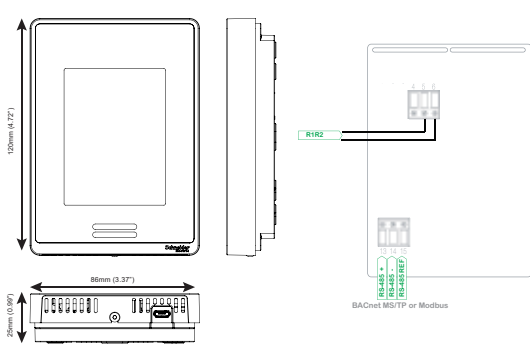


## PAC/VRF Smart Connectivity controller external dimensions Room Controller SER8150 - Dimensions & Wiring & Specifications



**Dimensions**  
 Height: 12cm/4.72in  
 Width: 8.6cm/3.39in  
 Depth: 2.7cm/1.06in  
**Power Requirements**  
 16 Vdc from Panasonic R-R IDU connectors  
 50/60 Hz, 4WA, Class 2 Supply  
 Range from Indoor Unit  
 Recommended 500ft (150 m)  
**Operating Conditions**  
 0 °C to 50°C (32°F to 122°F)  
 0% to 95% R.H. non-condensing  
**Storage Conditions**  
 -30°C to 50°C (-22°F to 122°F)  
 0% to 95% R.H. non-condensing  
**Temperature Sensor**  
 Local 10 K NTC type 2 thermistor  
 Temperature Sensor Resolution  
 ± 0.1°C (± 0.2°F)  
 Temperature Sensor Accuracy  
 ± 0.5°C (± 0.9°F) @ 21°C (70°F) typical calibrated  
**Humidity Sensor and Calibration**  
 Single point calibrated bulk polymer type sensor

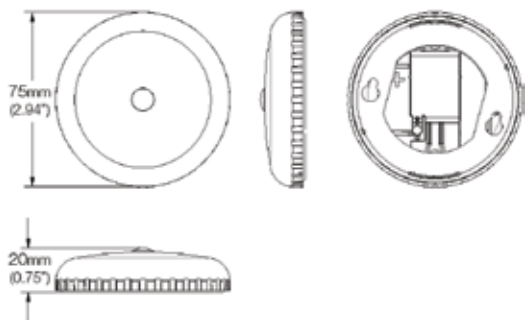
**Humidity Sensor Precision**  
 Reading range from 10 to 90 % R.H. non-condensing 10 to 20% precision: 10%  
 20% to 80% precision: 5%  
 80% to 90% precision: 10%  
**Humidity Sensor Stability**  
 Less than 1.0 % yearly (typical drift)  
**Wiring**  
 Maximum wire length between last indoor unit to SER8150RxB1194 equals 490R (150m) with AWG #18 wire (0.82 mm<sup>2</sup>). Refer to Panasonic VRF guidelines "Wiring System Diagram for Remote Controller" for this limitation.  
 Approximate Shipping Weight  
 0.34 kg (0.75 lb)  
**Safety Standards All Models**  
 LVD Directive 2006/95/EC  
 EN 60950-1:2006/A2:2013  
 UL 873 CSA C22.2 No.24-93  
**EMC Standards All Models**  
 EMC Directive 2004/108/EC  
 IEC 61326-1:2005  
 FCC 15 Subpart B  
 ICES-003

**Radio Standards (Wireless Models)**  
 R&TTE Directive 1999/5/EC  
 IEC 61326-1:2005  
 EN 301 489-1 V1.9.2  
 EN 301 328 V1.8.1  
 FCC 15 Subpart C, Class A  
 RSS 210  
 THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.



Check with your local government for instruction on disposal of these products.

## Ceiling Motion Sensor SED-CMS-P-5045 - Dimensions & Wiring & Specifications



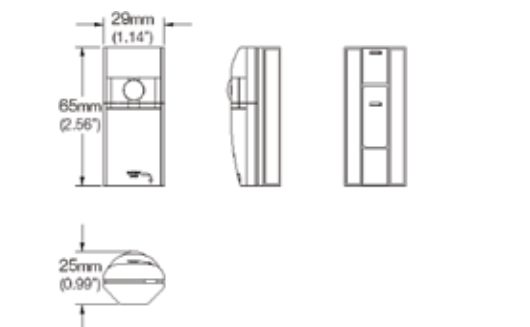
**Dimensions**  
 75mm diameter x 20mm thick (2.94in diameter x 0.75in thick)  
**Colour**  
 White  
**Weight**  
 50g (1.8oz) with batteries  
**Communication**  
 ZigBee, HA1.2 Compatible  
**Communication Range**  
 Up to 40ft (12m), open field 300ft (100m)  
**Detection Range**  
 Maximum: 90 deg cone, 16.5ft (5m)  
 Recommended: 45 deg, 12ft (3.6m)  
**Battery Voltage**  
 1.5VDC Alkaline  
**Battery Cell**  
 2 x AAA (recommended Panasonic LR03XWA)  
**Battery Life**  
 Up to 5 years  
**Ambient Temperature**  
 -10°C to +50 °C (+14 °F to +122 °F)

Certification



Check with your local government for instruction on disposal of these products.

## Wall Motion Sensor SED-WMS-P-5045 - Dimensions & Wiring & Specifications



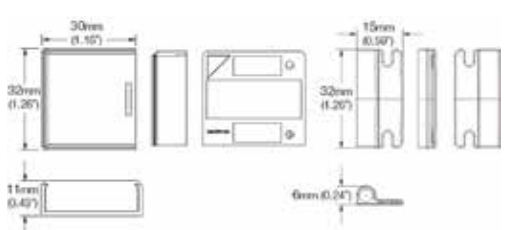
**Dimensions**  
 65mm H x 29mm W x 25mm D (2.56in H x 1.14in W x 0.99in D)  
**Color**  
 White  
**Weight**  
 30g (1.06oz) with battery  
**Communication**  
 ZigBee, HA1.2 Compatible  
**Communication Range**  
 Up to 40ft (12m) open field 300ft (100m)  
**Detection Range**  
 Maximum: 90 deg cone, 16.5ft (5m)  
 Recommended: 47 deg, 16ft (5m)  
**Battery Voltage**  
 3.0VDC Lithium  
**Battery Cell**  
 CR2 (recommended Panasonic CR15H270)  
**Battery Life**  
 Up to 5 years  
**Ambient Temperature**  
 -10°C to +50 °C (+14 °F to +122 °F)

Certification



Check with your local government for instruction on disposal of these products.

## Door/Window Contact SED-WDS-P-5045 - Dimensions & Wiring & Specifications



**Sensor Dimensions**  
 32mm wide x 30mm high x 11mm thick (1.26in wide x 1.18in high x 0.43in thick)  
**Magnet Dimensions**  
 15mm wide x 32mm high x 6mm thick (0.59" wide x 1.26" high x 0.24" thick)  
**Color**  
 White  
**Weight**  
 11g (0.38oz) with battery  
**Communication**  
 ZigBee, HA1.2 Compatible  
**Communication Range**  
 Up to 40ft (12m) open field 300ft (100m)  
**Battery Voltage**  
 3.0VDC Lithium  
**Battery Cell**  
 CR2032 (recommended Panasonic CR2032)  
**Battery Life**  
 Up to 5 years  
**Ambient Temperature**  
 -10°C to +50 °C (+14 °F to +122 °F)

Certification



Check with your local government for instruction on disposal of these products.

\*Except for products for small sized project (Ultra Slim Ducted, Bulkhead Ducted, 4-way Mini Cassette)