DATE: 11/28/2022 FIRMWARE: 1.0 ERP CODE: 10.00746
VERSION: 1.0 CATALOG#: C

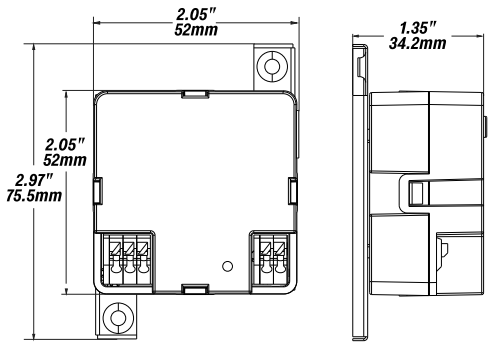
Basic Line Voltage Microwave Sensor

FEATURES

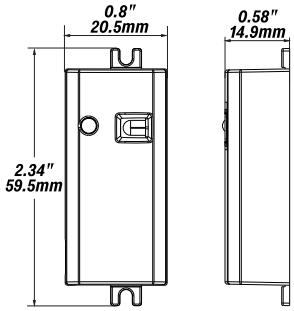
- The MWS01 Microwave Occupancy Sensor is a line voltage sensor that turns lighting ON/OFF and Bi-level dimming.
- Super-compact node make it possible to fit into very limited space fixture like ceiling lights.
- Different mode can be selected according to different applications through RM51 IR remote controller.
- Mounting bracket which magnet integrated facilitates installation in various mounting positions.
- Microwave Sensor can detect motion through many dense materials other than metal, so it can be installed behind fixture lenses and hidden from view.

DIMENSION

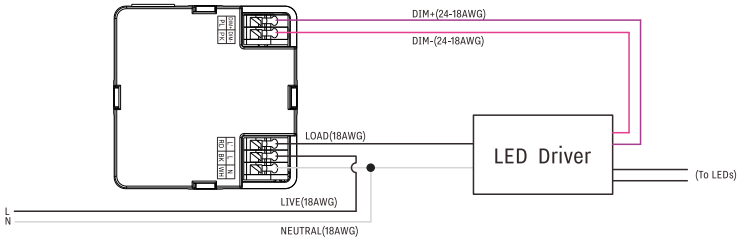
Unit:inch/mm



NODE01:



WIRING



MODEL	DESCRIPTION
MWS01	Fixture Built-in Low Bay Sensor

SPECIFICATIONS

Input Voltage: AC120-277V

Frequency: 50/60Hz

Input Current: 6A Max @ 120V,

4.3A Max @ 277V

Input Power: 720W Max @ 120V,

1200W Max @ 277V

Output Voltage: AC120-277V

Output Current: 6A Max @ 120V,

4.3A Max @ 277V

Output Power: 720W Max @ 120V,

1200W Max @ 277V

Dimming: 0-10V DC 10mA Max

Sinking Current: 10mA Max

Housing Material: UL 94-V0

Indoor Use Only

Detection Range: 40ft Max

Mounting Height: 20ft Max

IR Remote Distance: Max 20'

Operating Temperature: -30℃ to 55℃,

-22°F to 131°F

IP Rating: IP20

Color: White

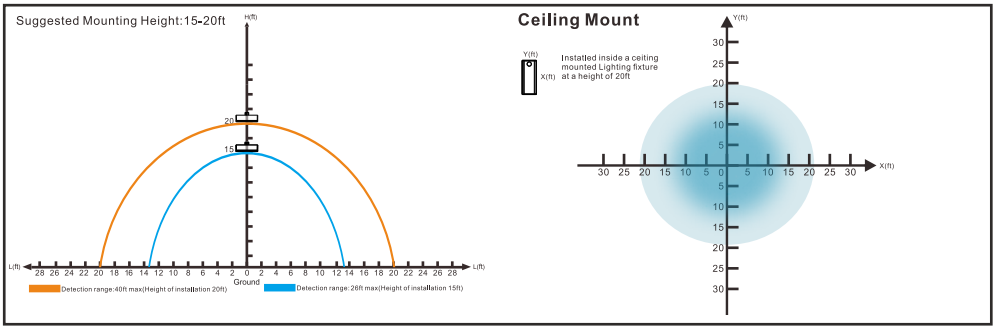
Warranty: 5 years warranty

Comply to UL8750, RoHS

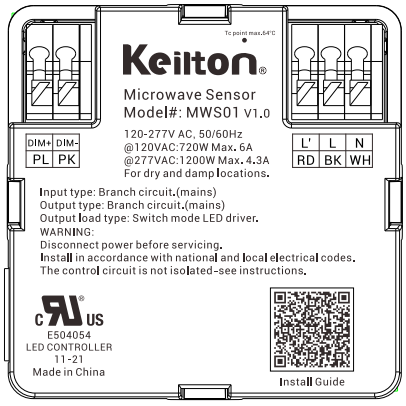
Safety: cULus Recognized Component

LED Controller E504054

COVERGE



MARKING



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REMOTE INSTRUCTION

Memory Mode (Commissioning) To begin commissioning, follow the steps below:

1. Select either A, B, C, D.
2. Indicator lights on the remote will flash to indicate the current saved settings.
3. Settings can be configured by pressing appropriate buttons in the highlighted gray area of the remote. (TRIM-LEVEL, SENSITIVITY, HOLD TIME, STANDBY DIM, STANDBY TIME, and PHOTOCELL). Review selected settings and make changes as necessary.
4. Point IR remote to desired luminaire for configuration and press " SEND".
5. If configuration is successful, luminaire will flash two times suggesting settings are saved. Any parameter change to the current saved settings on A to F will override previous settings and will be automatically saved on the remote. If configurating multiple luminaires, select the configured memory mode A to E then follow steps 4 and 5.

*** **E Mode** allows visual adjustment to choose the desired dimming Level.

Continuous Adjustment Mode or Daylight Harvesting (F Mode) enables dimmability in response to daylight availability.

1. Point IR remote to desired luminaire.
2. Press " ON" then press DIM+ or DIM- to adjust dimming level.
3. Press "F", indicator lights on the remote will indicate current saved settings. Note: only TRIM-LEVEL, SENSITIVITY, and HOLD TIME can be selected for Daylight Harvesting settings.
4. Review selected settings and make changes as necessary. Press " SEND".
5. If configuration is successful, luminaire will flash twice to confirm setting saved.If configurating multiple luminaires, select the configured DAYLIGHT HARVESTING settings then follow steps 4 and 5.

Reset Mode

Default Settings:Motion --> 100%,No Motion >= 5min --> DIM to 30%, No Motion >= 60min --> Off

ON	Turns ON Luminaires
OFF	Turns OFF Luminaires
TEST	Test mode will last 5 mins then return to previous setting Test mode will hold time 2 seconds SDL 50% and standby time 2 seconds
RESET	Trim-High=100%,sensitivity=High,T1=5min,Standby Dim=30%, T2=60min,Photocell=OFF
DIM+/-	Remote will manually dim luminaire up or down by increments of 0.5volts. Must be smooth dimming if holding dimming button.
TRIM-LEVEL	Set Maximum threshold value 50/75/100%
SENSITIVITY	OFF(PIR OFF Enter PC ON/OFF function)/LOW(50%)/HIGH (100%)
HOLD TIME	(time of no occupancy after which fixture goes to standby) 30s / 5min /15min / 30min
F MODE DAYLIGHT HARVESTING	(Enable/Disable) Measure and set feature to allow the fixture to maintain a light level. If turned ON.
STANDBY DIM	Select any standby dim level 0/10/30/50%
STANDBY TIME	Standby time - 10s / 5min/15min / 30min /1h/∞. "∞" means the stand-by time is infinite and the fixture is effectively controlled by the daylight sensor)
PHOTOCELL	LOW (1fc) / HIGH (50fc)/CAL Collecting The current Lux Level OFF
MODE	Set settings to a Program profile A to F
SEND	Send settings to sensor
DEFAULT MODE A	Trim-High=100%,sensitivity=low,T1=30min,Standby Dim=50%, T2=∞,Photocell=CAL
DEFAULT MODE B	Trim-High=100%,sensitivity=low,T1=30min,Standby Dim=50%, T2=15min,Photocell=CAL
DEFAULT MODE C	Trim-High=100%,sensitivity=low,T1=30min,Standby Dim=50%, T2=15min,Photocell=OFF
DEFAULT MODE D	Trim-Low=50%,sensitivity=low,T1=30min,Standby Dim=50%, T2=30min,Photocell=CAL
DEFAULT MODE E	Manual Mode,Trim-High=100%
DEFAULT MODE F	Daylight Harvesting,Trim-Low=50%,sensitivity=low,T1=15min