




CLOUD INTELLIGENT OUTDOOR DUAL MOTION AND LIGHT SENSOR POWERED BY POE+

BEFORE YOU START

1) PACKAGE CONTENTS

Confirm that you have the package contents as follows:

1. PoE powered motion detector and light sensor
2. Lens shield label

PATTERN			
ITEM	Motion detector/light sensor	Lens shield label	Quick start
QUANTITY	1	1	1

2) PRODUCT DESCRIPTION

PoEWit PoE powered passive infrared motion detector and light sensor can be mounted on either a wall or ceiling. It is waterproof and can automatically motion trigger PoEWit lighting hardware through cloud connectivity.

The MD-1 can be configured to trigger as many PoEWit lighting hardware as desired. The MD-1 is IOS and andriod app controlled; the user can adjust lux, time and sensitivity through the app.

- Unique construction design for enabling wall mount and ceiling mount.
 - The detector head can be adjusted 90° up / 40° down / 90° left / 90° right for detecting angle adjustment.
 - A photocell is built-in to allow automatically switching on/off the light as per the preset lux value.
 - Meet IP65 protection level.
- Dimensions:

- Wall mount: 162.3 x 98 x 111.4mm (6.3 x 3.85 x 4.38 inch)

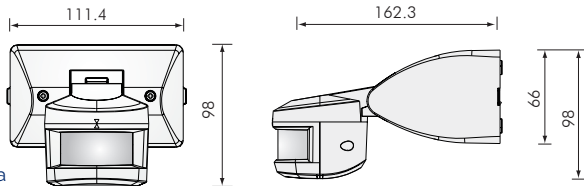


Fig 1a

- Ceiling mount: 108 x 139.4 x 115.3mm (4.25 x 5.48 x 4.53 inch)

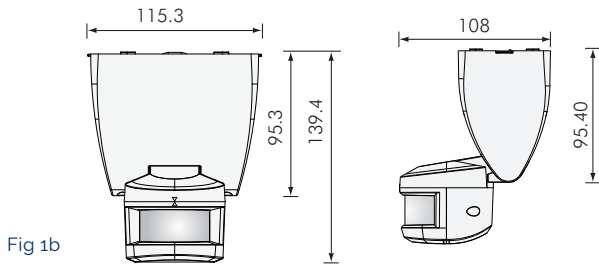


Fig 1b

3) INSTALLATION AND WIRING

- Select a proper location.
- It can be installed at the height of 2 - 4m (6.5 - 13.12 feet). It is recommended to install it at the height of 2m (6.5 feet) to gain optimal detection pattern; the detection range can reach up to 12m (39.37 feet) at the height of 2m (6.5 feet). (See fig 1)

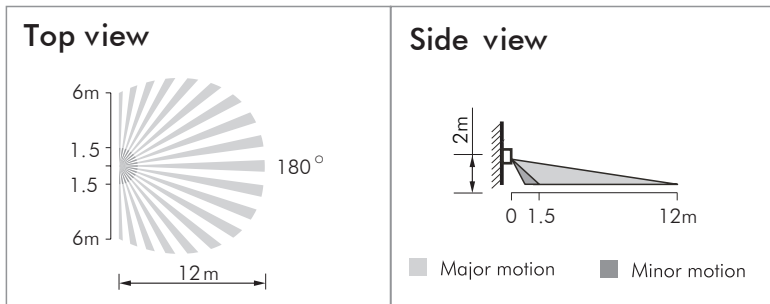


Fig 2

- Helpful tips for installation
 - The optimal installation location can be both indoor or outdoor; garden, corridor, staircase, entrance, garage, public lavatory, outdoor parking area, household and office, etc.

- Since the detector responds to temperature change, please avoid the following conditions:

- 1) Avoid pointing the detector towards the objects whose surfaces are highly reflective, such as mirror, swimming pool, etc.
- 2) Avoid mounting the detector near heat sources, such as heating vents, air conditioners, lights, etc.
- 3) Avoid aiming the detector towards objects which may be swayed by wind, such as curtain, tall plants, etc

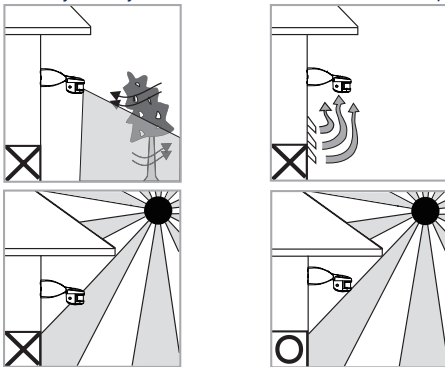
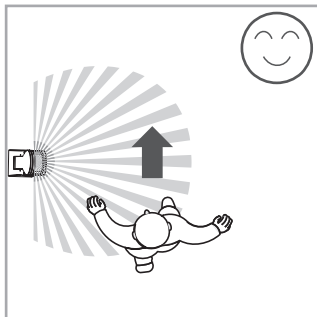


Fig 3

- Pay attention to the walking direction on the test proceeding (see fig 4)

More sensitive to movement
across the detector



Less sensitive to movement
directly towards the detector

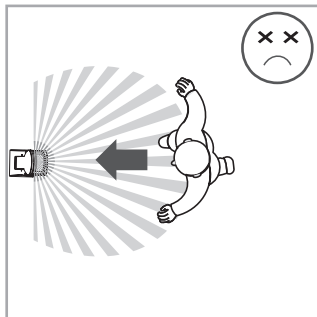
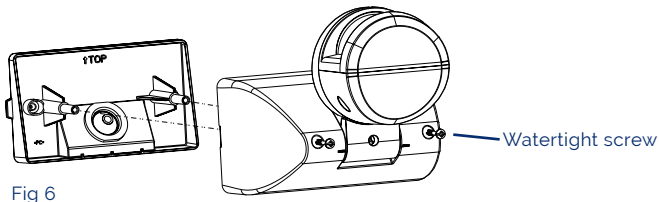
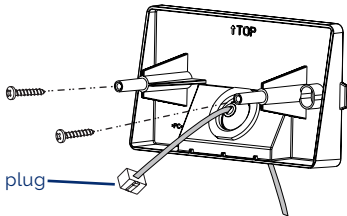


Fig 4

4) INSTALLATION PROCEDURE

- MD-1 can be mounted either on the wall or ceiling.
- Feed the ethernet cable through the rubber gasket (Will need to terminate the RJ45 jack **AFTER** feeding the Cat5 cable through the rubber gasket), then mount the bottom cover on the wall or ceiling using the two screws (see fig 5 and 6)



- Fix the detector head to the bottom cover and adjust the detector head to be in the right position (see fig 7a & 7b)

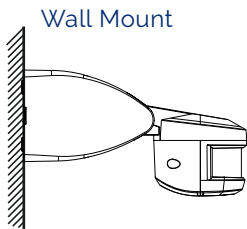


Fig 7a

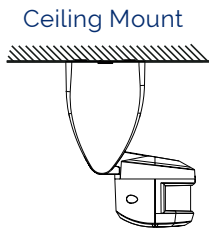
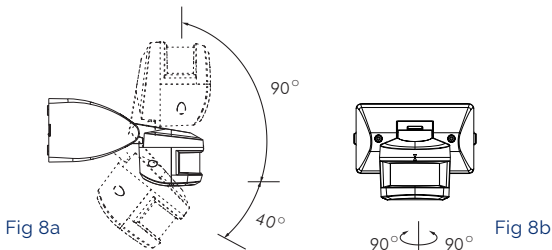


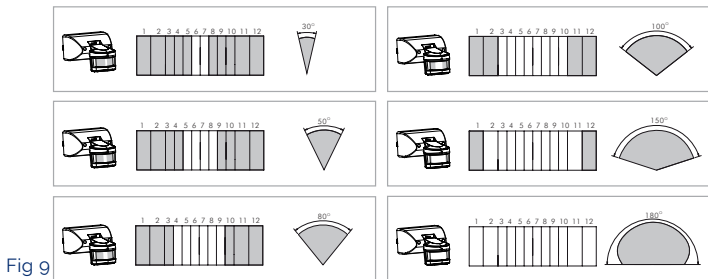
Fig 7b

- Detector head can be adjusted downward to max. 40° and upward to max. 90° vertically (see fig 8a) to shorten the detection range, or turned leftward and rightward max 90° horizontally (see fig 8b). Please adjust detector head to get the desired detection field.



5) USAGE OF LENS SHIELD LABEL

The attached lens shield label can be used to change the detection coverage. With the different layers of labels used, the different coverage can be obtained (see fig 9)



6) CONFIGURATION INSTRUCTIONS

Power up the device and you should be automatically connected to the Internet. You are now ready to download and install our App.

You can search PoEWit in the Apple App Store or Google Play to get the App.

NOTE: Your device and mobile phone both must have an internet connection through the same external IP address and must be on the same local subnet.

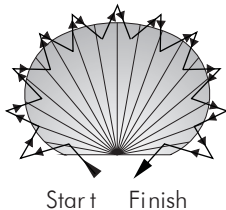
After initial configuration, a PoEWit wall switch and/or PoEWit motion detector PIR can control the lights should the internet connection go down.



7) WALK TEST

NOTE: It takes approx. 60 sec for detector to warm up after power is supplied, then detector enters into normal operation mode to conduct a walk test.

- Use the app and the LED motion indicator to properly calibrate the motion and light sensor.



- Aim the sensor toward the desired detection pattern.
- Set the "Auto Shutoff Time" in the app to zero.
- Walk from outside across to the detection pattern until the red LED trigger turns on for approx 2 seconds then turns off; the next trigger should be 2 second intervals.
- Adjust the detector head aiming in the direction to be detected
- Use the app to adjust the sensitivity and lux levels

The following conditions may cause lower sensitivity:

- In very foggy days, the sensitivity may be less due to moisture collecting on the lens.
- In very hot days, the sensitivity may be less since high ambient temperature is close to body temperature.
- In very cold days when heavy clothing is dressed, especially the facial area is covered, very little heat will be emitted from the body causing the unit to be less sensitive.
- **Cleaning:** Wipe with dry cloth only. Soap or a rough cloth may damage the detector lens.