DAMAR®
805 N Carnation Drive
Aurora, MO 65605

Lighting the World

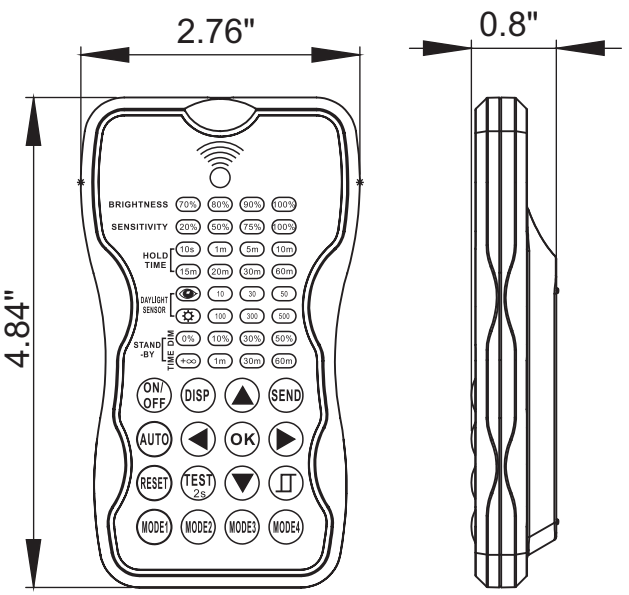
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REMOTE CONTROL FOR COMPATIBLE MOTION SENSORS

SPECIFICATIONS

Power supply	Requires 2 x AAA 1.5V batteries (not included)
Upload range	Up to 50ft(15m)
Operating temperature	32°F~122°F(0°C~50°C)
Dimensions	4.84"x2.76"x0.8"(123mmx70mmx20.3mm)

Diagram



OVERVIEW

The Wireless IR Configuration Tool is a handheld remote control that is used for configuring IR-enabled fixture sensors. The tool enables users to modify devices via push buttons without the need for ladders or tools. It can store up to four sensor setting modes to speed up the configuration of multiple sensors.

The remote control sends sensor settings at mounting heights of up to 50 feet. The device can display previously established sensor settings, copy settings, send new settings, and store setting profiles. For projects where identical settings are desired across a large number of areas or spaces, this capability provides a streamlined configuration method. Settings can be copied throughout a site or across different sites.

INSTRUCTIONS

BUTTON	DESCRIPTION	BUTTON	DESCRIPTION
ON/OFF	Press the ON/OFF button, the light goes to permanent on or permanent off mode, and the sensor is disabled. (You MUST press the AUTO button to exit this mode for programming.)	AUTO	Press the AUTO button and the sensor will start to function. All the settings will remain the same as they were before the ON/OFF button was manually used to turn the light on/off.
DISP	Displays the current/latest settings shown by the illuminated LED indicators.	TEST 2s	The TEST 2s button is only for testing sensor sensitivity. After selecting the desired sensitivity, press the TEST 2s button. The sensor will automatically enter test mode (hold time = 2 seconds). During this time, the stand-by period and daylight sensor are disabled. Press the AUTO button to exit this mode.
RESET	Press the RESET button to revert all settings to the factory default settings.		
▲ ▼	Navigate ▲ or ▼ to the desired settings. The LED indicator will flash to show which setting is active.	◀ ▶	Navigate ◀ or ▶ to choose the selected settings. The LED indicators will flash to show which setting is active.
OK	Confirms the selected settings in the remote control.	MODE1 MODE2 MODE3 MODE4	There are 4 preset Scene modes which can be altered and saved.
SEND	Press the SEND button to upload the current settings to the sensor(s). The LED light will turn on/off to confirm the settings have been received.		



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LED INDICATORS

LED	DESCRIPTION	LED	DESCRIPTION
BRIGHTNESS	High-end brightness adjustment when the area is occupied.		To select the current ambient lux value as the daylight threshold. This function ensures the fixture operates properly in all actual usage scenarios.
SENSITIVITY	To set the sensitivity of the motion sensor.		The daylight sensor stops functioning. All detected motion turns on the light, no matter the ambient brightness.
HOLD TIME	The time for the sensor to turn off the light (when STAND-BY DIM level is set to 0%) or dim it to a low level after the area is vacated.	STAND-BY DIM	To set the brightness level when the area is vacant. The sensor maintains lighting output at the preset level. Setting the STAND-BY DIM level to 0% turns the light fully off during vacancy.
DAYLIGHT SENSOR	This represents the various thresholds of natural light levels for the sensor.	STAND-BY TIME	Represents the time that the sensor will keep the light at a low dimming level after the HOLD TIME has elapsed.

SETTINGS

The SETTINGS content contains all available settings for different motion sensors. It allows you to change the settings and operation of the sensor from the factory default or current settings. Note: Not all sensors will have every setting option available.

Change multiple settings of sensor(s)

1. Press the DISP button to show the current settings by the indicated LEDs.

   NOTE: If the ON/OFF button was pushed before, you must push the AUTO button to make the sensor active and in auto mode.
2. Press ▲ or ▼ to change the settings. The current settings will be illuminated by the LEDs. The currently selected setting LED will flash. Navigate by pressing ▲ ▼ ◀ ▶ to select new settings.
3. Press OK to confirm and save the settings.
4. Aim at the target sensor and press the SEND button to upload the new settings. The LED light will blink on/off to confirm programming has been received.

NOTE: Pushing the ▲ or ▼ button enters the programming mode where settings can be changed.

NOTE: The LED light will blink on/off to confirm programming has been received.

NOTE: If you press the DISP button, the LED indicators will show the latest settings which were sent to the sensor.

Corridor Function

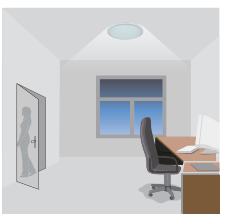
Built into the motion sensor, this function enables three-stage lighting control for areas requiring a dimming reminder before lights turn off. The sensor features three lighting levels: 100% brightness → dim light (activated when natural light is inadequate) → off. It provides two adjustable delay periods: motion hold time and standby period. In addition, the daylight threshold (10 30 50) and detection area can be freely configured.



With sufficient natural light, the light will not turn on when motion is detected.



The light turns on automatically when presence is detected and ambient light is below the daylight threshold.



After the hold time elapses, the light dims to standby level if the ambient light is below the daylight threshold.



The light turns off automatically once the standby period expires.

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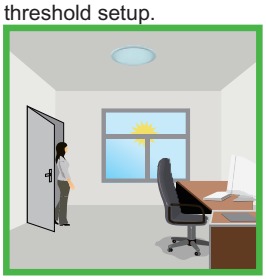
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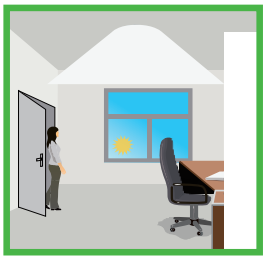
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Daylight Harvesting Function

Enable the daylight harvesting function via the setting only. This function saves the ambient brightness to memory and does not support daylight threshold setup.



The light will not turn on when ambient light is sufficient, even if motion is detected.



The light dims to standby level once the hold time ends.



The light turns on fully or dims to keep the lux level steady. Its output adjusts according to ambient light intensity.



The light dims to stand-by mode after hold time and remains at the selected minimum dimming level.



The light turns off completely after the stand-by period.

Setting on this demonstration:
BRIGHTNESS:100%
SENSITIVITY:100%
HOLD TIME:30MIN
DAYLIGHT SENSOR:
STAND BY DIM: 30%
STAND BY TIME: 1MIN

About the RESET and SCENE modes (1, 2, 3, 4)

The remote comes with four preset SCENE modes that can be used as-is, or you can save your own settings to these modes to program the installed sensors.

RESET: Press the RESET button to revert all settings to the factory default settings.

SCENE MODES (1, 2, 3, 4)

Application	Scene Options	Brightness	Detection Area	Hold Time	Stand-by Time	Stand-by Dim Level	Daylight Sensor
Indoor	Mode 1	100%	75%	5min	30min	30%	☼
Indoor	Mode 2	100%	75%	1min	+∞	30%	☼
Indoor	Mode 3	100%	75%	5min	30min	30%	30LUX
Outdoor	Mode 4	100%	75%	1min	+∞	30%	⎍ (30LUX/300LUX)

Program the Mode buttons:
1. Press MODE1 MODE2 MODE3 MODE4 button, the LED indicators will show the existing settings.
2. Press ▲ ▼ ◀ ▶ to change the settings as needed.
3. Press OK to confirm all settings are saved in the selected mode.

PROGRAM

The SEND button allows you to program the sensor with all settings in one operation. You may select the current settings or the MODE settings for programming. Current settings or the MODE settings are displayed by the LED indicators on the remote control.

Program the current settings to sensor(s) and duplicate the sensor settings for other sensors.

1. Press the DISP button or press MODE1 / MODE2 / MODE3 / MODE4. All the settings are displayed by the LED indicators on the remote control.
Note: Check if all the settings are correct. If not, change them as needed.

2. Aim at the target sensor and press the SEND button to upload the new settings. The LED light will blink on/off to confirm programming has been received.

Note: If other sensors need the same settings, just aim at the sensor and press the SEND button.