

DIMMING HIGH FREQUENCY MOTION SENSOR & REMOTE CONTROL INSTRUCTION MANUAL

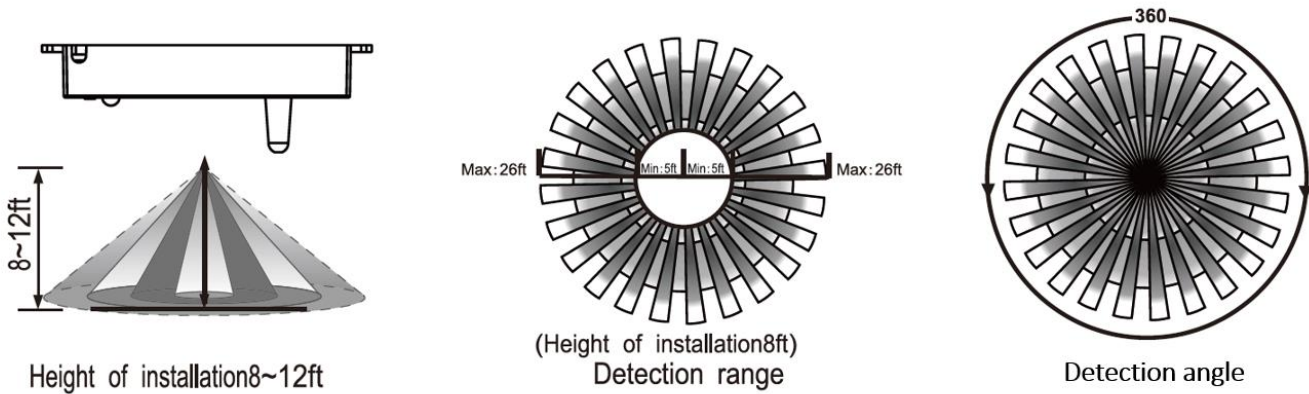


MOTION SENSOR SPECIFICATIONS

Power Supply	12V-24VDC*
High Frequency System	5.8GHz +/-75MHz (High Frequency Microwave Output)
Dim Control Output	0-10V, Max. 25mA Sinking Current
Detection Radius/Angle	Max 8m (26ft) at 360°
Mounting Height	Max 3.6m (12ft)
Humidity	Max 95% Relative Humidity
Operating Temperature	-40°C to 70°C
Installation	Factory installed (interior mount)
Programming	Using DIP switches on sensor OR using RC-100 remote (sold separately)

*12VDC AUX available from the LED driver- can be used for motion sensor and other lighting controls.

MOTION SENSOR COVERAGE



DEFAULT MOTION SENSOR SETTINGS

Once powering the light fixture, the motion sensor will use the following default parameters to operate.

Brightness	Sensitivity	Hold Time	Daylight Sensor	Stand-by Dim	Stand-by Time
100%	100%	10 seconds	Disabled	DIM: 30%	60 minutes

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ADJUSTING MOTION SENSOR SETTINGS USING DIP SWITCHES



FUNCTION	DIP SWITCH	SETTING
SENSITIVITY	<p>ON ↑</p> <p>OFF ↓</p>	<p>1 2</p> <p>↓ ↓ 20%</p> <p>↓ ↑ 50%</p> <p>↑ ↓ 75%</p> <p>↑ ↑ 100%</p>
HOLD TIME	<p>ON ↑</p> <p>OFF ↓</p>	<p>3 4</p> <p>↓ ↓ 10S</p> <p>↓ ↑ 1Min</p> <p>↑ ↓ 5Min</p> <p>↑ ↑ 15Min</p>
DAYLIGHT SENSOR	<p>ON ↑</p> <p>OFF ↓</p>	<p>5 6</p> <p>↓ ↓ ☀ (light sensor disable)</p> <p>↓ ↑ 10Lux</p> <p>↑ ↓ 30Lux</p> <p>↑ ↑ 50Lux</p>
STAND-BY DIM	<p>ON ↑</p> <p>OFF ↓</p>	<p>7 8</p> <p>↓ ↓ 0%</p> <p>↓ ↑ 10%</p> <p>↑ ↓ 30%</p> <p>↑ ↑ 50%</p>
STAND-BY TIME	<p>ON ↑</p> <p>OFF ↓</p>	<p>9 10</p> <p>↓ ↓ +∞</p> <p>↓ ↑ 1Min</p> <p>↑ ↓ 30Min</p> <p>↑ ↑ 60Min</p>

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ADJUSTING MOTION SENSOR SETTINGS USING RC-100 REMOTE

RC-100 REMOTE SPECIFICATIONS

Power Supply	2 x AAA 1.5V Batteries
Communication Protocol	940 nm Infrared Tx & Rx
Communication Range	Up to 15m (50ft)
Operating Temp.	0°C to 50°C

RC-100 REMOTE PROGRAMMING FUNCTIONS

<p>The diagram shows the RC-100 remote control with the following buttons and settings:</p> <ul style="list-style-type: none"> BRIGHTNESS: 70%, 80%, 90%, 100% SENSITIVITY: 20%, 50%, 75%, 100% HOLD TIME: 10s, 1m, 5m, 10m, 15m, 20m, 30m, 60m DAYLIGHT SENSOR: EYE icon, 10, 30, 50, SUN icon, 100, 300, 500 STAND-BY DIM TIME DIM: 0%, 10%, 30%, 50%, +∞, 1m, 30m, 60m Other buttons: ON/OFF, DISP, ▲, SEND, AUTO, ◀, OK, ▶, RESET, TEST (2s), ▼, □, MODE1, MODE2, MODE3, MODE4 	<p>BRIGHTNESS: Sets the highest light fixture brightness when motion is detected.</p>
	<p>SENSITIVITY: Sets the sensitivity to which the sensor will detect motion. It describes the radii of the circular detection zone.</p>
	<p>HOLD TIME: The time the light fixture will remain at the brightness setting after it detects motion.</p>
	<p>DAYLIGHT SENSOR: The lux setting that the light fixture will turn on/off. If the ambient lux is more than the defined lux setting, the fixture & sensor function will turn off and remain off until the ambient lux is below the setting. To disable the lux sensor, select the SUN icon. To set the lux to match current room conditions, select the EYE icon.</p>
	<p>STAND-BY DIM: The Dim level that the light fixture will dim down after the Hold Time has expired.</p>
	<p>To disable dimming and only have ON/OFF, select the 0% icon.</p>
<p>STAND-BY TIME: The time the light fixture will remain in the dim down state before it shuts off. To disable the light from shutting off, select the INFINITY icon.</p>	

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RC-100 REMOTE PROGRAMMING INSTRUCTIONS

KEY	FUNCTION																					
	Light fixture will be set to permanently stay ON or OFF. Must press AUTO button to go back to sensor mode.																					
	Displays the current remote-control parameters.																					
	Navigate through the remote-control parameters and sets them to the desired settings. NOTE: These settings are not yet set on the light fixture sensor. The remote needs to be pointed at the light fixture sensor, and the SEND button needs to be pushed.																					
	Uploads the selected remote-control parameters to the light fixture sensor. The light fixture will turn on and off as confirmation the new settings have been set.																					
	Light fixture sensor is set to sensor mode with the last sent parameters. This must be pressed to exit the ON/OFF setting.																					
	Resets the light fixture sensor parameters.																					
	<table border="1"> <thead> <tr> <th>Brightness</th> <th>Sensitivity</th> <th>Hold Time</th> <th>Daylight Sensor</th> <th>Stand-by Dim</th> <th>Stand-by Time</th> </tr> </thead> <tbody> <tr> <td>100%</td> <td>100%</td> <td>5 minutes</td> <td>Disabled</td> <td>DIM: 30%</td> <td>60 minutes</td> </tr> </tbody> </table>	Brightness	Sensitivity	Hold Time	Daylight Sensor	Stand-by Dim	Stand-by Time	100%	100%	5 minutes	Disabled	DIM: 30%	60 minutes									
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	For Testing sensitivity only. The Standby period and daylight sensor are disabled in this mode. Must press AUTO button to go back to sensor mode.																					
	Photocell Function: If this function is turned on, it is set to a specific lux setting (10, 30, 50, 100, 300, 500). When the lux level exceeds this setting, the sensor will wait and monitor for 1 minute to confirm the lux level is not temporary. After 1 minute, the lights will turn off even when the space is occupied. When the lux level goes below this setting, the light will turn on and remain on without any detected motion. This feature is disabled by default and is intended for outdoor use only.																					
	Four modes are available with pre-set parameters. Any mode can be customized by following the steps below: 1. Select mode 1, 2, 3, or 4. 2. press the ARROW BUTTONS to choose the new parameters. 3. Select OK to confirm the new settings on that mode. NOTE: These settings are not yet set on the light fixture sensor. The remote needs to be pointed at the light fixture sensor, and the SEND button needs to be pushed. NOTE: Modes 2, 3, and 4 all have the same default settings. See instructions to change defaults.																					
Mode Default Settings	<table border="1"> <thead> <tr> <th></th> <th>Brightness</th> <th>Sensitivity</th> <th>Hold Time</th> <th>Daylight Sensor</th> <th>Stand-by Dim</th> <th>Stand-by Time</th> </tr> </thead> <tbody> <tr> <td></td> <td>100%</td> <td>100%</td> <td>5 minutes</td> <td>Disabled</td> <td>30%</td> <td>Disabled</td> </tr> <tr> <td></td> <td>70%</td> <td>20%</td> <td>10 seconds</td> <td>Disabled</td> <td>0%</td> <td>Disabled</td> </tr> </tbody> </table>		Brightness	Sensitivity	Hold Time	Daylight Sensor	Stand-by Dim	Stand-by Time		100%	100%	5 minutes	Disabled	30%	Disabled		70%	20%	10 seconds	Disabled	0%	Disabled
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