

RC-100 Sensor Remote Programmer

OPERATION INSTRUCTIONS



with carrying case

SPECIFICATIONS

Power supply	2 x AAA 1.5V battery, Alkaline preferred
Carrying case	RC-100 in carrying case
Communication	940 nm Infrared Tx & Rx
Upload range	Up to 10 m (32 ft.)
Download range	Subject to the type of sensor applied
Uploading time	Approx. 2 sec.
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 the batteries from compartment if the remote will not be used in 30 days.

OVERVIEW

The RC-100 Wireless IR Configuration Tool is a handheld tool for remote configuration of IR-enabled fixture integrated sensors. The tool enables device modifications via pushbutton, without ladders or tools, and stores up to three sensor parameter profiles to speed configuration of multiple sensors.

The RC-100 uses bidirectional IR communication to send and receive sensor settings at mounting heights up to 40 feet. The device can display previously established sensor parameters, copy parameters and send new parameters or stored 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.

KEY DESCRIPTIONS

KEY	FUNCTION	KEY	FUNCTION
	Permanent on or permanent off mode		DISPLAY Current Settings
	The selected parameters go to SEND		the sensor starts to work automatically, and all parameters back the latest setting before TEST mode, on/off mode, and reset mode.
			In test mode, hold time is only 2s, and stand-by time and daylight sensor are disable.
	Enter in the setting condition and navigate to UP and Down		Confirm the setting or Send.
	Navigate to Right and Left		Photocell On/Off, when the light level exceeds this setting, the lights will turn off even when the space is occupied. When light level goes below the settings, the light will turn on even without motion detection. This feature is disabled by default.
	the latest surrounding lux value learned, and is set as the daylight threshold.		
	To Save these New Settings parameters as Model 1 Model 2 Model 3		

NOTE:

The RC-100 is a universal remote programmer with ALL available settings and parameters for remote sensors. Some settings and parameters may not be available on specific type of sensor under certain control mode. Please refer to the installation instruction of the sensor for the available settings and control options.

COMMAND BUTTON

THE COMMAND BUTTON provides a quick selection of the following operations by pressing respective buttons.

- To turn on/off light manually, press ON/OFF BUTTON.
- To enter the test mode, press test mode.
- To enter the auto mode, press auto button.
- To the latest surrounding lux value learned for latest parameters, Press the .

NOTE: Quit ON/OFF mode, TEST mode, REST mode, press Auto button.

Change multiple settings of sensor(s)

- Press display, the remote control LEDs will show the latest parameters
- press DOWN or UP enter in the setting condition, navigate to the desired setting by pressing DOWN AND UP.
- Press LEFT AND RIGHT to Select the new parameter.
- press ok to confirm all setting and saving.
- if you want to current surrounding lux value as the daylight threshold, press.
- aim at the target sensor and press SEND to upload the new setting.
- to change the same setting for more sensors, repeat setp 4 on all others.

NOTE: the latest surrounding lux value learned, and is set as the daylight threshold. And is optional.

Change multiple settings of sensor(s) (with photocell on/off setpoint)

- Press display, the remote control LEDs will show the latest parameters.
- press DOWN or UP enter in the setting condition, navigate to the desired setting by pressing DOWN AND UP.
- Press LEFT AND RIGHT to Select the new parameter.
- press , select photocell on lux setpoint and photocell lux off setpoint.
- press ok to confirm all setting and saving.
- aim at the target sensor and press SEND to upload the new setting.
- to change the same setting for more sensors, repeat setp 4 on all others.

NOTE: And is disabled by default.

- set is only available in setting condition, when the light level exceeds this setting, the lights will turn off even when the space is occupied. Once the light level exceeds this setting, the sensor will wait and monitor for a short period of time in order to confirm the light level increase is not temporary before forcing the lights to go off. When light level goes below the settings, the light will turn on even without motion detection. This feature is disabled by default.
- Quit photocell on/off, just press when the remote control in the setting condition.
- is for outdoor using, not for indoor.

About RESET and MODE(1,2,3)

The RC-100 comes with a DEFAULT and THREE MODES which is not default. You may make desired parameters and save as a new MODE(1,2,3) to configure the installed sensors.

RESET:

	BRIGHTNESS	SENSITIVITY	HOLD TIME	LUX	STAND-BY DIM	STAND-BY TIME
RESET						
MODE 1						
MODE 2						
MODE 3						

Make a new Mode:

- press mode(1,2,3) button
- if the remote control display LEDs are on, the mode was stored the setting parameters before.
- press DOWN or UP enter in the setting condition, navigate to the desired setting by pressing DOWN AND UP.
- Press LEFT AND RIGHT to Select the new parameter.
- press , select photocell on lux setpoint and photocell off lux setpoint.

- press ok to confirm all setting and saving in the mode.
- if the remote control display LEDs are not on, the mode is unstored before.
- press mode(1,2,3) button (any one which you want to save).
- press DOWN or UP enter in the setting condition, navigate to the desired setting by pressing DOWN AND UP.
- Press LEFT AND RIGHT to Select the new parameter.
- press , select photocell on lux setpoint and photocell off lux setpoint (optional).
- press ok to confirm all setting and saving in the mode.

UPLOAD

The upload function allows you to configure the sensor with all settings in one operation. You may select CURRENT SETTING or THE MODE for uploading. Current setting parameters are showed by press Display button .

Upload the current setting to sensor(s)

- Press Display button.
- NOTE: Check if all settings are correct. If all settings are not correct, change them.
- Aim at the sensor and press send.

Duplicate the sensor settings from one to another

- Press Display button
- Note: check if all settings are correct, all are display on remote control.
- If you want to send the setting of the mode (1,2,3) to be sent, press the mode(1,2,3) you need all after display on remote control.
- aim at the sensor and press send
- Note: if other sensors need same settings, just only press SEND.