CSCLED

MS01-RC OPERATING MANUAL

Required for MS04-MW-HW-DC and HB7B-SENSOR.
Optional for MS01-MW-HW-DC.

ON/OFF:
Press this button to turn On/Off the luminaire. Motion sensing will be disabled in this mode. See "On/Off Mode" on page 2.

AUTO MODE:
Press to exit On/Off mode and return to motion sensor mode. All settings will return as previously set.

START/MEMORY/APPLY:
Users can customize scenes with this remote control.

1. Press "START" and press desired settings to change the detection range, daylight threshold, hold time, standby dimming level, and standby period.
2. Press "MEMORY" to save the settings to the remote*.
3. Press "APPLY" while aiming the remote to send the saved setting to the luminaire.
4. Pressing "APPLY" without "MEMORY" will make all the settings a one-time operation, the setting will not be saved.

*Settings should be done within 30S, otherwise the remote exits memory mode.

DETECTION RANGE:
There are 4 different settings for detection range. It is recommended to start with the lowest setting (25%) and increase the detection range if you find that the sensor is not as sensitive and does not pick up motion.

Detection Range: 100%/75%/50%/25%

HOLD TIME:
The Hold Time is the first stage of the motion cycle. This is the amount of time that the luminaire will remain at full brightness after a motion event. If no motion is detected during this period, the luminaire will dim to the Stand-by Dim setting. If motion is detected, this time will reset.

Hold Time: 5s/30s/1min/3min/5min/10min/20min/30min

DAYLIGHT SENSOR:
By default, the Daylight Sensor is disabled. The Daylight Sensor is generally used in applications where the sensor will have a direct view of natural light. For sensors internally mounted within fixtures, the daylight sensor will not properly function and should be disabled.

Daylight Sensor: 2Lux/ 10Lux/30Lux/50Lux/80Lux/120Lux/Disable.

RESET:
Pressing this button restores to factory setting. Refer to the product sheet of the respective sensor to see the default settings.

Note: Luminaire will default to DIP switch settings if sensor comes with DIP switches.

BRIGHTNESS:
These buttons allow brightness adjustment from 100% of the luminaire's power to 0% in ON/OFF Mode and 100% to 60% in Auto Mode.

Take note that for MS01-MW-HW-DC, the sensor only goes to 10% (ON/OFF mode) and 60% (Auto Mode).

STAND-BY DIMMING LEVEL:
Once the Hold Time has expired and there is no motion, the luminaire will dim to the Stand-by Dim level. It will remain at this level for the duration of the Stand-by Time setting, providing no motion is detected.
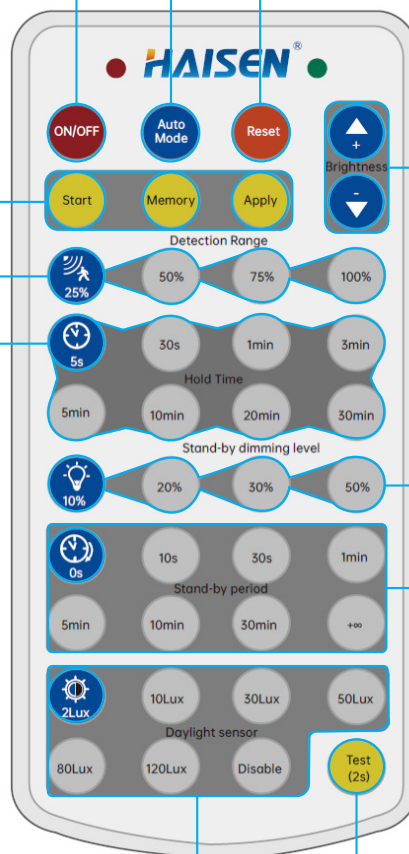
Stand-by Dimming Level: 0%/20%/30%/50%.

STAND-BY PERIOD:
The Stand-by Period is the amount of time that the fixture will remain at the Stand-by Dim level before turning off, providing no motion is detected. If motion is detected, the luminaire will go back to the full brightness and the Hold Time will reset. When the +∞ setting is selected the luminaire will remain at the Stand-by Dim level indefinitely, and the luminaire will not turn off. When 0s is selected, the Stand-by Period is bypassed, and the luminaire turns off after the Hold Time.

Stand-by Period: 0s/10s/30s/1min/5min/10min/30min/+∞

TEST FUNCTION:
For testing purposes after commissioning - Hold Time 2s. Press the "TEST" button again to exit the test mode.

OPERATION:

Auto Mode

One remote control can program an unlimited number of sensors.

1. Ensure all luminaires have been correctly installed per their individual installation instructions and national electrical code.
2. Turn the power ON to the luminaire.
3. Stand within range (directly under) the sensor you would like to program
4. Press "Start" and select your desired settings. Settings should be done within 30S, otherwise it exits memory mode.
5. Press "Memory" to save the settings
6. Press "Apply" while pointing at the sensor to send the saved setting to the luminaire. **Note:** Pressing "Apply" without "Memory" will make all the settings a one-time operation, the setting will not be saved.
7. Luminaire will flicker ON/OFF to confirm that the settings are registered.
8. If you would like to change the settings, repeat steps 4-7.
9. Once the remote is programmed with the settings you prefer, stand under each installed luminaire with the power on and press "Apply".
10. Repeat step 9 for every sensor on site.

On/Off Mode

1. Press the "ON/OFF" button to turn the lights ON or OFF. The motion sensor will be deactivated when in ON/OFF mode.
2. To exit ON/OFF mode and reactivate the motion function, press the "AUTO MODE" button. The motion sensor will be activated, and all settings will return as previously set.

Note: If you have pressed this button to turn the luminaire off before unplugging, the luminaire will be turned off when you plug it back in. Press this button again to turn the luminaire on.

FAQ

1. **The luminaire dims to 10% after I have wired in the sensor, and does not respond to the settings that i have set.**
   If the sensor drops to ~10% immediately after the sensor is wired in, it is highly likely that the wiring may be incorrect. Check the wiring diagram of the respective sensor's product sheet and ensure that the wiring is done correctly.
2. **How do I know if the sensor registers the settings that I have selected?**
   If the sensor is wired in correctly, the luminaire will flicker once it registers the setting that you have selected by pressing Apply. It is recommended that you start programming one sensor first. Once you have determined that the settings saved are your preferred settings, press "Apply" to send the desired settings to the other luminaires.
3. **The sensor is not responding, the luminaire does not flash when I press "Apply"**
- Check that you have wired the sensor 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.
4. **The sensor does not come back ON after the Hold Time and Stand-by Period.**
   The daylight sensor may be turned on. Ensure that the daylight sensor function is set as disabled and try again.

NOTES:

- Stand directly under the luminaire/sensor being programmed. No pairing is required, the remote and sensor will work based on proximity. One remote control can program an unlimited number of sensors.
- In order to test the Sensitivity level, keep the Hold Time and Stand-by Period low so that the full cycle can quickly be observed. Once the Sensitivity is confirmed through testing, the Hold Time and Stand-by 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.