Manuals+ — User Manuals Simplified.

Keilton MWS01 Fixture Sensor Instruction Manual

Model# MWS01, MWS0

Contents

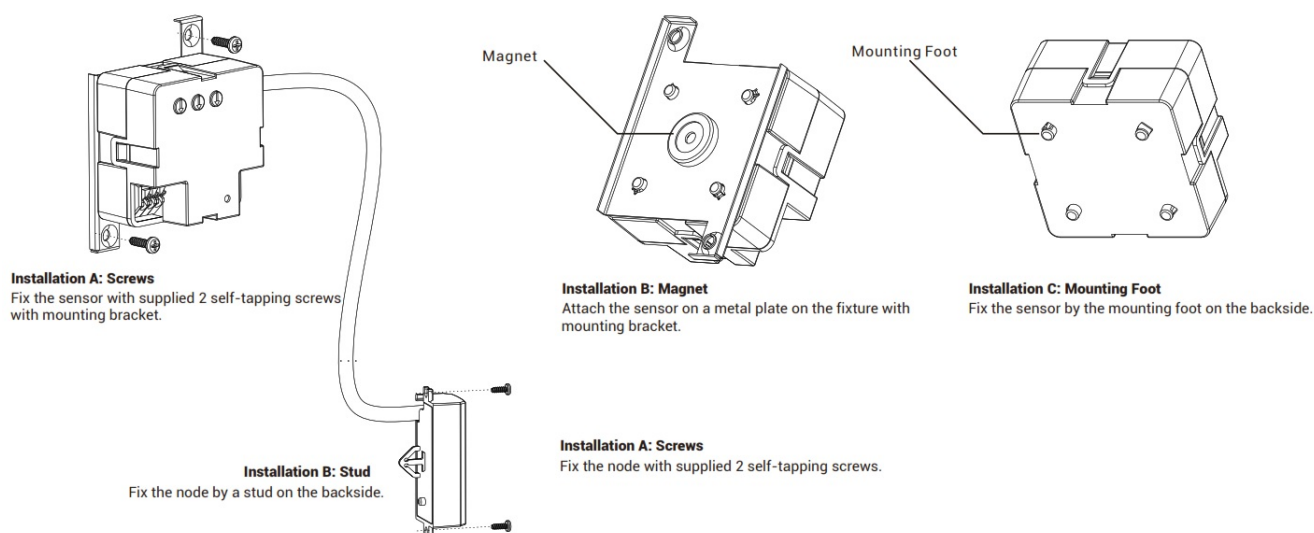## FIXTURE SENSOR INSTALLATION INSTRUCTION

⚠ **WARNING:** TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE INSTALLING THE SENSOR.

Keilton®

Microwave Sensor
Model#: MWS01

120-277V AC, 50/60Hz
@120VAC:720W Max. 6A
@277VAC:1200W Max. 4.3A
For dry and damp locations.

DIM+	DIM-
PL	GY

L'	L	N
RD	BK	WH

Input type: Branch circuit.(mains)
Output type: Branch circuit.(mains)
Output load type: Switch mode LED driver.

WARNING:
Disconnect power before servicing.
Install in accordance with national and local electrical codes.
The control circuit is not isolated-see instructions.

c(UL)us
E504054
LED CONTROLLER
04-20
Made in China

Mode Selection — MODE

0-10V Dimming Level — DIM

Time Delay — TIME

Daylight Sensor

Infrared Remote Receiver

INSTALLATION

Installation A: Screws
Fix the sensor with supplied 2 self-tapping screws with mounting bracket.

Installation B: Stud
Fix the node by a stud on the backside.

Magnet

Installation B: Magnet
Attach the sensor on a metal plate on the fixture with mounting bracket.

Installation A: Screws
Fix the node with supplied 2 self-tapping screws.

Mounting Foot

Installation C: Mounting Foot
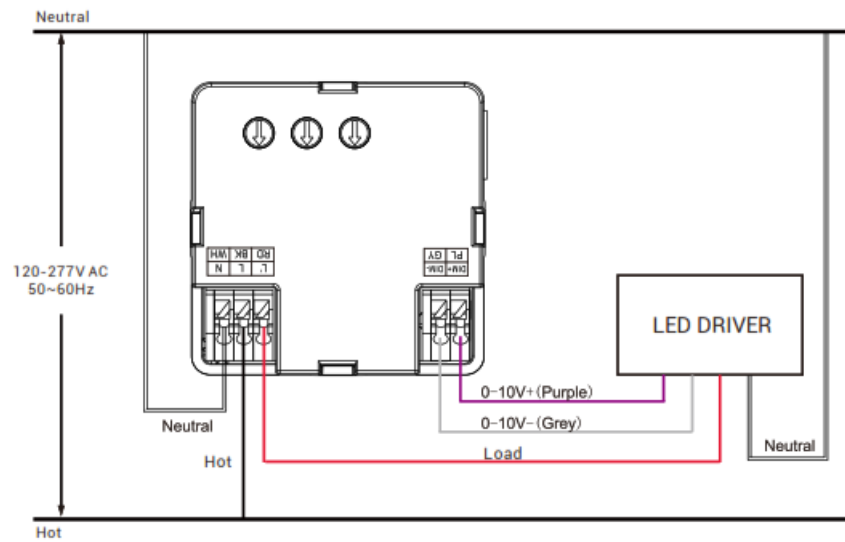Fix the sensor by the mounting foot on the backside.

NOTE: This installation needs punch 4*4mm holes on the fixture enclosure which should be done by the OEM manufacturer.
NOTE: This installation needs to punch a hole in the fixture enclosure which should be done by the OEM manufacturer.
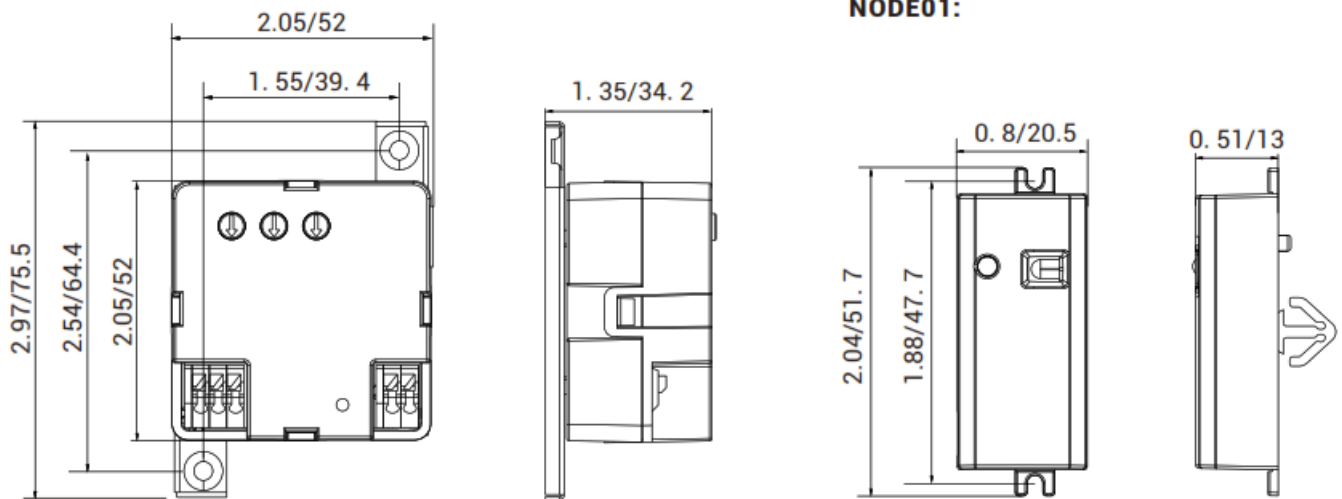
WIRING

NOTE:

1. Push the terminals to connect and release the wires.
2. Use at least 18 AWG solid wires.
3. Strip at least 8mm insulation from conductors.

Neutral

120-277V AC
50~60Hz

Neutral

Hot

Hot

LED DRIVER

0-10V+(Purple)

0-10V-(Grey)

Load

Neutral

DIMENSION

2.05/52

1.55/39.4

1.35/34.2

NODE01:

0.8/20.5

0.51/13

2.97/75.5

2.54/64.4

2.05/52

2.04/51.7

1.88/47.7

TIME: 30s / 1min / 5min / 10min / 30min
DIM: 10%-100%
MODE: A, B, C, D, E
FACTORY SETTING: TIME-30s, DIM-50%, MODE-C

Model MWS01 is controlled and programmed by potentiometers or a remote controller(Model#RM01).
Model MWS02 is controlled and programmed only by potentiometers.
NOTE: To verify sensor control function is normal, please conduct the test procedure after wiring by following the below instructions.
Once powered on, the light will go soft on and soft off twice.

Potentiometer Operation:
Step 1- Testing

1. Select **Mode C.**

2. The light will turn to full-ON while occupancy detected.

3. The light will dim to DIM level after **5s.**

4. The light will turn OFF if no occupancy is detected within another **3s.**

5. Testing Mode will last for **1min**, then switch to Mode C automatically.
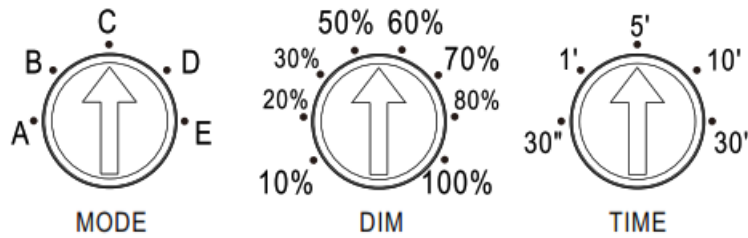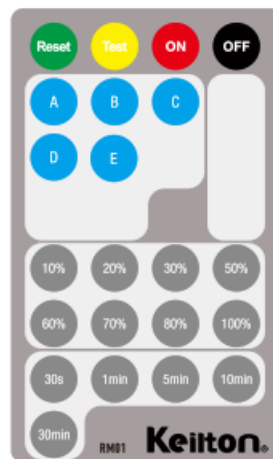
ill.1

Step 2-Parameter Setting. Select desired Mode, Time, and Dimming level.

Remote Controller Operation:
Step 1- Testing

1. Hit the "Test" button on the remote controller.
2. The light will turn to full-ON while occupancy detected.
3. The light will dim to DIM level after 5s if no occupancy is detected.
4. The light will turn OFF if no occupancy is detected within another 3s.

ill.2

Step 2-Parameter Setting

1. Select desired Mode, Time, and Dimming level.
2. Each time you hit the button, the light will blink twice to indicate the setup succeeded. The sensor will not respond during a blink.
3. Other buttons which not show in ill.2(see right) are not valid for this sensor.
   IMPORTANT: If you have operated on the remote controller, the Potentiometer will be disabled, hit "Reset" on the remote controller to enable Potentiometer operation.
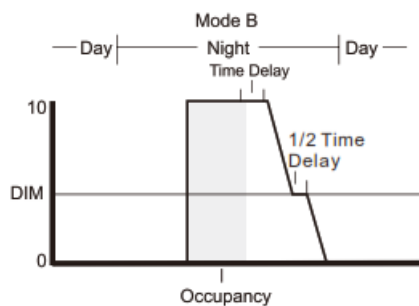
CONTROL MODES

MODE A

1. Turn OFF the light while ambient light >100 LUX.

2. Turn the light to DIM level while ambient light<100 LUX.

3. Dim the light to full-ON while occupancy is detected.

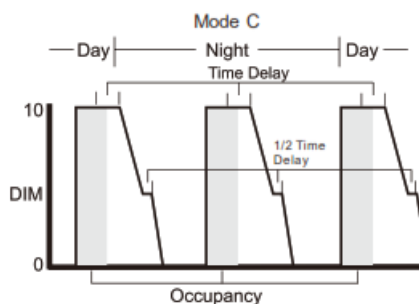4. Dim the light to DIM level after the delay time elapsed.

Mode A
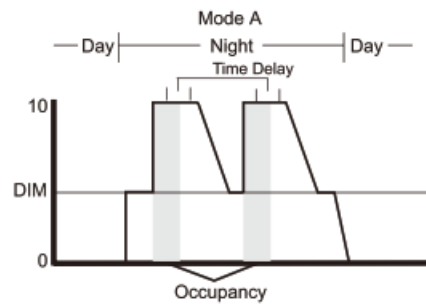
MODE B

1. Turn the light to full-ON while ambient light <100 LUX AND occupancy is detected.

2. Dim the light to DIM level after the delay time elapsed.

3. Turn OFF the light if no occupancy is detected within another 1/2 TIME.

Mode B

MODE C

1. The ambient light sensor is disabled

2. Turn the light to full-ON while occupancy is detected.

3. Dim the light to DIM level after the delay time elapsed.

4. Turn OFF the light if no occupancy is detected within another 1/2 TIME.

Mode C

MODE D

1. Turn the light to DIM level while ambient light <100 LUX AND occupancy is detected.

2. Turn OFF the light after the delay time elapsed.

Mode D
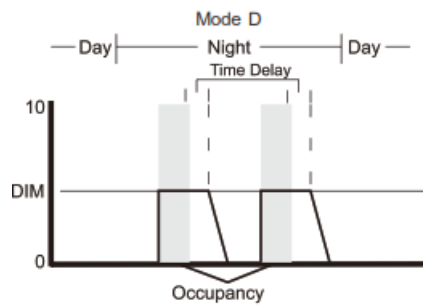
MODE E
NOTE:
This mode allows visual adjustment to choose the desired Dimming Level.

1. If the Time rotary is set at maximum, the light turns ON at the DIM level.
2. If the Time rotary is sent at minimum, the light turns OFF.
3. Note that after turning the Time rotary to change the ON/OFF setting, the unit will not respond to further changes for 3s.

Keilton®

V202005

Documents / Resources
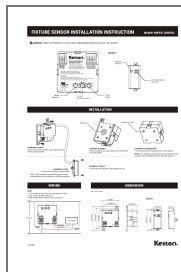
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MWS02, MWS01, Fixture Sensor, MWS01 Fixture Sensor, Sensor