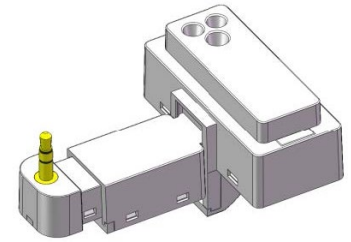


MW-WH-EZ35

EZ-Connect™ Microwave Occupancy and Daylight Sensor



The MW-WH-EZ35 is a Plug & Play Microwave and Daylight Sensor suitable for up to 12' Mounting Heights.

It provides automatic On/Off/Dim control based on motion and/or daylight levels. This sensor actively emits microwaves and uses the Doppler shift of the return waves to detect motion, even through glass and non-metallic walls. Rated for indoor applications, it can be field installed in fixtures equipped EZ-Connect™ receptacle with an EZ35 Snap-in System. Sensitivity, timers, and light levels can be adjusted with a remote programmer (SEN-PROG), sold separately.

TECHNICAL SPECIFICATIONS¹

- **Construction:** White Polycarbonate.
- **Sensing Technology:** 5.8GHz Microwave Sensor.
- **Connection Method:** EZ35 (Compatible with EZ-Connect™ Receptacles with EZ35 Snap-in System).
- **Input Voltage:** 10-14V DC.
- **Current Consumption:** >50mA.
- **Standby Power:** ≤ 0.5W.
- **Control Output:** 0-10V, 25mA.
- **Operating Temperature Range:** -20°C to +70°C (-4°F to +158°F).
- **Max Mounting Height:** 12ft (3.6m).
- **Max Sensor Range:** 50ft (15m) radius.

LISTINGS

- FCC, UL, DLC, RoHS, IP20.

FEATURES

- EZ-Connect™: installs in seconds without tools or wiring.
- MW Detection with 360° Coverage Pattern, best suited for indoor areas with high ambient temperatures, odd shaped rooms, and open spaces with many obstacles (non-metallic).
- Integrated Daylight Sensor for Daylight Harvesting.
- LED Motion Indicator.
- Integrated Dip Switches for Configuration.
- Suitable for Indoor use.

CONTROL SETTINGS

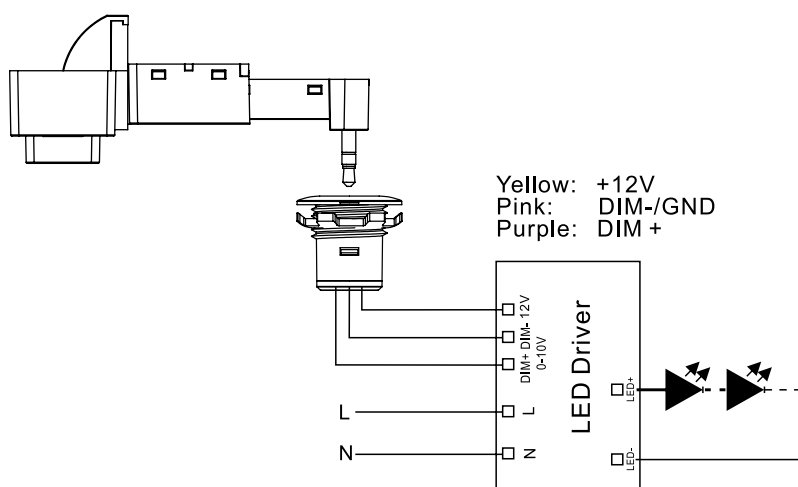
- **Sensitivity (Detection Area):** 50%/100%.
- **Hold Time:** 10s/1min/5min/15min.
- **Daylight Threshold On:** 50lux/disabled.
- **Stand-by Time:** 1min/30min/60min/+∞.
- **Stand-by Dim Level:** 0%/10%/30%/50%.



ORDERING

Part Number	Description
MW-WH-EZ35	Microwave Occupancy and Daylight Sensor, White Color, EZ-Connect™ Snap-in System, Plug & Play, On/Off/Dim, 12' Max Mounting Height, IP20. Field installed. Sensor can be re-programmed with remote SEN-PROG (sold separately).
SEN-PROG	Infrared Remote Programmer. Required to change default settings and modes of operation.

WIRING DIAGRAM

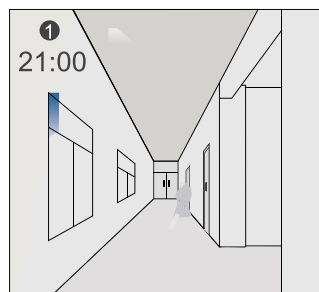


NOTE

Warm up time is 15 seconds. After the sensor connects to input power for the first time, the light will keep on for 15 seconds, then go to dimming to work normally.

On/Off/Dim (Default Mode)

Enable the smart daylight sensor functionality by pushing when the remote programmer is in settings mode.



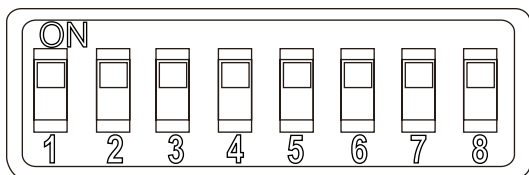
③
21:40



Settings for this example:

- ① $\rightleftharpoons$ ③ goes in cycle
at night ...
- 100% on when movement
detected, and dims to 10%
in long absence.

SENSOR CONFIGURATION VIA DIP SWITCHES



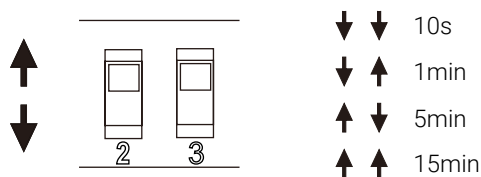
[1] Sensor Sensitivity

Modifies the radius of the circular detection area at ground level when the sensor is installed at a height of 15ft.



[2-3] Hold Time

Sets how long the fixture will stay On at full brightness after no motion is detected. The shortest time is only recommended for adjusting the sensor sensitivity and performing the walk test.



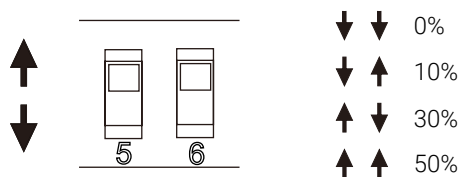
[4] Daylight Threshold On

If motion is detected and the ambient illumination is below the set Daylight Threshold, the fixture will turn On and hold time will start. If motion is detected and ambient illumination is above the threshold, the fixture will stay Off.



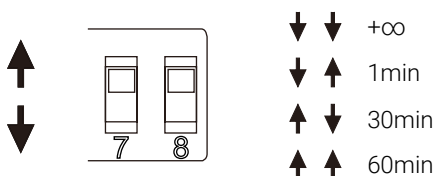
[5-6] Stand-by Dim Level

Sets the level of low light output (a % of the maximum light output of the fixture) after the Hold Time has elapsed and no further movement is detected.



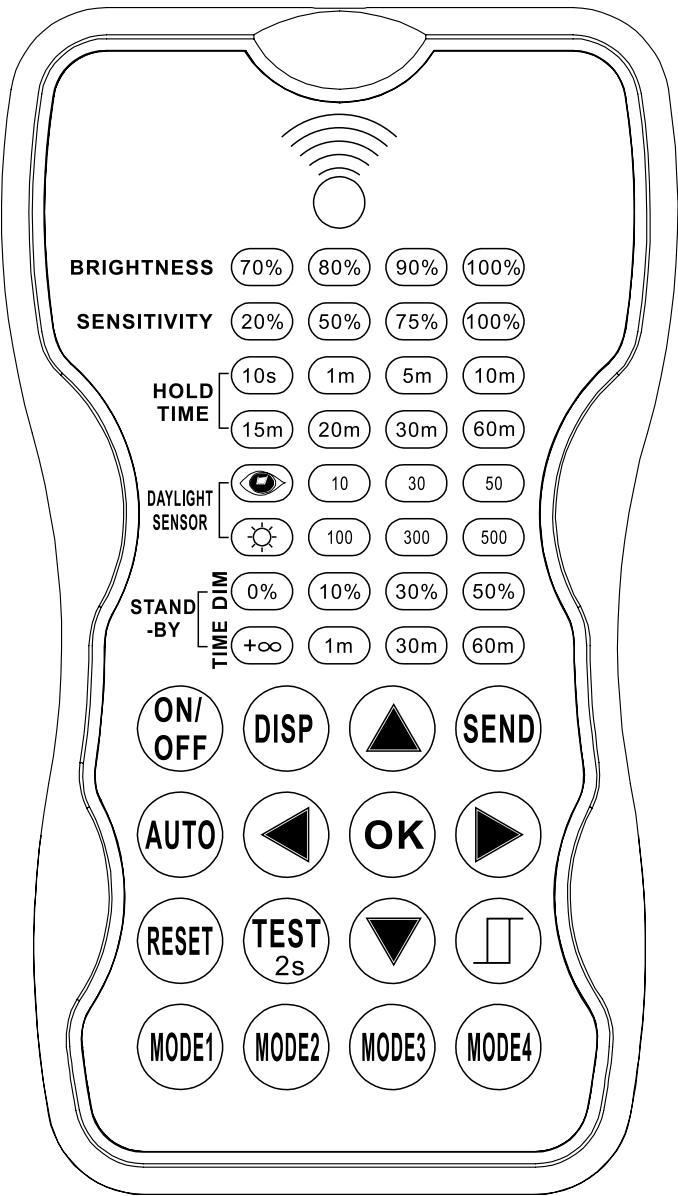
[7-8] Stand-by Time

Sets the time period to keep the fixture at a low light output (Stand-by Dim Level) before switching off in the long absence of motion.



INFRARED REMOTE PROGRAMMER

The Infrared Remote Programmer (SEN-PROG), sold separately, can change all settings and modes of operation.



Specifications

Power Supply	2 x AAA 1.5V batteries.
Upload Range	Up to 50 ft.
Op. Temperature	0°C to 50°C (32°F to 122°F).

LED Indicators

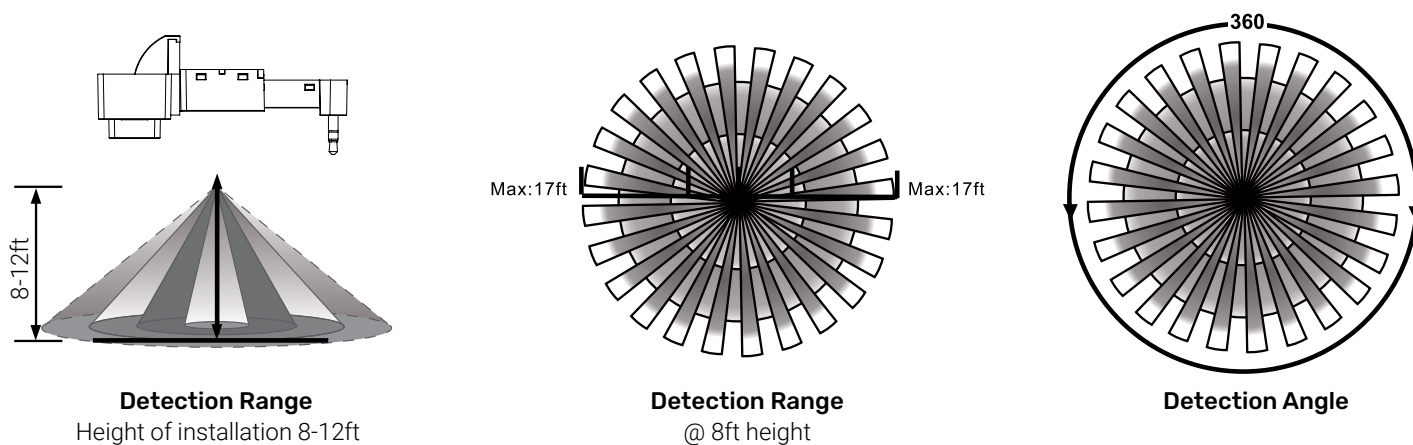
Brightness	Light output during occupancy.
Sensitivity	Detection area of the sensor.
Hold Time	Time the sensor waits to turn off or dim the light after the area is vacated.
Daylight Sensor	Daylight sensor status and daylight threshold values in lux.
	Daylight harvesting function. Selects the current surrounding lux value as the daylight threshold.
	Daylight sensor disabled. All motion detected turns on the light, no matter how bright the natural light is.
Stand-by Dim	Light output during vacancy.
Stand-by Time	Time the sensor keeps the light at stand-by dim level after the hold time has elapsed.

Scene Modes

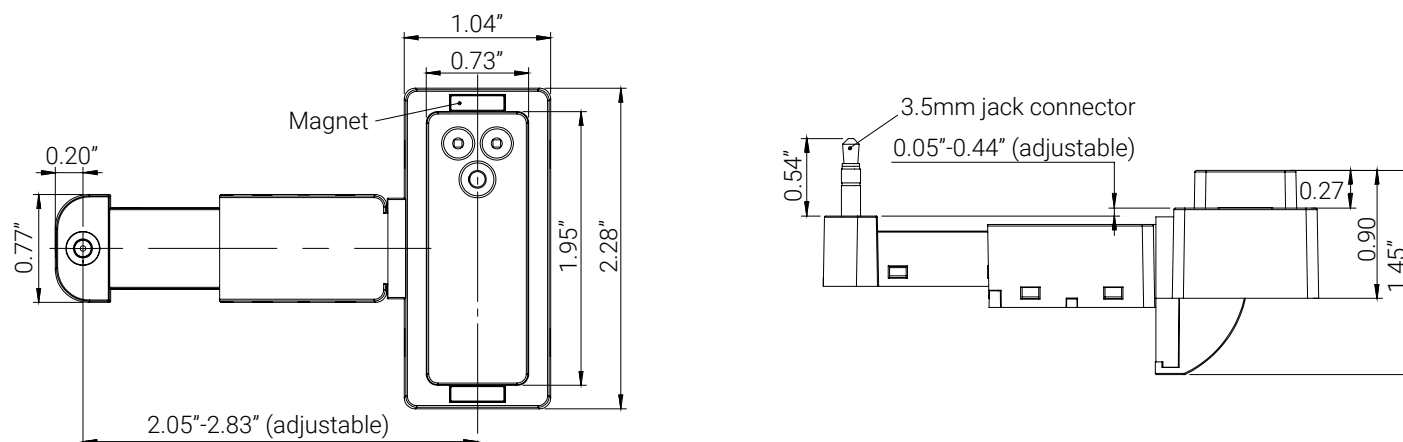
The remote comes with four pre-programmed modes. These can be used as is, or adjusted with different parameters and saved over an existing mode.

Scene	Application	Brightness	Sensitivity	Hold Time	Stand-by Dim	Stand-by Time	Daylight Sensor
MODE 1	Indoor	100%	75%	5min	30%	30min	Disabled
MODE 2	Indoor	100%	75%	1min	30%	+∞	Disabled
MODE 3	Indoor	100%	75%	5min	30%	30min	30lux
MODE 4	Outdoor	100%	75%	1min	30%	+∞	30lux/300lux

SENSOR COVERAGE



DIMENSIONS & DRAWINGS



FOOTNOTES

1. The performance of sensors and lenses is influenced by various factors beyond Linmore LED's control, including but not limited to environmental conditions, user settings, and proper maintenance. While we provide detailed specifications and guidelines to help optimize performance, we cannot guarantee or be held liable for the performance of sensors or lenses under any particular circumstance(s). Customers are advised to test the products in their specific application environments to ensure suitability for their intended use and are responsible for all sensor and lens selections.

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