

Project Name:	Notes:	Date:	Type:
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Works with MSS-TR Series Bi-Level Motion Sensors for Troffer



LED INDICATORS



High end trim turning function (To use the output level of connected lighting during occupancy), task light level



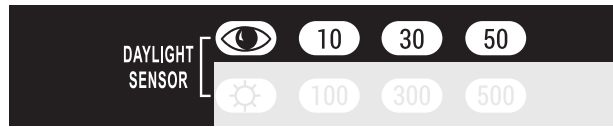
To set the occupancy sensing sensitivity of the Sensor



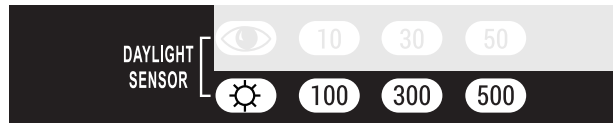
The time that the Sensor will turn off (if you choose stand-by level is 0) or dim the light to a low level after the area is vacated



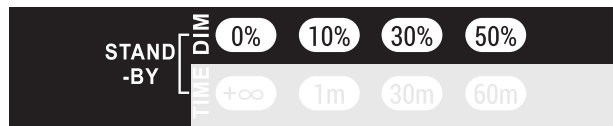
To represents various thresholds of natural light level for the Sensor.



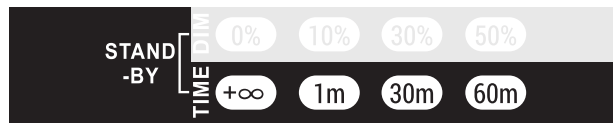
To select the current surrounding lux value as the daylight threshold. This feature enables the fixture to function well in any real application circumstances.



The daylight sensor stops working, and all motion detected could turn on the lighting fixture, no matter how bright the natural light is.



To set the output level of connected lighting during vacancy. The sensor will regulate the lighting output at the set level. Setting the STAND-BY DIM level at 0 means light full off during vacancy.



To represents the time that the Sensor will keep the light at low dim level after the HOLD TIME elapsed.

SPECIFICATIONS

Power Supply	2 x AAA 1. 5V battery, Alkaline preferred
Upload Range	Up to 15 m (50 ft.)
Operating Temp.	32°F - 122°F (0°C - 50°C)
Dimension	4.84" x 2.76" x 0.8" (123x70x20.3 mm)

OVERVIEW

The remote control Wireless IR Configuration Tool is a handheld tool for remote configuration of IR-enabled fixture integrated sensors. The tool enables device to modify via pushbutton without ladders or tools, and stores up to four sensor parameter modes to speed configuration of multiple sensors.

The remote control uses bi-directional IR communication to send and receive sensor settings at mounting height up to 50 feet. The device can display previously established sensor parameters, copy parameters and send new parameters or store parameter profiles. For projects where identical settings may be desired across a large number of areas or spaces, this capability provides a streamlined method of configuration. Settings can be copied throughout a site, or in different sites.



CAUTION:

Remove the batteries from compartment if the remote will not be used in 30 days.

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BUTTON OPERATION



Press the ON/OFF button, the light goes to permanent on or permanent off mode, and the sensor is disabled. (Must press "AUTO" button to quit this mode for Setting.)



Display the current/latest setting parameters in LED indicators (the LED indicators will on for showing the setting parameters).



The button "TEST 2s" is for testing purpose sensitivity only. After you choose sensitivity thresholds, then you press "TEST 2s" button, The sensor goes to test mode (hold time is only 2s) automatically, meanwhile the stand-by period and daylight sensor are disabled. Press "AUTO" button to quit from this mode.



Press "AUTO" button, the sensor starts to function and all settings remain the same as the latest status before the light is switched on/off.



Press "RESET" button, all settings go back to settings of dip Switch in sensor.



Enter in the setting condition, the parameter leds of remote control will flash to be selected. and Navigate to UP and Down for choose selected parameters in LED indicators.



Navigate to LEFT and RIGHT for choose selected parameters in LED indicators.



Confirm the selected parameters selected parameters in remote control.



Press "SEND" button, upload the current parameters to sensor(s), the led light which the sensor connects will on/off as confirm.



Open and close daylight Control function. Press "UP" or "DOWN" Enter in the setting condition, the parameter leds of remote control will flash to be selected, Press this button for open or close smart daylight Sensor.



4 Scene modes with preset parameters which are available to be changed and saved in modes.

SETTING

The SETTING Content contains all available settings and parameters for remote sensors. It allows you to change the available control, parameters, and operation of the sensor from factory default or current parameters.

Change multiple settings of sensor(s)

1. Press button, the remote control leds will show the latest parameters you set.

NOTE: if you push button before, you must push button to unlock the sensor.

2. Press or enter in the setting condition, the parameter leds of remote control will flash to be selected, navigate to the desired setting by pressing to select the new parameters.

3. Press ok to confirm all setting and saving.

4. Aim at the target sensor and press to upload the new parameter, the led light which the sensor connects will on/off as confirm.

NOTE: the setting works key step is by Push or , enter in the setting condition.

NOTE: the led light which the sensor connects will on/off after getting the new parameter as confirm.

NOTE: If you press button, the remote led indicators will show the latest parameters which were sent.

Change multiple setting of sensors with daylight control function

1. Press , the remote led indicators will show the latest parameters.

2. Press or enter in the setting condition, the parameter Led indicators of remote control will flash to be selected.

3. Press , 2 led indicators will flash in daylight sensor settings, select daylight as setpoint to light on Automatically, select daylight as setpoint to light off Automatically.

4. Press to confirm all setting and saving.

5. Aim at the target sensor and press to upload the new parameter. The led light which the sensor connects will on/off.

NOTE: is disabled by default.

1. Open daylight Control function by push when remote control is in setting condition.

2. When the daylight control function sensors open, 2 Led indicators are flash in daylight sensor setting. select daylight as setpoint to light on Automatically, select daylight as setpoint to light off automatically. When daylight control function close, 1 Led indicator is flash in the daylight sensor setting for choose daylight sensor threshold.

3. When the daylight control function sensors open, the stand-by time is only .

4. The daylight control function sensors take places of normal photocell sensor and works independently.

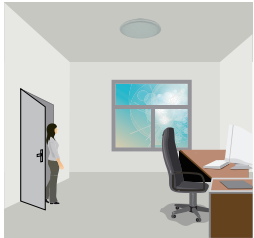
5. See Bi-level with daylight control function as following:

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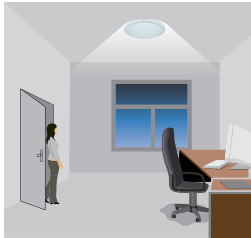
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BI-LEVEL CONTROL FUNCTION

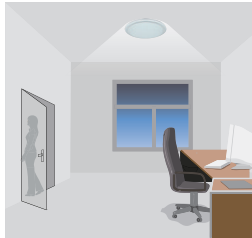
This function inside the motion sensor to achieve bi-level control. for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient)-->off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



With sufficient ambient light, the light does not switch on when presence is detected.



With insufficient ambient light, the sensor switches on the light automatically when occupancy.



After hold-time, the light dims to stand-by level if the surrounding ambient light is below the daylight threshold.



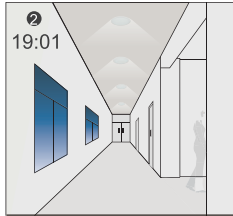
Light switches off automatically after the stand-by period elapses.

BI-LEVEL WITH DAYLIGHT CONTROL FUNCTION

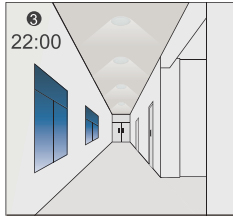
Open daylight Control function by push  when remote control is in setting condition.



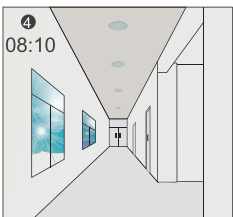
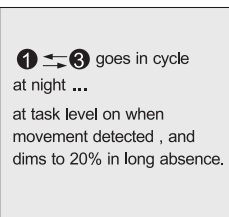
The light turn on at task light level when occupancy.



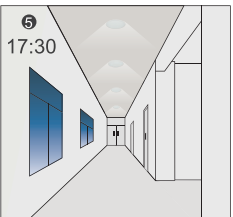
The light dims to stand-by level after the hold-time.



The light remains in dimming level at night.



When the natural light level exceeds daylight sensor setpoint to light off, the light will turn off even if the space is occupied.



The light automatically turns on at 20% when natural light is insufficient even if vacancy.

SETTINGS ON THIS DEMONSTRATION:

Hold-time: 1 minute

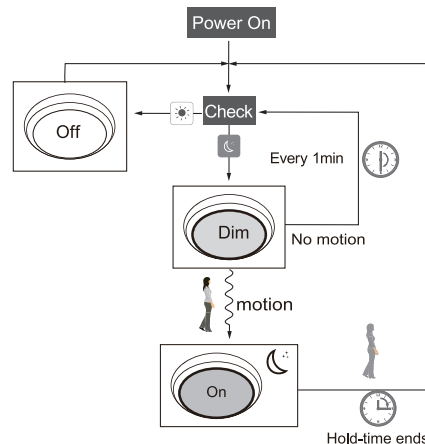
Setpoint to light on: 50lux

Setpoint to light off: 300lux

Stand-by Dim: 20%

Stand-by period: +∞

(when Open daylight control function, the stand-by time is only +∞)



Bi-Level Control function VS Bi-Level with daylight Control function.


1. Bi-level Control function, turn on the light depends on ambient light level lower daylight sensor threshold and Occupancy. Bi-level with daylight Control function, turn on the light by natural light level lower daylight sensor setpoint to light on even if vacancy.
2. Bi-level Control function, turn off light by stand-by time finish if vacancy. Bi-level with daylight Control function. Turn off the light by natural light level higher than daylight sensor setpoint to light off even if occupancy.
3. Bi-level with daylight Control function, natural light level higher/lower than daylight sensor setpoint to light off/on MUST keep at least 1 minute, that will turn off/on the light automatically.





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About RESET and MODE (1, 2, 3, 4) Button

The remote control comes with 4 Scene MODES which are not default. You may make desired parameters and save as the new MODE(1,2,3,4) to configure the installed sensors.

 : all settings go back to settings of DIP Switch in sensor.

MODE	Brightness	Sensitivity	Hold Time	Daylight Sensor	Stand-By Dim	Stand-By Time
MODE 1	100%	100%	5m		30%	+∞
MODE 2	70%	20%	10s		0%	+∞
MODE 3	70%	20%	10s		0%	+∞
MODE 4	70%	20%	10s		0%	+∞

Make a new MODE

1. Press     button, the remote control Led indicators show existing parameters.
2. Press     to select the new parameters.
3. Press  to confirm all parameters and saving in the mode.

UPLOAD

The upload function allows you to configure the sensor with all parameters in one operation. You may select CURRENT SETTING parameters or the MODE for uploading. Current setting parameters or the MODE are displayed in Remote control.

UPLOAD THE CURRENT PARAMETERS TO SENSOR(S), AND DUPLICATE THE SENSOR PARAMETERS FORM ONE TO ANOTHER

1. Press  button or press     , all parameters are displayed in Remote control.

Note: check if all parameters are correct , if not, change them.

2. Aim at the sensor and press  button , the light that sensor connects will be on/off as confirm.

Note: if other sensor need same parameters, just aim at the sensor and press  button.