

FXB156MW 0-10V SILVAIR MICROWAVE SENSOR

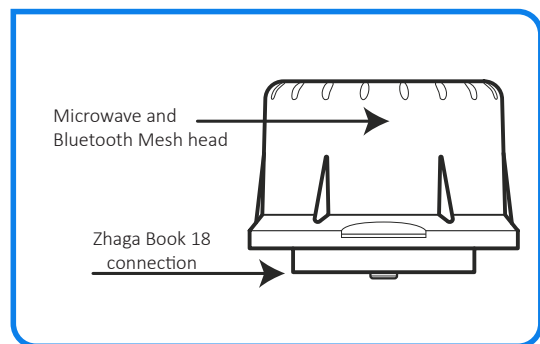


8 YEAR WARRANTY 12-24V DC III UK CA CE 0-10V CONTROL SILVAIR

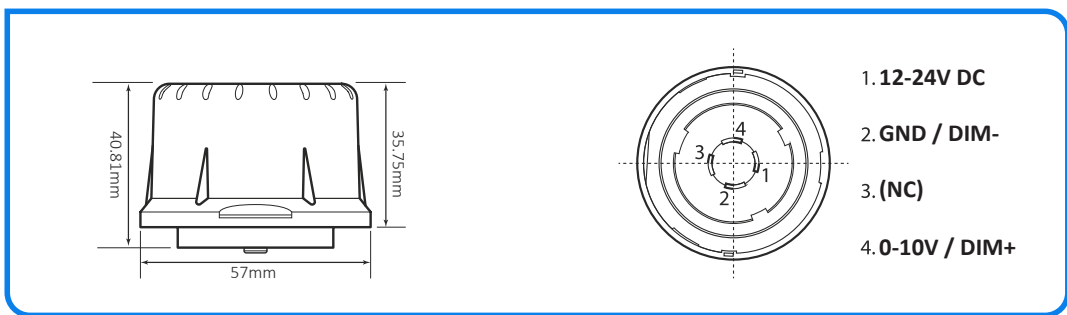
FEATURES

- Bluetooth Mesh Networking
- Settings via Silvaair configuration software
- Power supply via 12-24V aux
- Control via 0-10V output
- Individual / group addressing

KEY ELEMENTS



DIMENSIONS



Technical Data

Operating Voltage	12-24V DC
Rated Load	N/A
Standby Power	<1.0W
Sensor Technology	Microwave
Mounting Height	Max. 8m
Detection Radius	Max. 6m
Operating Temperature	-20°C to 70°C
IP Rating	IP65

Logistics Information

Product Dimensions	57 x 57 x 41mm
Net Weight	0.01kg
Box Dimensions	66 x 65 x 62mm
Gross Weight	0.01kg
Carton Qty	72pcs
Carton Dimensions	440 x 290 x 250mm
Carton Weight	5.50kg
Commodity Code	8536500090

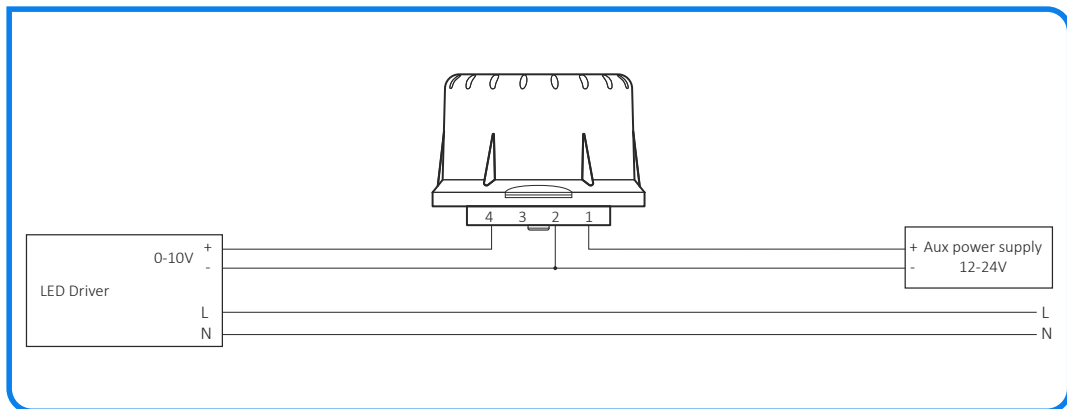
Materials

Housing	Polycarbonate
Finish	Translucent
Colour	Black

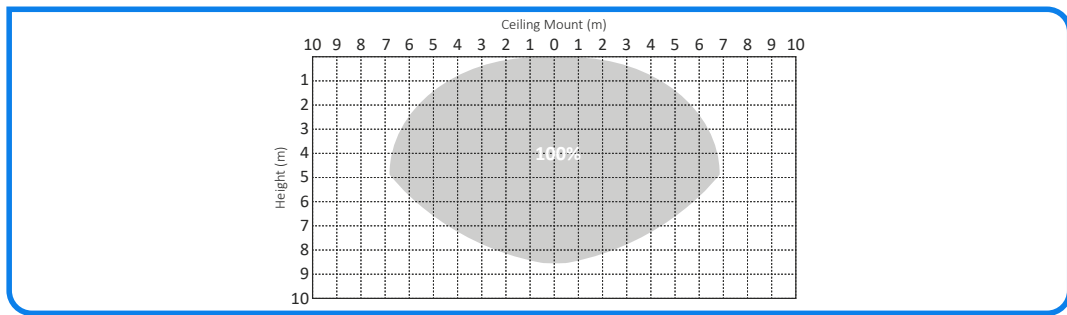
Bluetooth

Operation frequency	2.4GHz-2.483GHz
Transmission power	+4dBm
Transmission range	10-30m
Protocol	Bluetooth Mesh

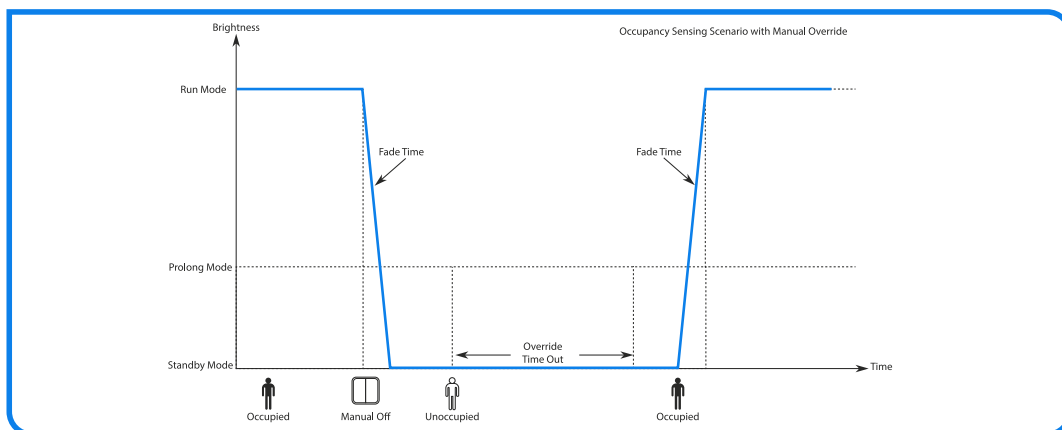
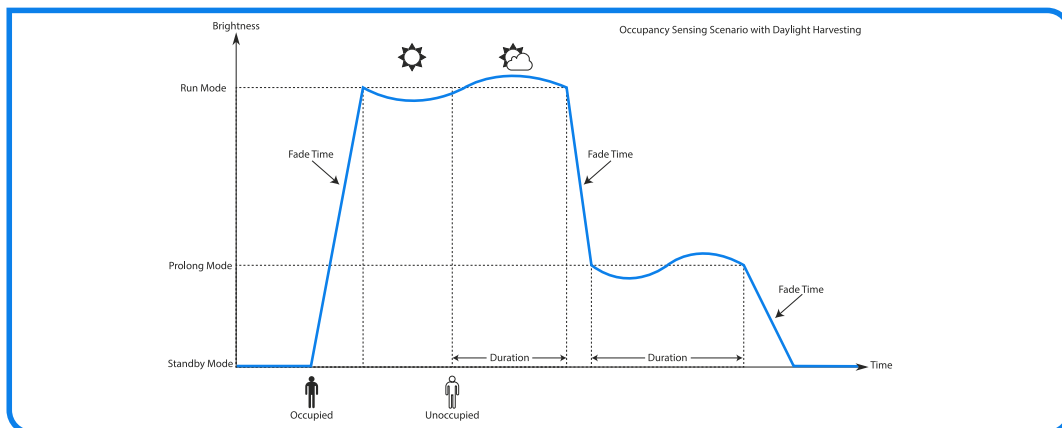
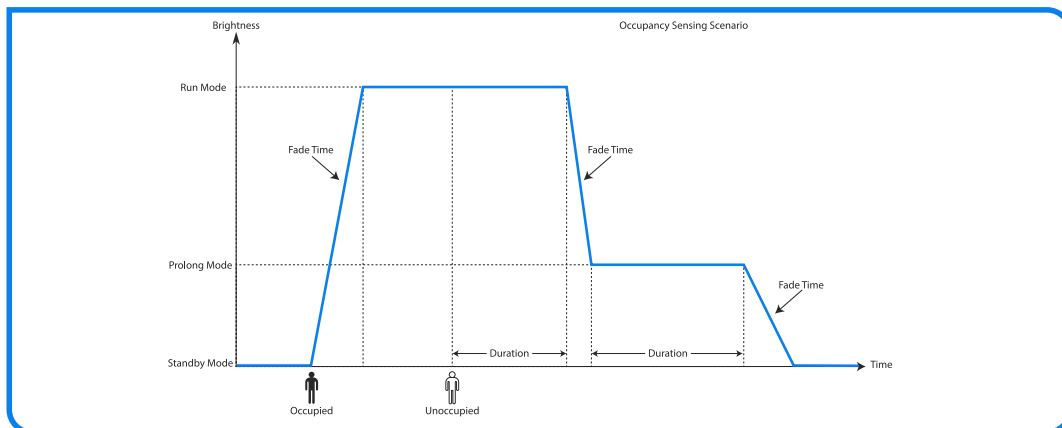
WIRING



DETECTION



OCCUPANCY SENSING SCENARIOS



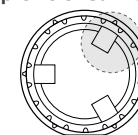
BLUETOOTH CONFIGURATION

Provisioned configurations

The sensor is in unprovisioned mode until it's connected to a "provisioner" which is typically a smartphone app.

The silvair app is available on iOS at <https://silvair.com/en/>

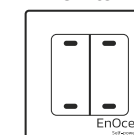
Unprovisioned mode



Bluetooth factory reset

In order to factory reset the sensor head, place a strong magnet near the marked area (e.g. neodymium magnet) for approx. 5s. Once the reset is done, the attached luminaire will flash and be permanently on.

BLE Switch



EnOcean BLE switches can be used to control the Bluetooth Mesh sensor-equipped luminaires. The switches can easily be linked to a Bluetooth Mesh sensor by using the Silvair iOS app.

Network status indication (by green LED)

FXB156MW unprovisioned	30ms ON	270ms OFF
FXB156MW provisioned	30ms ON	1985ms OFF
Factory reset	100ms ON	900ms OFF
MESH package received	30ms ON	20ms OFF
Attention (from network)	500ms ON	500ms OFF

LIGHTING CONTROL SCENARIOS

Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Manual control	On / Off / Scenes	-	-
Occupancy sensing	On / Off / Scenes	AUTO On / Off	-
Vacancy sensing	On / Off / Scenes	AUTO Off	-
Occupancy sensing with Daylight Harvesting	On / Off / Scenes	AUTO On / Off	Enabled
Vacancy sensing with Daylight Harvesting	On / Off / Scenes	AUTO Off	Enabled

SUPPORTED BLUETOOTH MESH MODELS

Bluetooth mesh models servers

Mesh model generic default transition time server	Mesh model sensor server
Mesh model generic level server	Mesh model sensor setup server
Mesh model generic on/off server	-
Mesh model generic power on/off server	-
Mesh model generic power on/off setup server	-
Mesh model light LC server	-
Mesh model light LC setup server	-
Mesh model light lightness server	-
Mesh model light lightness setup server	-