity

Highly accurate sensors provide quality detection while at the same time ignoring pets or other animals weighing up to 15kg (33lb) without lens, up to 36kg (80lb) with lens, in the case of the LC-151, and 35kg (77lb) for the LC-171.



LC-151

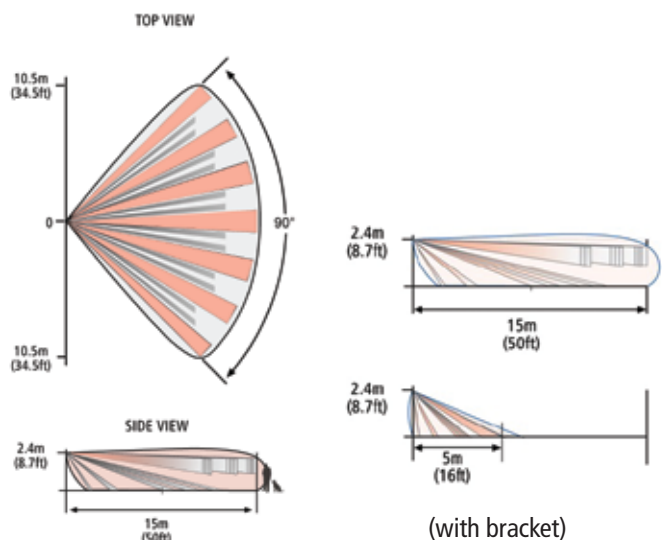


LC-171

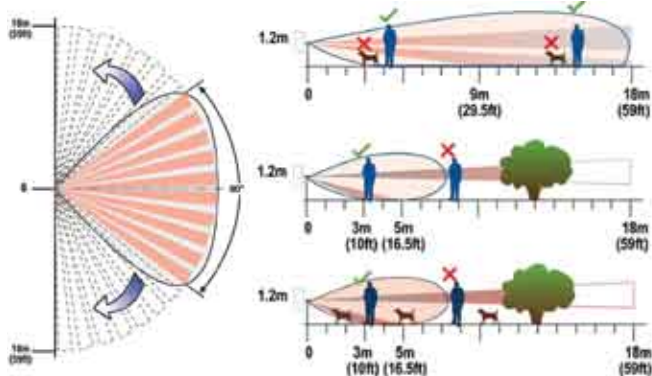
### Fast and Easy Installation

Once the detector is installed at the recommended height, installers simply conduct a brief walk-test, make any necessary adjustments, and the unit is ready to perform. Highly visible LEDs can be viewed at a glance and help the installer identify the detection range from any distance or angle within the coverage pattern.

#### LC-151 Detection Pattern



#### LC-171 Detection Pattern



#### Ordering Information:

- LC-151 .....Dual-Tech Outdoor Motion Detector (Single PIR & Microwave) with adjustable Pet Immunity
- LC-171 .....Dual-Tech Outdoor Motion Detector (Dual PIR & Microwave) with Pet Immunity
- LC-B1-15X.....Optional Bracket for LC-151
- LC-L1-15X.....Corridor Lens for LC-151

### Product Features

	LC-151	LC-171
Form "C" alarm contact and tamper switch	Y	Y
Digital signal analysis	Y	Y
Installation height is calibration free from	1.8m to 2.4m (6ft to 8ft)	0.8m to 1.5m (2.6ft to 4.9ft)
Front and back tamper protection	Y	Y
Pet immunity up to	15 Kg (33lb)*	35Kg (77lb)
PIR/microwave sensitivity adjustment	Y	Y
Detects human intruders walking or running with detection range of up to	15m (49ft)	18m (59ft)
High RFI/EMI immunity	Y	Y
Weather & element resistant with temperature compensation and unique waterproof sealed plastic design	Y	Y
Selectable sound alarm		Y

\*without pet immunity lens or up to 36kg (80lb) when using supplied LC-F1-15X pet immunity lens.

### Specifications

	LC-151	LC-171
Dimensions	175mm × 70mm × 45mm (6.9" × 2.8" × 1.8")	200mm × 86mm × 80mm (7.9" × 3.9" × 3.2")
Weight	210gr (0.46 lb)	500gr (1.10 lb)
Detection Method	Single (Two Elements) PIR & Microwave Pulse Doppler	Dual (Four Elements) PIR & Microwave Pulse Doppler
Power Input	9.6 to 16Vdc	
Current Draw (Stby)	21mA (±5%)	
Current Draw (Active)	24mA (±5%)	
Microwave Frequency	10.525 GHz	24.125 GHz
Tamper Switch: Contact Rating	N.C 28Vdc 0.1 A with 10 Ohm Series protection resistors	
RF Immunity	10 V/m plus 80% AM from 80 MHz to 2GHz	
Operating temperatures	-35°C ~ +55°C (-31F ~ 131F)	
IP Rating	IP 65	