

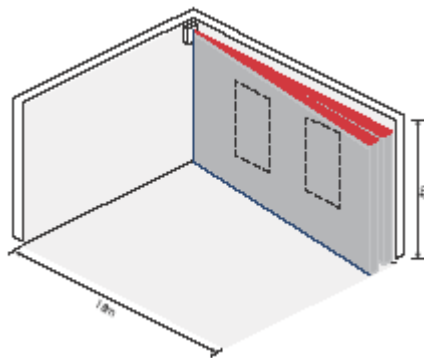
# **Blue Wave Movement Sensor - Curtain**

## **Product Data**

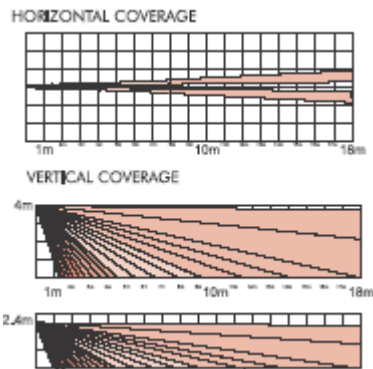
Catalogue Number:	BW/CUR
Voltage Supply:	9 to 16V DC
Current:	12mA @ 12V maximum
Casing:	3mm White ABS, 0.4mm HDPE (Lens)
Operating Temperature:	-30°C to +70°C
Storage Temperature:	-40°C to +80°C
Humidity:	Up to 95% RH, non condensing
Detection Method:	Digital Quad Signal Processing 148 zones
Detection Speed:	0.3 – 3.0 m/s
Warm-up Time:	4 Seconds (After power-up)
Mounting Height:	1.8m to 2.4m
Dimensions (mm):	69 (w) x 50 (d) x 117 (h) mm
Fixing method:	Wall mounting - 4 x 4mm fixing holes Ceiling mounting via supplied bracket
Output:	Voltage free relay with Normally Closed contacts rated at 60V DC, 50mA (42.4VAC Peak)
Timer Control Adjustment:	Located at Chalmor controller
Light Level Adjustment:	Located at Chalmor controller, if specified
Maximum Coverage:	18m
Conformance:	Emissions EN55022 Class B Immunity EN50130-4
Accessories:	Wall & Ceiling Mounting brackets (included) Wire guards available – flat or corner fitting
Weight & Dimensions	105g (3.4 oz) without bracket . 117mm high, 50mm deep, 69mm wide

## **Coverage Patterns**

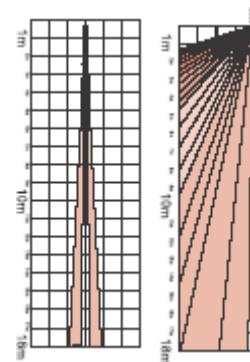
**BEAM COVERAGE (VERTICAL CURTAIN)**



**VERTICAL CURTAIN**

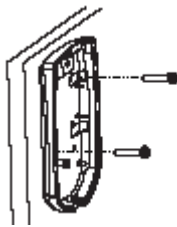
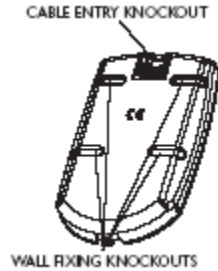


**HORIZONTAL CURTAIN**



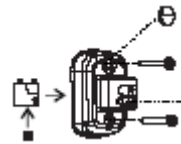
## Installation Diagrams

### Case Lid Screw Case Knockouts

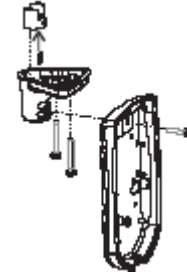


### Wall Mounting

### Wall Bracket



### Ceiling Bracket



### Installation Procedure

Remove cover from the sensor using the fixing screw below and the hook located on the top.

Carefully remove the PCB from the housing by loosening the screw positioned to the bottom left of the unit, adjacent to the sensor element.

Use all 4 fixing points or the ceiling/wall bracket. Fit the sensor to a secure surface. Refer to the diagrams for the most suitable fixing position.

Under no circumstances should the sensor be installed causing damage to the housing. The sensor should not be installed where the local environmental conditions (sunlight, radiators, heating pipe work, warm/cool air ducting, etc) will effect its operation.

The sensor should only be ceiling fixed using the supplied bracket.

An ELV 4 core cable is to be installed between the sensor and the specified controller. The

cable must have an insulation rating equal to the maximum voltage present within the installation (Normally 240V at the controller).

Conductors are to be prepared with a 3mm bare conductor and connected directly on to the correct terminations.

Controller	Sensor
+	+
-	-
NC	ALARM
NC	ALARM

Note – Tamper and LED terminals are not used.

### Multiple PIR Installation

Where more than one sensor is required to cover an area, installation should be as above with the exception of the wiring. To use two or more sensors connect + & - in parallel and connect NC contacts (ALARM) in series.