# **RC-200** Sensor Remote Programmer **OPERATION INSTRUCTIONS**

### **SPECIFICATIONS**

Power supply	2 x AAA 1.5V battery, Alkaline preferred		
Carrying case	RC-200 in carrying case		
Upload range	Up to 15 m (50 ft.)		
Op. temperature	0°C~50°C (32°F~122°F)		
Dimensions	123 x 70 x 23.3 mm (4. 84" x 2.76" x 0. 91")		





# **A** WARNING

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

### **OVERVIEW**

The remote control 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 remote control send sensor setting 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.

# PARAMETER INTRODUCTION

PARAMETER	DESCRIPTION	PARAMETER	DESCRIPTION	
POWER	High end trim turning function(To Set the output level of connected lighting during occupancy)	LEARN	To select the current surrounding luvalue as the daylight threshold. This feature enables the fixture to function well in any real application circumstances.	
SENS	To set the occupancy sensing sensitivity of the Sensor	DISABLE	The daylight sensor stops working, and all motion detected could turn on the lighting fixture, no matter how bright the natural light is.	
HOLD TIME	The time that the Sensor will turn off(if you choose stand-by level is 0) or dim the light to a low level after the area is vacated	DIM LEVEL	To set the output level of connected lighting during vacancy. The sensor will regulate the lighting output at the set level. Setting the STAND-BY DIM level at 0 means light full off duringvacancy.	
LUX MODE	Four LUX MODES for choosing: DISABLE, DAYLIHGT, D_Harvest ( daylight harvesting), Photo_Con(Smart Photocell Function)	DIM TIME	To represents the time that the Sensor will keep the light at low dim level after the HOLD TIME elapsed.	

### **BUTTON OPERATION**

BUTTON	DESCRIPTION	BUTTON	DESCRIPTION	
ON OFF	Press the  button, the light goes to permanent on or permanent off mode, and the sensor is disabled. (MUST press button to quit this mode for Setting.	(AUTO)	Press who button, the sensor starts to function and all settings remain the same as the latest status before the light is switched on/off.	
DISP	Display the current/lastest setting parameters in LED indicators(the LED indicators will on for showing the setting parameters).	(TEST)	The button is for testing purpose sensitivity only. after you choose sensitivit thresholds, then you press button, The sensor goes to test mode(hold time is	
RESET	Press button, all settings go back to settings of dip Switch in sensor.	2s)	only 2s) automatically ,meanwhile the stand-by period and daylight sensor are disabled. Press (um) button to quit from this mode.	
	Navigate to UP and Down for choose selceted parameter in LED indicators.		Navigate to LEFT and RIGHT for choosing digits of numbers.	
OK)	Enter in the setting condition,the parameter will flash     Confirm the selected parameters			
SEND	Press (EM) button, upload the current parameters to sensor(s), the led light which the sensor connects will on/off as confirm.	<b>(5)</b>	Press (2) button, the interface of the remote control will return to the previous level.	
MODE1 MODE2  MODE3 MODE4	4 Scene modes with preset parameters which are available to be changed and saved in modes.			

## **SETTING**

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

## Change multiple settings of sensor(s)

- 1.Press (DISP) button, the remote control will show our logo.
- 2.Press (**ok**) button to enter the remote version choose interface, then press (▼) to choose RC200.
- 3. Press (OK) button to enter the parameter interface. NOTE: if you push ON/OFF button before, you must push "AUTO" button to unlock the sensor.
- 4.Press ♠ or ♥ enter in the setting condition. The selected parameter background will turn black.
- 5.Press (OK) button to change the parameter value, the parameter will flash. Navigate to the desired setting by pressing  $( \bullet )( \overline{\bullet} )( \overline{\bullet} )$  to select the new parameters.
- 6.Press (ok) to confirm all setting and saving.
- 7. Aim at the target sensor and press to (SEND) the new parameter, the led light which the sensor connects will on/off as confirm.

**NOTE:** The setting works key step is by Push or  $\bigcirc$  or  $\bigcirc$  , enter in the setting condition.

NOTE: The led light which the sensor connects to will flash on/off to confirm receiving the new parameters.

NOTE: If you press (DISP) button, the remote led indicators will show the latest parameters which were sent.

## Change multiple setting of sensors with smart photocell sensor Open

- 1.Press (DISP) button, the remote control will show our logo.
- 2.Press (OK) button to enter the remote version choose interface, then press (V) to choose RC200.
- 3. Press (OK) button to enter the parameter interface.
- 4.Press ♠ or ♥ enter in the setting condition. The selected parameter background will turn black.
- 5. Press ( $\nabla$ ) three time, the background of LUX MODE will turn black.
- 6.Press (ok) the parameter will flash.
- 7.Press (A) or (V) to choose "Photo-Con", you will see two lux can be set. Select LUX IN as setpoint to light on automatically, select LUX OUT as setpoint to light off automatically.

#### NOTE:

- 1. When the smart photocell function open, two lux need to be set, Select LUX IN as setpoint to light on automatically, select LUX OUT as setpoint to light off automatically.
- 2. When the smart photocell function open, the DIM Time is only infinity.
- 3.Smart Photocell sensor take place of normal photocell sensor and work independently.
- 4.See Smart Photocell Function.

### **Corridor Function**

This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%--->dimmed light (natural light is insufficient) --> off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



With suffcient natural light, the light does not switch on when the sensor switches on the light stand-by level if the surrounding presence is detected.



With insufficient natural light. automatically when presence natural light is below the



After hold-time, the light dims to daylight threshold.



Light switches off automatically after the stand-by period

## **Daylight Sensor Function**



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 on this demonstration: Hold-time: 30min LUX IN:50lux

LUX OUT: 300lux DIM LEVEL:10%

( When the smart photocell function open, the DIM Time is only infinity )

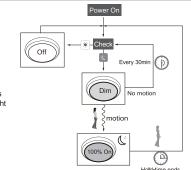




When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.



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



#### Corridor Function VS Smart Photocell Function.

- 1.In corridor function, turn on the light MUST by natural light level lower daylight sensor setting and Occupancy, In Smart Photocell Function, turn on the light by natural light level lower daylight setpoint to light on even if vacancy.
- 2.In corridor function, turn off light by stand-by time finish if vacancy. Smart Photocell Function, turn off the light by natural light level higher than daylight setpoint to light off eve if occupancy.
- 3.Smart Photocell Function, natural light level lighter/lower than daylight setpoint to light off/on MUST keep at least 1mintue, that will turn off/on the light automatically.

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

The remote control comes with 4 Scene MODES which are not default. You may make desired parameters and save as the new MODE(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)

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%	<b>(3)</b>
Indoor	Mode 2	100%	75%	1min	+∞	30%	<b>③</b>
Indoor	Mode 3	100%	75%	5min	30min	30%	30LUX
Outdoor	Mode 4	100%	75%	1min	+∞	30%	(30LUX/300LUX)

#### Change the MODES:

- 1.press (mm) / (mm) / (mm) / (mm) button, the remote control Led indicators show existing parameters.
- 2.press ♠♥♠ to select the new parameters.
- 3. Press (ok) to confirm all parameters and saving in the mode.

## **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 Remote control.

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

1.Press (NP) button or press (NDP) (NDP) (NDP) (NDP), all parameters are displayed in Remote control.

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

2. Aim at the sensor and press (eno) button, the light that sensor connects will be on/off as confirm.

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