

MS04-RC OPERATING MANUAL

Suitable for use with MS04-MW-TW-DC, HB01DMS-B, HB01DMS-C, and MS01-PIR-TW-DC

BRIGHTNESS:

Sets the maximum Brightness level during the Hold Time period, or On/Off function.

STANDBY DIM:

Once the Hold Time has expired and there is no motion, the luminaire will dim to the Standby Dim level. It will remain at this level for the duration of the Standby Time setting, providing no motion is detected.

SENSITIVITY:

Adjusts the detection range.

DAYLIGHT:

To be used in applications where the sensor will have a direct view of natural light, similar to a photocell. By default, the Daylight control is disabled, and the indicator will not illuminate.

ON/OFF FUNCTION:

Press and hold for 3-5 seconds to enter or exit On/Off mode on the remote, then press **Send**. When in On/Off mode, all remote indicators except Brightness will be disabled. Press **ON/OFF** to turn the luminaire permanently On or Off - Motion sensing is disabled.

BRIGHTNESS:

Press to set brightness level: 70%, 80%, 90% 100%. See +/- buttons for further brightness adjustment range information. Note: In luminaires with adjustable power switches, percentages are of the luminaire's maximum power.

HOLD TIME:

Press to set the hold time period: 10s, 1min, 10 min or 30 min.

SENSITIVITY:

Press to set the detection Sensitivity: 20%, 50%, 75% or 100%. Note: PIR sensor does not allow any changes to the sensitivity setting. The sensitivity is 100% by default.

+/- :

These buttons allow brightness adjustment from 100% of the luminaire's power to 0%. Press and hold either + or - to gradually increase or decrease the brightness/power.

TEST FUNCTION:

By pressing this button, the sensor goes to Test Mode - Hold Time 3s, Standby Time 3s. Press the "TEST" button again to exit the test mode.

HOLD TIME:

The initial stage of the motion cycle, during which the luminaire stays at the selected Brightness. If no motion is detected, the luminaire dims to the Standby Dim setting. If motion is detected, the time resets.

STANDBY TIME:

The amount of time that the fixture will remain at the Standby Dim level before turning off, providing no motion is detected. If motion is detected, the luminaire will go back to the selected Brightness and the Hold Time will reset. When the +∞ setting is selected, the luminaire will remain at the Standby Dim level indefinitely.

SEND:

Press while pointing at an installed, powered on sensor to save settings currently shown on the remote indicators. The luminaire will flicker ON/OFF to confirm that the settings are registered.

STANDBY DIM:

Press to set Standby Dim level: 10%, 20%, 30% or 50%. Note: In luminaires with adjustable power switches, percentages are of the luminaire's maximum power.

STANDBY TIME:

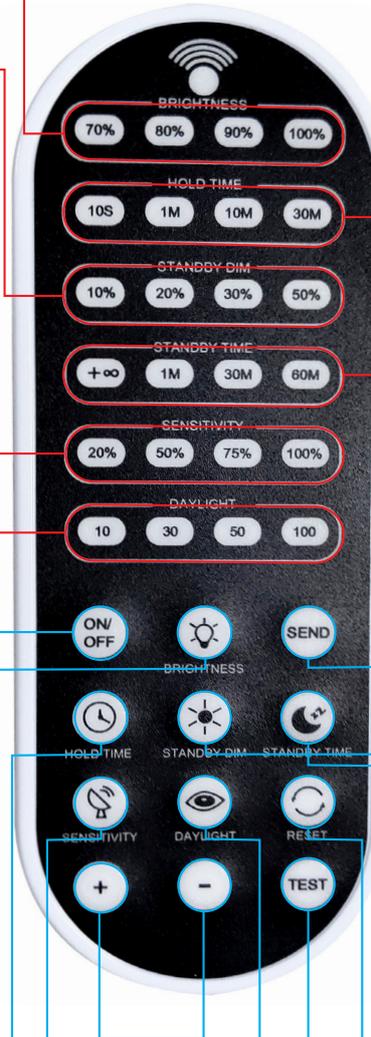
Press to set the Standby Time: +∞, 1min, 30 min or 60 min. "+∞" means the light will remain at the Standby Dim level until motion is detected. When a time is selected, the fixture will turn off after the set time.

RESET:

Press to restore factory default settings (Refer to the product sheet of the respective sensor to see the default settings). Note: Luminaire will default to DIP switches setting if sensor comes with DIP switches.

DAYLIGHT:

Press and hold 3-5s to activate the Daylight control. Press to set Daylight threshold: 10 Lux, 30 Lux, 50 Lux or 100 Lux. By default, the daylight control is disabled.

OPERATING AREA:
INDICATOR AREA:


PROGRAMING INSTRUCTIONS:

One remote can program an unlimited number of sensors. There is no remote pairing process.

1. Ensure the sensor is fitted snugly into the luminaire's receptacle.
2. Ensure all luminaires have been correctly installed per their individual installation instructions and national electrical code.
3. Turn the power ON to the luminaire.
4. Stand within range (directly under) the sensor you would like to program.
5. Set the LED indicator lights on the remote to the desired settings.
6. Press "SEND" while pointing the remote at the sensor.
7. Luminaire will flicker ON/OFF to confirm that the settings are registered. Sensor may also have a red LED indicator illuminated.
8. If you would like to change the settings, use the corresponding remote buttons to reprogram the remote, and press "SEND" to save new settings to the sensor.
9. Once the remote is programmed with the settings you prefer, stand under each installed luminaire with the power on and press "SEND" while pointing at the desired sensor.
10. Repeat step 9 for every sensor on site.

FAQ

1. The luminaire does not dim to the exact value that I have set.

There is a range that the luminaire will dim based on a percentage of the luminaire's highest available wattage or power selection. For example, if the Brightness is set to 70%, it will dim to approximately 70% of the maximum wattage of the luminaire. The same applies to the Standby Dim level. In luminaires with adjustable power switches, percentages are of the luminaire's maximum power.

2. The luminaire does not operate based on the settings that I have set, it stays on/off all the time.

The sensor is likely in Test Mode or ON/OFF mode.

- If only the Brightness indicator light is illuminated on the remote, press and hold ON/OFF 3-5s to exit the ON/OFF mode.
- If the sensor is in Test mode, press Test again while aiming the remote at the sensor.
- The Sensitivity may be too high, try reducing to a lower level.
- If problem persists, press Reset to go back to factory settings.

3. The sensor is not responding with a red light, the luminaire does not flash when I press "Send"

- Check that you have removed the piece of plastic which protects the sensor's pins during shipping, and ensure that the pins are making full contact with the circular receptacle on the luminaire. If the sensor is hardwired, ensure connections are made correctly.
- The sensor is in ON/OFF mode.
- You may be standing too far away from the sensor, it is not able to pick up the signal from the remote control.

NOTES:

- Remote indicator lights will automatically turn off if not in use for more than 10 seconds.
- One remote can program an unlimited number of sensors, there is no remote pairing process.
- In order to test the Sensitivity level, keep the Hold Time and Standby Time low so that the full cycle can quickly be observed. Once the Sensitivity is confirmed through testing, the Hold Time and Standby Time can be set to the desired levels.
- It is recommended to start on a lower Sensitivity setting and increase as needed. Microwaves can pass through most non-metal materials (including drywall and wood) and could detect motion on the other side of walls if the sensitivity is set too high.
- Remove batteries from the remote if it is not going to be used for more than 30 days.
- UV rays will affect the programing of the sensors. Please program the sensors indoor before installation or program them at night after it has been installed for outdoor application