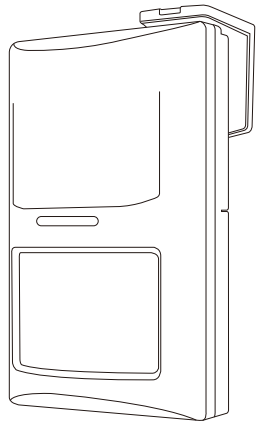


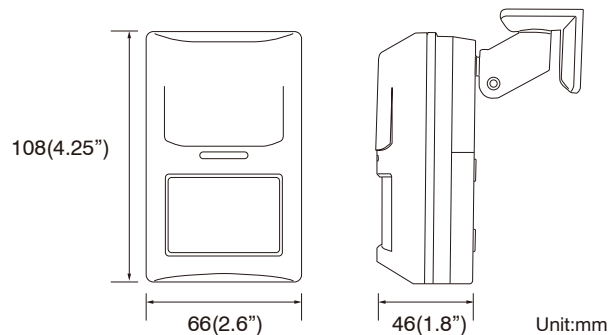
IMS-698

WiFi Enabled Passive Infrared Motion Sensor

INSTALLATION INSTRUCTIONS



DIMENSIONS



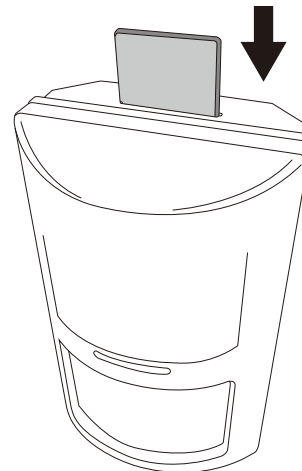
OVERVIEW

The IMS-698 is the first ever WiFi passive infrared motion sensor. Enabled by the Electric Imp solution, IMS-698 provides secure and reliable internet connectivity and integrates the easiest WiFi setup through Electric Imp's patent-pending BlinkUp™ technology. The innovative Imp card has advanced WiFi radio which supports 802.11b/g/n and a powerful ARM processor which runs the Imp OS.

A cutting edge dual element pyroelectric infrared sensor and a unique fresnel lens are employed to provide reliable motion sensing capability. The extremely low power consumption design supports years of sensor operation with 2 x AA sized lithium batteries. IMS-698 can be easily installed on the wall, corner, or ceiling with the multi-directional mounting bracket provided.

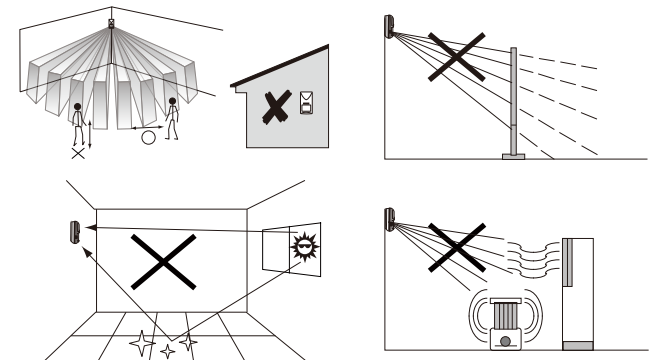
Once IMS-698 is WiFi connected, you can remote control the sensor operation and/or monitor the activity status at the site through the Electric Imp Cloud service via a Smartphone whenever and from wherever you are in the world.

Imp card insert



INSTALLATION NOTES

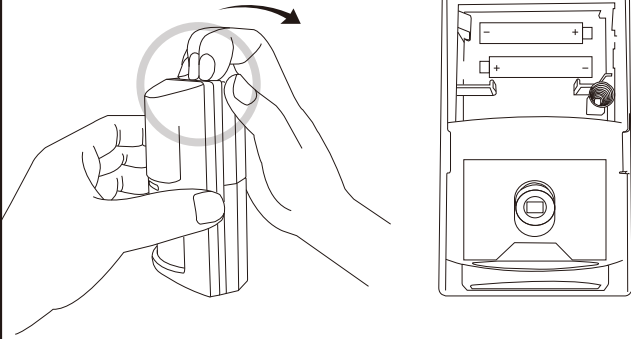
1. The sensor is more sensitive to the movement “crossing” the detection zones than “toward” or “away” the sensor. To obtain better sensitivity, avoid placing the sensor in line with occupant path, if possible.
2. The closer the movement is to the sensor, the more sensitive the sensor is. The higher the sensor is installed, the larger movement is required to be detected.
3. Ensure to place the sensor at least at 1.5m (5 ft.) away from air supply ducts as rapid air flow may cause false activations.
4. The sensor cannot “see” the movements behind obstacles, such as furniture, shelf, glass or partition. As a general rule, each occupant should be able to clearly view the sensor unit.
5. For open office areas with partition which could block the sensor view to occupant movements, it is best to place the sensors over the intersection of multiple workstations. For large areas of open office or space, place multiple sensors so that there is overlap coverage with each adjacent sensor.



INSTALLATION

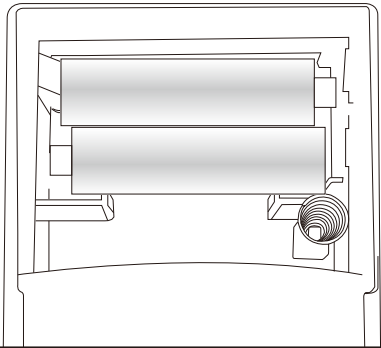
1

Open the cover



Insert battery

2

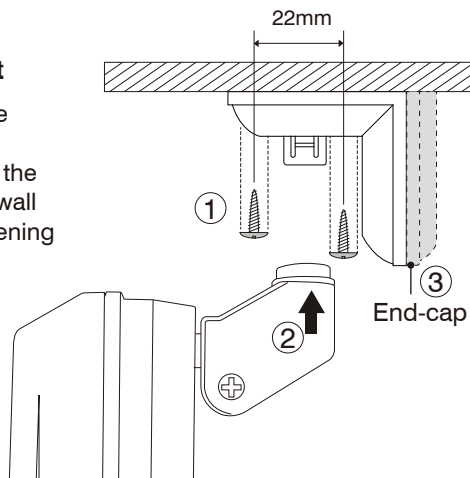


Wall/ceiling mount with bracket

3.1

Ceiling mount

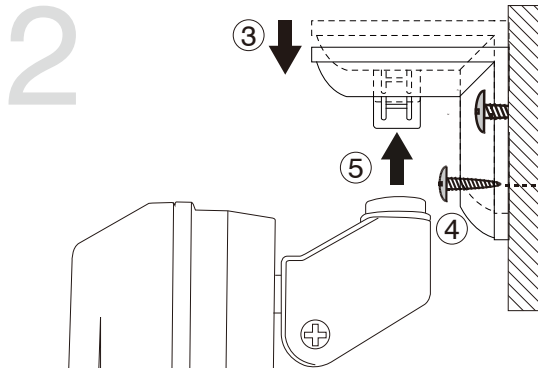
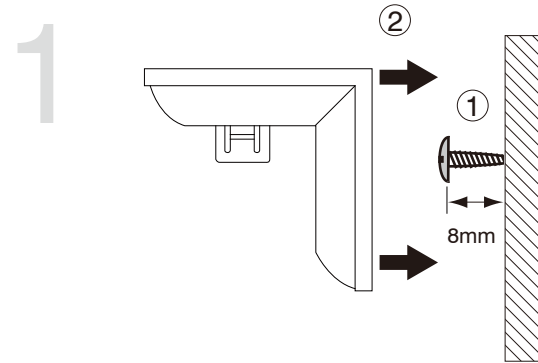
It is best to leave approximately 6 inches between the sensor and the wall so that the tightening screw can be accessed.



Wall mount

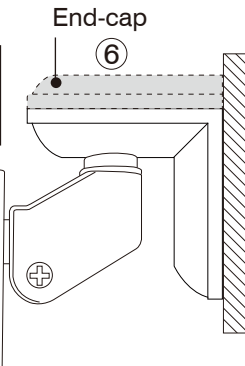
3.2

Mount the first screw with approximately 8mm head-off the wall for ease of base mounting.



3

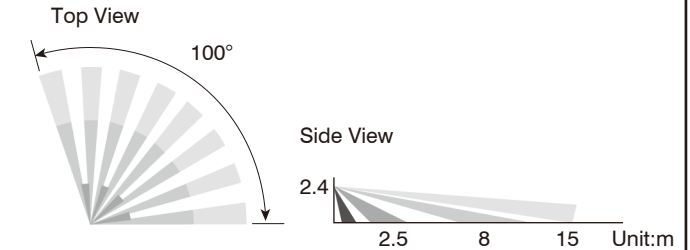
Note: The end-cap can be snap-in to cover the back of bracket.



SPECIFICATIONS

Infrared sensor	Dual-element pyroelectric sensor
Power supply	2 x AA 1.5V Lithium Batteries (not incl.)
Operation voltage	3.0 ± 0.6VDC
Radio specification	2.4GHz WiFi, 802.11b/g/n
Current drain	15uA @WiFi idle
Detectable speed	0.1~3m/sec. (0.33~10ft/sec.)
Mounting height	1.8~3.6m (6~12ft.)
Detection range	110°, 15m @ 25°C (50ft @ 77°F)
Tamper protection	Active low, non-latching
Warm-up time	Approximately 60 sec.
Op. humidity	Max. 95% RH
Op. temperature	-20°C~50°C (-4°F~122°F)
Dimensions	108 x 66 x 46mm (4.25" x 2.6" x 1.8")

DETECTION PATTERNS



WARRANTY

IR-TEC International Ltd. warrants this product to be free of defects in materials or workmanship for a period of five years from date of shipment. There are no obligations or liabilities on the part of IR-TEC International Ltd. for consequential damages arising out or in connection with the use or performance of this product or other indirect damages with respect to loss of property, revenue, or profit, or cost of removal, installation or reinstallation.

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www.irtec.com
P/N:058-69800-002
Printed in Taiwan