



DESCRIPTIONS

The BMS-L107E-PIR-DC-BLE-KL-CWM Eco-Sensor is a low-voltage, wall/ceiling mount dual-tech occupancy sensor that combines PIR and ultrasonic technologies to provide high accuracy and wide coverage. It is equipped with the AlgoH2 algorithm to maximize detection while reducing false-ON triggers. The MS107E Eco-Sensor incorporates daylight harvesting and requires a connection to a power pack or zone controller for operation. (BMWC-L104S-1-BLE-KL-B1, BMWC-L104S-D-1-BLE-KL-B1 or BMWC-L102S-F1-8-BLE-KL).

TECHNICAL DATA

Input Voltage: DC 12V
Housing Material: UL 94-V0
Indoor/Outdoor Use: Indoor Use Only
Operating Temperature: -30°C to 55°C, -22°F to 131°F
Storage Temperature: -30°C to 85°C, -22°F to 185°F
Color: White
Warranty: 5 year warranty
Compliance: RoHs

FEATURES

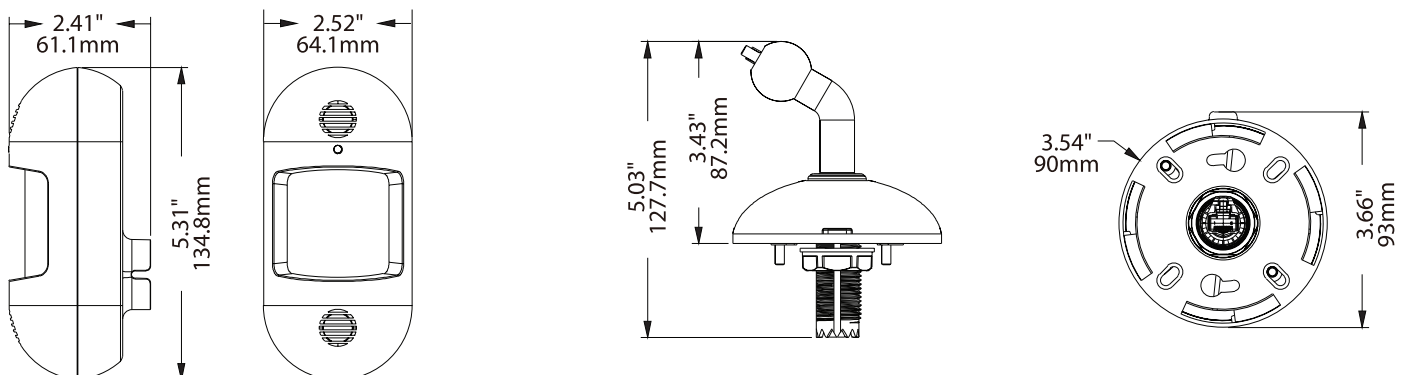
- 12VDC input
- Powered by 12V output on zone controller or power pack. (BMWC-L104S-1-BLE-KL-B1, BMWC-L104S-D-1-BLE-KL-B1 or BMWC-L102S-F1-8-BLE-KL)
- Wall/Ceiling Mount
- Dual-tech PIR + Ultrasonic technology provides high accuracy and wide coverage
- BlueMesh algorithm to maximize detection and reduce false-ON triggers

Requirements

- BMWC-L104S-1-BLE-KL-B1, BMWC-L104S-D- or BMWC-L102S-F1-8-BLE-KL
- BM-RTP with BM-CAT-R10/25/50 cable required (sold separately)

PHYSICAL DIMENSIONS

Unit: inch/mm



ORDERING INFORMATION

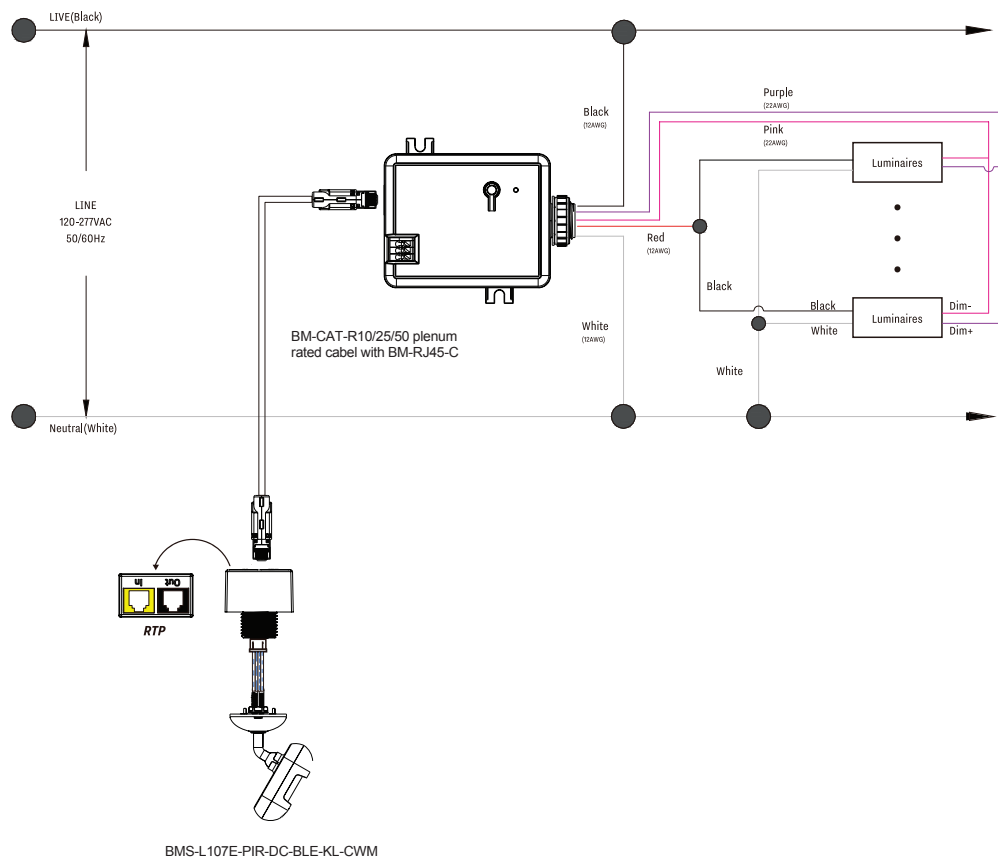
MODEL	DESCRIPTION
BMS-L107E-PIR-DC-BLE-KL-CWM	12V Dual-Tech Ceiling/Wall Mount Eco Sensor, PIR and Ultrasonic, Daylight Harvesting

Ordering Information - Accessories

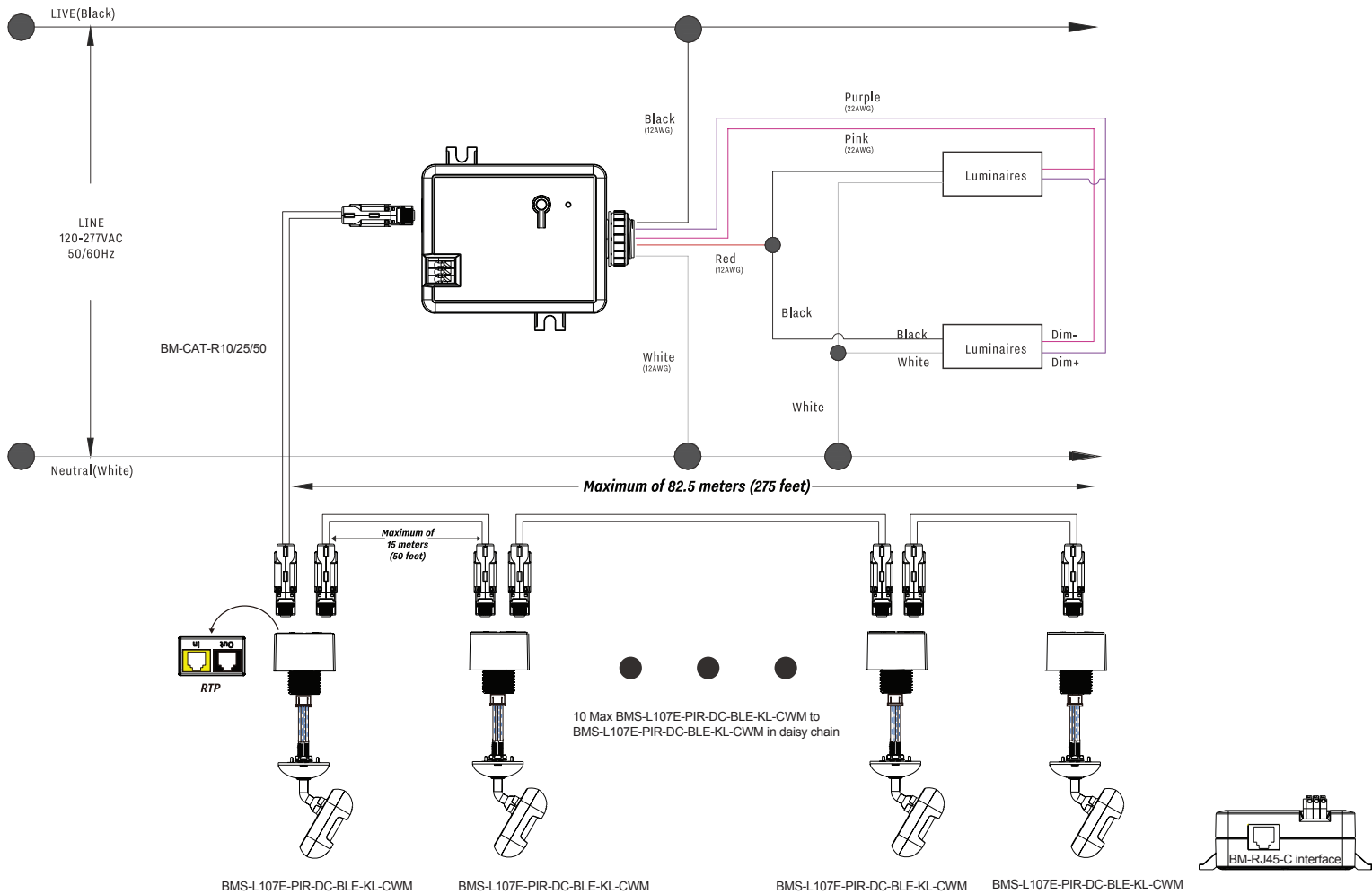
Model	Voltage	Connections	Description
BMWC-L104S-1-BLE-KL-B1	120-277V	Eco-Port /wire terminals	20A Luminaire Controller with Eco-Port
BMWC-L104S-D-1-BLE-KL-B1	120-277V	Eco-Port /wire terminals	20A Luminaire Controller with Contact Closure with Eco-Port
BMWC-L102S-F1-8-BLE-KL	120-347V	Eco-Port	6A Luminaire Controller with Eco-Port
BM-RTP	N/A	RJ45 Eco-Port/PH2.0	Converter from RJ45 to PH2.0 connector
BM-CAT-R10/25/50	N/A	N/A	CAT5e cable with RJ45 male connector on each end
BM-RJ45-C	N/A	N/A	RJ45 female to female coupler

WIRING DIAGRAM

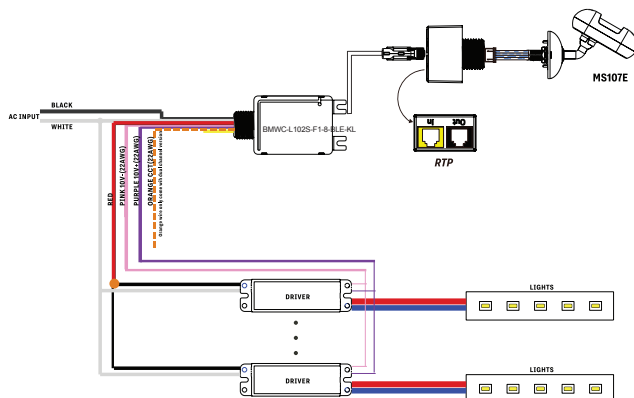
BMWC-L104S-1-BLE-KL-B1



BMWC-L104S-D-1-BLE-KL-B1



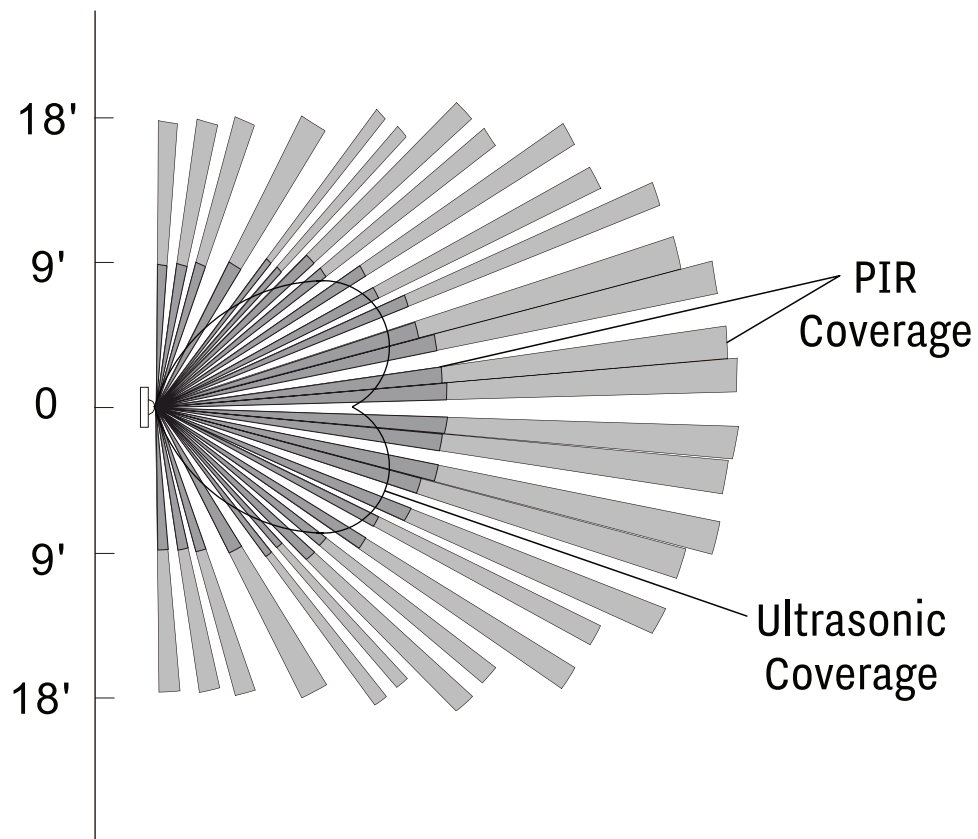
BMWC-L102S-F1-8-BLE-KL



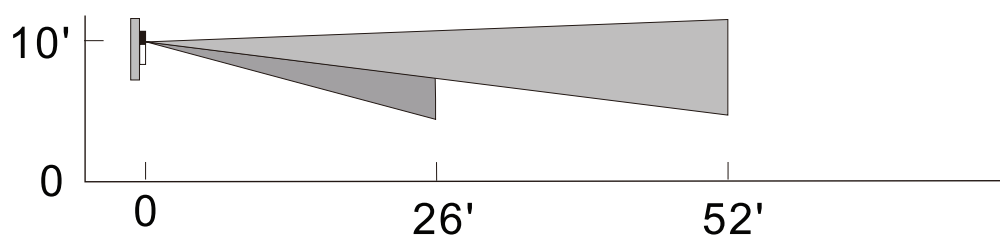
Coverage Pattern

Ref#: 20250703

PIR+Ultrasonic Coverage Top View



PIR Coverage Side View



WARRANTY

Five year limited warranty.

Specifications subject to change without notice.