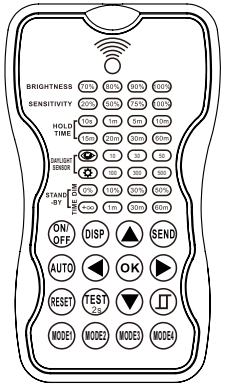
S2RC
Handheld Remote Control
OPERATION INSTRUCTIONS



REMOTE
with carrying case

SPECIFICATIONS

Power supply	2 x AAA 1. 5V battery, Alkaline preferred
Carrying case	Carrying case included
Upload range	Up to 15 m (50 ft.)
Op. temperature	0°C～50°C (32°F～122°F)
Dimensions	123 x 70 x 20.3 mm (4. 84″ x 2.76″ x 0. 8″)

⚠ WARNING

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

OVERVIEW

The S2RC is a handheld IR remote for configuration of IR-enabled fixture-integrated sensors. The tool enables control and programming without ladders or tools, and stores up to four groups of settings to speed configuration of multiple sensors.
The remote control uses bidirectional IR communication to send and receive sensor settings at mounting heights up to 50 feet. The device can display previously established sensor parameters, copy parameters, send new parameters, and 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 and applied throughout single or multiple installation sites.

LED INDICATORS

LED	DESCRIPTION	LED	DESCRIPTION
BRIGHTNESS	High end trim function (Sets the high output level of lighting during occupancy)		Sets current surrounding lux value as the daylight threshold. This feature enables the fixture to function well in applications with ambient light.
SENSITIVITY	Occupancy sensing sensitivity		Disables daylight sensor, and all motion detected will activate lighting.
HOLD TIME	The duration that Sensor will turn off (if stand-by level is 0) or dim the light to a low level after area is vacated	STAND-BY DIM	Sets lighting level during vacancy. Setting the STAND-BY DIM level to 0 turns light off during vacancy.
DAYLIGHT SENSOR	Threshold setting of natural light level	STAND-BY TIME	Sets duration of light at low STAND-BY DIM level after the HOLD TIME elapses.

BUTTON OPERATION

BUTTON	DESCRIPTION	BUTTON	DESCRIPTION
ON/OFF	Disables sensor and turns fixture on or off. Press AUTO to quit this mode.	AUTO	Enables sensor functioning based on most recent settings.
DISP	Displays the current/lastest setting parameters via LED indicators.	TEST 2s	After setting motion sensitivity thresholds, this starts test mode (hold time is 2s). The standby period and daylight sensor are disabled. Press button again to exit this mode.
RESET	Restores settings to settings of dip Switch in sensor.		
▲ ▼	Selects parameter to edit on remote, indicated by a flashing LED.	◀ ▶	Navigates left and and right while choosing parameter to edit.
OK	Confirms the selected parameter.		
SEND	Uploads the current parameters to sensor(s).		Enable or disable **Daylight Sensor**.
MODE1 MODE2 MODE3 MODE4	Scene modes with preset or customized parameters. See "xyz" section for programming.		

Adjusting Settings

1) Press **DISP** button to display the most recent settings on the remote. Note: if you are in **ON/OFF** mode, you must press **AUTO** to enable programming.
2) Use the **ARROW** buttons to select the parameter you wish to adjust.
3) Press **OK** to confirm and save the current parameters.
4) Aim the remote at the target sensor(s). The LED on the target sensor(s) will light to confirm that settings have been received.

Adjusting daylight sensor

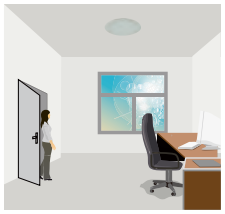
1. Press **DISP** to indicate the most recent parameters.
2. Use the **ARROW** buttons to select the parameter you wish to adjust.
3. Press the **DAYLIGHT SENSOR** button; 2 led indicators will flash.
4. Select **DAYLIGHT SENSOR 10**, **30**, or **50** to set low light threshold.
5. Select **DAYLIGHT SENSOR 100**, **300**, or **500** to set high light threshold.
6. Press **OK** to confirm and save settings.
7. Aim remote at target sensor and press **SEND** to upload settings. The light on the sensor will blink to confirm settings have been received.

NOTE: The Daylight Sensor is off by default.

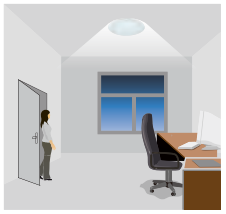
1. Enable or disable the smart daylight sensor by pressing the **DAYLIGHT SENSOR** button when the remote control is in settings mode.
2. When the daylight sensor is disabled, 1 LED blinks on the remote. When the daylight sensor is enabled, 2 LEDs blink on the remote.
3. By default, the standby time is set to + ∞ (infinite).

Corridor Function

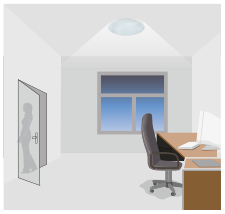
This function inside the motion sensor provides tri-level control for areas requiring a light level change before switching off.



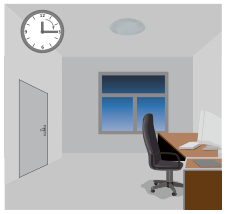
With sufficient natural light, the light does not switch on when motion is detected.



With insufficient natural light, the sensor switches on the light automatically when motion is detected.



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



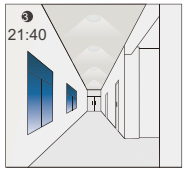
Light switches off automatically after the stand-by period elapses.

Daylight Sensor Function

Open the daylight sensor by pushing the DAYLIGHT SENSOR button.

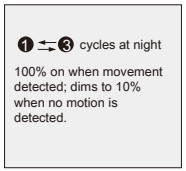
The light switches on at 100% when there is movement detected.

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

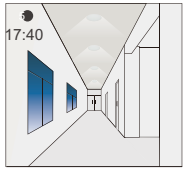


The light remains in dimming level at night.

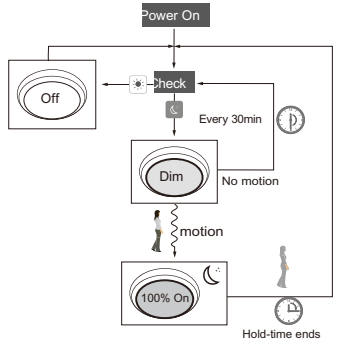
Settings in this example:
Hold-time: 30min
setpoint to light on: 50lux
setpoint to light off: 300lux
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor is on, the stand-by time is only +∞)



When the natural light level exceeds the high threshold setpoint, the light will turn off even if when motion is detected.



The light automatically turns on at 10% when natural light is insuffcient (no motion).



Corridor Function VS Daylight Sensor Function

1. In corridor function, the light must be activated by an ambient light level lower than the daylight sensor threshold AND motion must be detected. When smart daylight sensing is active, the light is activated by ambient light levels lower than the daylight setpoint, even when no motion is detected.
2. In corridor function, when no motion is detected, the light turns off after the standby time. When smart daylight sensing is active, the light turns off when the ambient light level is higher than the daylight setpoint, even when motion is detected.
3. When smart daylight sensing is active, ambient light levels higher or lower than the daylight setpoint must be continuous for at least 1 minute, for sensor to change light levels.

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

The remote control comes with 4 Scene **MODES**. You may adjust parameters and save as the new **MODES** (1,2,3,4) to configure the installed sensors.

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

SCENE **MODES**(1 2 3 4)

MODE	BRIGHTNESS	SENSITIVITY	HOLD TIME	DAYLIGHT SENSOR	STAND-BY DIM	STAND-BY TIME
MODE1	70%	20%	10s	☼	0%	+∞
MODE 2	70%	20%	10s	☼	0%	+∞
MODE 3	70%	20%	10s	☼	0%	+∞
MODE 4	70%	20%	10s	☼	0%	+∞

Change the **MODES**:

1. Press the desired **MODE** button. The remote control LED indicators will show the current parameters.
2. Use the **ARROW** buttons to select the new parameters.
3. Press **OK** to confirm all parameters save settings for the desired **MODE** button.

UPLOAD

The upload function allows you to configure the sensor with all parameters in one operation. You may select the current parameters or the **MODE** for uploading. Current setting parameters or the MODE are displayed with LEDs on the remote control**.**

Upload the current parameters to sensor(s),and duplicate the sensor parameters form one to another

1. Press the **DISP** button or press the desired **MODE** button. All parameters are displayed by LED on the remote control. Note: check to ensure all parameters are correct.
2. Aim at the sensor and press the **SEND** button. The LED will blink on the sensor to confirm settings have been received.
3. Repeat process for all sensors for which identical settings are desired.