Sunco Lighting RC-100 Remote Control for Bi-Level Microwave Motion Sensors Instruction Manual

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Contents [hide]

RC-100 Remote Control for Bi-Level Microwave Motion Sensors

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Specifications

- Power supply: 2 x AAA 1.5V battery, Alkaline preferred
- Carrying case: Included
- Dimensions: (not provided in the text)

Product Usage Instructions

Overview

The RC-100 Sensor Remote Programmer allows users to customize various settings related to lighting control and occupancy sensing. The remote features LED indicators for brightness, sensitivity, hold time, and other functions.

Button Operation

- **@ Button:** Toggles the light between permanent on or off mode and disables the sensor.
- **9 Button:** Activates the sensor with the settings retained from the last status before the light was switched on/off.
- **CB Button:** Used for navigation and selection of parameters in LED indicators.
- **@ Button:** Enters setting mode for parameter selection. Allows for confirmation of selected parameters.
- **4 Button:** Controls scene modes with preset parameters that can be changed and saved.

Setting

The setting content includes various available settings and parameters for remote sensors. Users can change control, parameters, and operation settings from factory defaults or current parameters.

Important: If the @ button was pressed before,
press the @ button to unlock the sensor before making changes.

To confirm and save settings:

1. Press OK to confirm all settings.
2. Aim at the target sensor and press to upload the new parameters. The LED light on the sensor will confirm the changes.

Frequently Asked Questions (FAQ)

Q: How do I know if the sensor is disabled?

A: Pressing the @ button will disable the sensor, and the light will be in permanent on or off mode.

Q: What happens if I don’t use the remote for 30 days?

A: It is recommended to remove the batteries from the compartment if the remote will not be used for 30 days to prevent damage.

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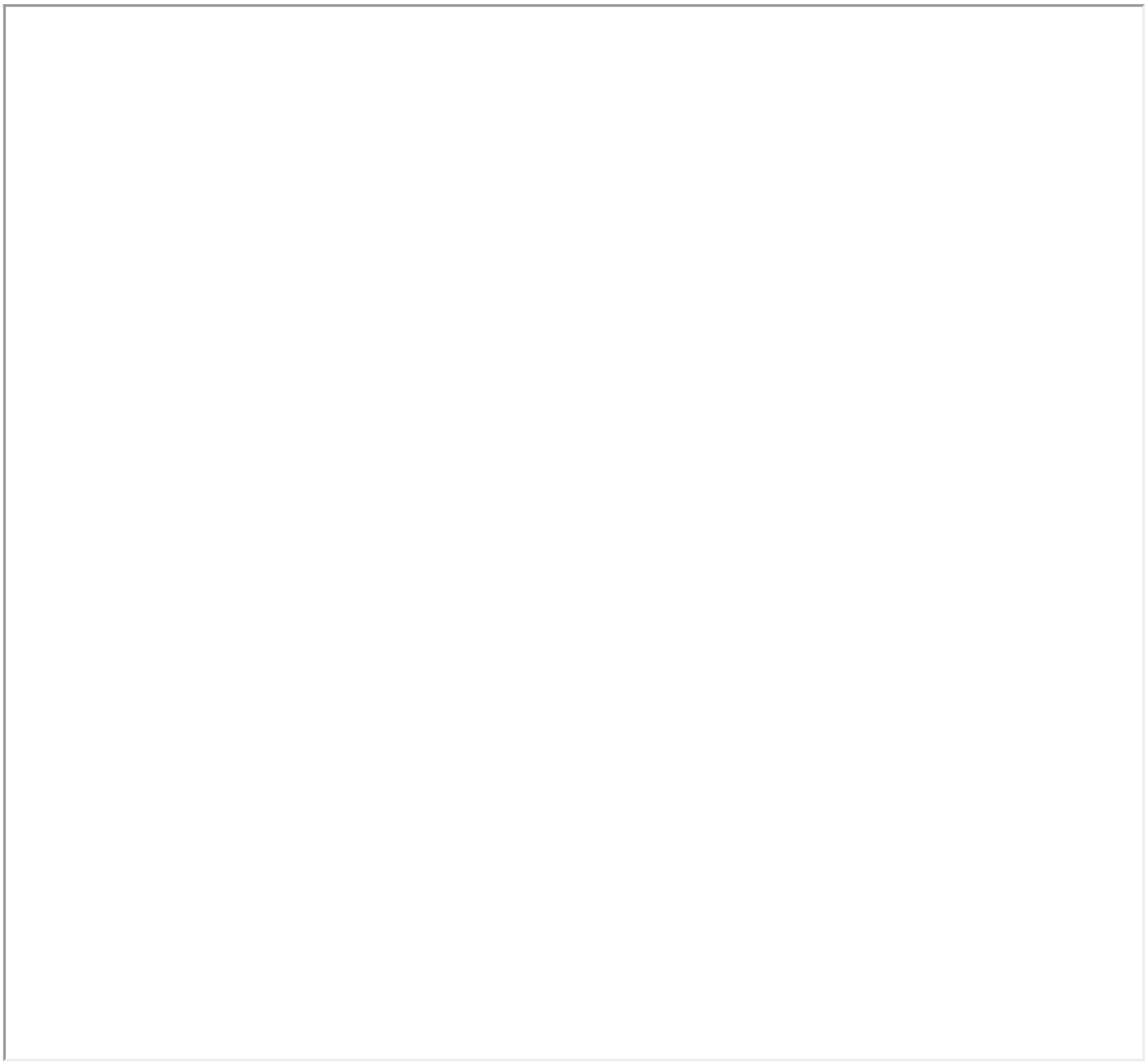
View Fullscreen



RC-100 Sensor Remote Programmer OPERATION INSTRUCTIONS

SPECIFICATIONS

Power supply 2 x AAA 1. 5V battery, Alkaline preferred

Carrying case

RC-100 in carrying case

Upload range Up to 15 m (50 ft.) Op. temperature 0°C-50°C (32°F-122°F)

Dimensions

123×70 x20.3 mm (4. a4·x2.76″x 0. a·)

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[!] REMOTE with carrying case

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 IA-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.

LED INDICATORS

LED
BRIGHTNESS SENSITIVITY HOLD TIME

DESCRIPTION
High end trim turning function(To Set the output level of connected lighting during occupancy) To set the occupancy sensing sensitivity of the Sensor 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

LED

DESCRIPTION

To select the current surrounding lux

value as the daylight threshold. This

@

feature enables the fixture to function

well in any real application

circumstances.

The daylight sensor stops working,

CID

and all motion detected could turn on the lighting fixture, no matter how

bright the natural light is.

STAND-BY DIM

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 O means light full off duringvacancy.

DAYLIGHT To represents various thresholds of SENSOR natural light level for the Sensor .

To represents the time that the STAND-BY TIME Sensor will keep the light at low dim level after the HOLD T IME elapsed.

BUTTON OPERATION
BUTTON DESCRIPTION

BUTTON

DESCRIPTION

@ F
s
8

Press the @ button, the light goes
to permanent on or permanent off
S mode, and the sensor is disabled.
(MUST press button to quit this mode for Setting. Display the current/lastest setting parameters in LED indicators(the LED indicators will on for showing the setting parameters). Press§ button, all settings go back to settings of dip Switch in sensor.

8 ® s

9 Press button, the sensor starts to
function and all settings remain the same as the latest status before the light is switched on/off.
The button® is for testing purpose sensitivity only. after you choose sensitivity thresholds, then you press ® button, The sensor goes to test mode(hold lime is only 2s) automatically ,meanwhile the
S stand-by period and daylight sensor are
disabled. Press button to quit from this mode.

@

Enter in the setting condition, the parameter leds of remote control will flash to be selected. and Navigate to UP and Down for choose selected parameters in LED

indicators.

CB

Navigate to LEFT and RIGHT for choose selected parameters in LED indicators.

@
8 88 88

Confirm the selected parameters selected parameters in remote control.
S Press button, upload the
current parameters to sensor(s), the led light which the sensor connects will on/off as confirm.
4 Scene modes with preset parameters which are available to be changed and saved in modes.

@

Open and close smart daylight Sensor. Press @or Enter in the setting condition, the parameter leds of remote control will flash to be selected, Press @for open or close smart daylight Sensor.

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§button, the remote control leds will show the latest parameters you set.
NOTE: if you push @button before, you must push@ button to unlock the sensor.
2.Press@or ® enter in the setting condition, the parameter leds of remote control will flash to be selected, 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 to upload 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 ®,

enter in the setting condition.
NOTE: the led light which the sensor connects will on/off after getting the new parameter as confirm.
NOTE: If you press§ button, the remote led indicators will show the latest parameters which were sent.

-2-

Ch ange m ultiple set ting of sensors with smart ph ot o cell sensor Open

S, 1.Press

the remote led indicators will show the latest parameters.

® 2.Press @or enter in the setting condition, the parameter Led indicators of remote control will

flash to be selected.

® 0 0 3.Press@,2 led indicators will flash in daylight sensor settings ,select daylight

as

setpoint to light on Automatically , select daylight @ @ @ as setpoint to light off

Automatically.
@ 4.Press to confirm all setting and saving. @ 5.Aim at the target sensor and press to upload the new parameter. The led light which the sensor

connects will on/off.

NOT E: @ is disabled by default.

1.Open or close the smart daylight sensor by push@ when remote control is in setting condition.

2.When the smart daylight sensor open, 2 Led indicators are flash in daylight sensor setting.

G 0 0 select daylight

® ® as setpoint to light on Automatically , select daylight @

as setpoint to light off automatically.When smart daylight sensor close, 1 Led indicator is flash in

the daylight sensor setting for choose daylight sensor threshold.
8 3.When the smart daylight sensor open, the stand-by time is only

4.Smart daylight sensor takes place of normal photocell senor and works independently.

5.See Daylight Sensor 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: moti on hold-time and stand-by period; S electable daylight threshold and freedom of detecti on area.

0

With suffcient natural light, the light does not switch on when presence is detected.

With insufficient natural light, the sensor switches on the light automaticallywhen presence is detected.

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

Light switches off automatically after the stand-byperiod elapses.

Daylight Sensor Function

Open the daylight sensor by push@when remote control is in setting condition.

The lightswitches on at 100% when there is movement detected.

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

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

The light remains in dimming level at night.

-3-

O @) goes in cyde at night—

100% on when movement detected, and dims to 10% in long absence.

When the n atural light level exceeds setpoint off to light.the light will

The light automatically turns o n a t 10% when natural light is insuffcient (no motion).

turn off even if when the

space is occupied.

Corridor Function VS Daylight Sensor Function.

Hold-time ends

1.ln corridor function, turn on the light MUST by natural light level lower daylight sensor setting

and Occupancy . In smart daylight sensor 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. In smart daylight sensor

function, turn off the light by natural light level higher than daylight setpoint to light off even

if occupancy.

3.In smart daylight sensor 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 DI P 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%

Indoor Mode2 100%

75.

1min +oo 30%

Indoor Mode3 100%

75%

5min 30min 30%

@ @
30LUX

Outdoor Mode4 100.

75%

1min +oo 30% @(30LUX/300LUX)

Change the MODES:

@®® 1.press@ !@!@!@ button,the remote control Led indicators show existing parameters.

2.press

to select the new parameters.

3.Press (§)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 CUR RENT 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 button or press@!@!@!@, 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§button , the light that sensor connects will be on/off as confirm.
S Note: if other sensor need same parameters, just aim at the sensor and press button.

V2.6

Documents / Resources

	Sunco Lighting RC-100 Remote Control for Bi-Level Microwave Motion Sensors [pdf] Instruction Manual RC-100 Remote Control for Bi-Level Microwave Motion Sensors, RC-100, Remote Control for Bi-Level Microwave Motion Sensors, Bi-Level Microwave Motion Sensors, Microwave Motion Sensors, Motion Sensors

References

- User Manual

Sunco Lighting

Bi-Level Microwave Motion Sensors, Microwave Motion Sensors, Motion Sensors, RC-100, RC-100 Remote Control for Bi-Level Microwave Motion Sensors, Remote Control for Bi-Level Microwave Motion Sensors, Sunco Lighting

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