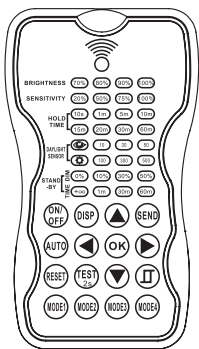


# RC-100 Sensor Remote Programmer OPERATION INSTRUCTIONS



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

## OVERVIEW

The "RC100" 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 "RC100" uses bidirectional 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.

## KEY DESCRIPTIONS

KEY	FUNCTION	KEY	FUNCTION
	Press the on/off button, the light goes to permanent on or permanent off mode, the sensor is locked, MUST Press "AUTO" to quit from this mode.		Press "Auto" button, the sensors start to work automatically and all parameters remain the same as the latest status in auto mode.
	Display current parameters		The button "Test" is for testing purpose sensitivity only, the sensor goes to test mode (hold time is only 2s) automatically after commissioning, meanwhile the stand-by period and daylight sensor are disabled. Press "AUTO" to quit from this mode.
	upload the selected parameters to sensors		
	Enter in the setting condition and navigate to UP and Down		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 1 min 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 after 1min. This feature is disabled by default. If you want to open this setting, just press , choose daylight sensor setpoint on/off.
	Navigate to Right and Left		
	Confirm selected parameters and saving		
	Default settings: 		Four modes with existing parameters which are available to be updated and saved in Modes
BRIGHTNESS	Adjust the light brightness during hold time.		Select  /10LUX/30LUX/50LUX/  threshold for sensor to turn light fixture ON. Select , current surrounding lux value as daylight lux threshold, select , the built-in daylight sensor stops working, and all motions detected could turn the light fixture on, no matter how bright the natural light is.
SENSITIVITY	Adjust sensor sensitivity		
HOLD TIME	The time of light fixture remains at programmed 70%/80%/100% level after motion is not detected		Select the stand-by dimming level at 0%/ 10%/30%/ 50%; Note: "0%" means on/off control;
STAND-BY TIME	Select stand-by period at 1min/30min / 60min/+∞; Note: "+∞" means bi-level dimming control, fixture never switches off.		

## NOTE:

The "RC100" 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 BUTTONS

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

- To turn on/off light manually, press "ON/OFF" button, the sensor is locked, MUST Press "AUTO" to quit from this mode.
- To test sensitivity only. Press "TEST" button, the sensor goes to test mode (hold time is only 2s) automatically after commissioning, meanwhile the stand-by period and daylight sensor are disabled. Press "AUTO" to quit from this mode.

- To send the current parameters to sensor ,aim to the sensor ,and press SEND button.

NOTE: any common button is pressed to sensor, the light will on one time and off as confirm.

## SETTING

The SETTING Content contains all available settings and parameters for "RC-100" remote sensors. It allows you to change the available control, parameters, and operation of the sensor from factory default or current parameters.

NOTE:the setting works only in Auto mode.

### Change multiple settings of sensor(s)

- 1.Press DISP button(if you push ON/OFF button before you push DISP button, the sensor is locked, so please push "AUTO" button to unlock the sensor ,and then push DISP button), the controller leds will show the latest parameters.
- 2.press ▲ or ▼ enter in the setting condition, 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 SEND to upload the new parameter. light will be one time and off , as confirm.

NOTE: 1.If you press DISP button, the remote control leds will show the latest parameters which were sent.  
2.If you want to learn current surrounding lux value as daylight lux threshold, please choose ☞ when you select daylight sensor lux threshold.

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

- 1.Press "DISP" , the remote control leds will show the latest parameters.
- 2.Press ▲▼◀▶ to Select the new parameter.
- 3.press ☐ ,daylight sensor off setpoint led in remote control will flash ,select daylight sensor setpoint for turn light off,and select daylight sensor setpoint for turn the light on .
- 4.press ok to confirm all setting and saving.
- 5.aim at the target sensor and press "SEND" to upload the new parameter.light will be one time and off , as confirm.

NOTE: ☐ is disabled by default.

- 1.Open or close daylight sensor on/off setpoint, it only works when remote control in the setting condition, you just push ☐ , daylight sensor setpoint on/off setpoint will be close or open.
- 2-1.when daylight sensor works, the setpoint on lux must be 10lux,30lux,50lux,not ☞ , the light turn on when natural light lower than 10lux,30lux,50lux even without motion detection after 1min.
- 2-2:when daylight sensor works, the setpoint off lux must be 100lux,300lux,500lux,not ☞ , the light turn off when natural light exceeds than 100lux,300lux,500lux even with motion detection after 1min.
- 2-3: when daylight sensor works,the stand-by time is only +∞ .
3. ☐ is normal for outdoor using,not for indoor .

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

The "RC-100" comes with four MODES which are not default.You may make desired parameters and save as a new MODE(1,2,3,4)to configure the installed sensors.

RESET:

MODE	BRIGHTNESS	SENSITIVITY	HOLD TIME	DAYLIGHT SENSOR	STAND-BY DIM	STAND-BY TIME
MODE1	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 MODE1 / MODE2 / MODE3 / MODE4 button,the remote control leds show existing parameters.
- 2.press ▲▼◀▶ to select the new parameters.
- 3.if want to open/close daylight sensor lux setpoint on/off , press ☐ ,select right lux setpoint.
- 4.Press "OK" to confirm all parameters and saving in the mode.

NOTE: if do not know existing parameters in MODE1 / MODE2 / MODE3 / MODE4 , repeat Step 1.

## 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 "RC-100" Remote control .

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

- 1.Press Display button OR press MODE1 / MODE2 / MODE3 / MODE4 , all parameters are displayed in "RC100" Remote control.

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

- 2.Aim at the sensor and press "SEND" button , the light will be one time on and off , as confirm.

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