Versatile Smart Sensor Configuration Tool

SR-Sensor-Remote

User Manual

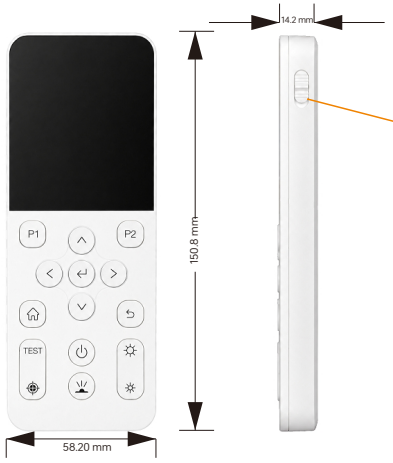


PRODUCT DESCRIPTION:

SR-Sensor-Remote is a cross-protocol configuration tool which can reduce the difficulty and waiting time of factory/field operation through intuitive interface.

With this configuration tool, you can configure the parameters of DALI, 0/1-10V/PWM and ON-OFF Sensors (From SUNRICHER).

Dimension



Switch ON/OFF Button

PUSH UP: Switch OFF
PUSH Down: Switch ON

Operation Button Info



P1 P2 : Profile 1 & Profile 2

: Parameter selection

: Main page

: Back to last page

: ON/OFF

: IR Command Send/ Read

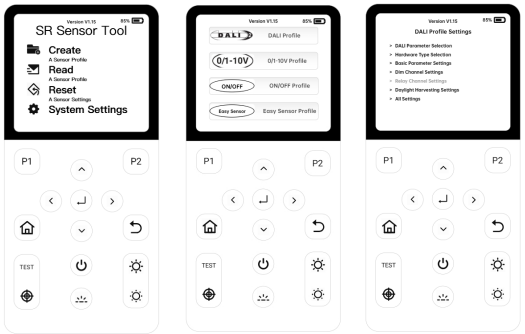
: Dim Up

: Dim Down

TEST : Test Mode

: Daylight Calibration

How to Create a Setup (e.g DALI) ?



1) Click the “Create a Sensor Profile”.

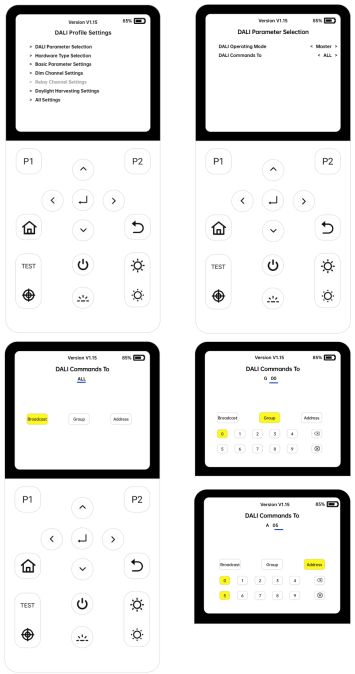
2) Click the “DALI Profile”.

3) Enter the “DALI Profile Settings” page.

Then you’re about to set the parameters of the corresponding sensor.

DALI Profile Setting

1) Enter the “DALI Parameter Selection”



DALI Operating Mode:

Master: The sensor is in DALI Master, Which to say we don’t need extra DALI master to configure the parameter. (You can directly configure all parameters by this remote)

Slave: The sensor is in DALI agent mode, work with traditional 3rd Party DALI Master.
Compatible brands like Sunricher/ Tridonic/ Lunatone/ Philips Dynalite...

Note：1 hardware SKU，2 versatile options.

DALI Commands To:

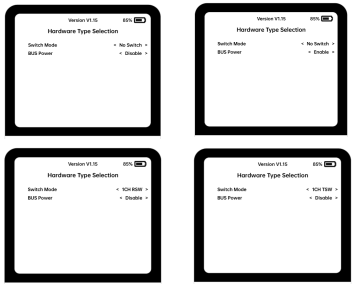
All: Broadcasting the DALI Commands to all devices (In the same DALI line)

Group: Broadcasting the DALI Commands to the corresponding group (In the same DALI line)

Address: Broadcasting the DALI Commands to the corresponding address (In the same DALI line)

Note: This mode is valid when Operating mode is set to “Master” Mode

2) Enter the “Hardware Type Selection”



Switch Mode:

No Switch: Sensor has no switch related.

1CH RSW: Sensor built-in 1CH momentary switch input.

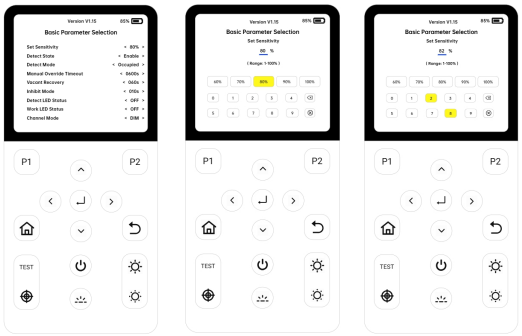
1CH TSW: Sensor built-in 1CH toggle switch input.

BUS Power:

Enable/Disable: Free to manage the (Built-in) DALI BUS power of the sensor.

Note:
Switch mode/BUS Power feature is aiming for those sensors which have different hardware design.

3) Enter the “Basic Parameter Selection”



Set Sensitivity:

Using the pre-set sensitivity or using the below figures to fine-tune the sensitivity.

Range：1-100%, Min.Step 1%.

Note: Within this Smart Remote, you can do “stepless” sensitivity setting, which is super.



Detect State < Disable >

Detect Mode < Occupied >

Detect State:

Enable/ Disable PIR feature.

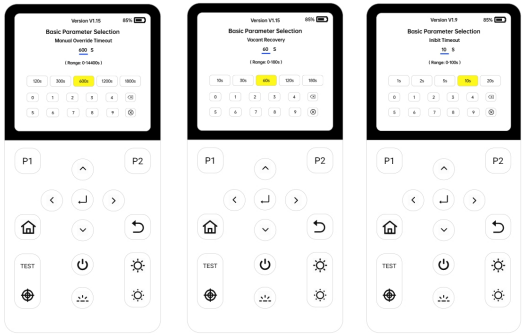
Detect State < Enable >

Detect Mode < Vacant >

Detect Mode:

Occupancy: All luminaires are switched on when motion is detected and switched off when there is no movement.

Vacancy: All luminaires are switched on manually with a switch or remote and switched off automatically when there is no movement.



Manual Override Timeout:

Using the pre-set figures or using the below figures to fine-tune the sensitivity.

Range：0-14400s, Min.Step 1s.

Note：Please do not set to 0s.

Vacant Recovery:

As know as vacant delay effected time.

e.g. When sensor is set to Vacany mode, light can be turned on by PIR within Vacant recovery time (like 10s) when the light is turned off.

Note: Valid only when sensor is in Vacant mode.

Inhibit mode:

As know as the Relay debouncing time.

Aiming for those Sensor which have relay inside of it.



Detect / Work LED Status:

ON/OFF the Status LED.

Channel Mode:

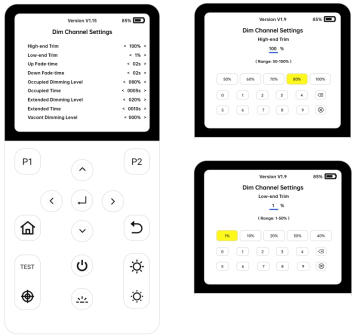
DIM: The sensor with dimming capability.

DIM & Switch: The sensor with dimming and relay Capability. Two channel linked.

DIM, Switch: The sensor with dimming and relay Capability. Two channel Independent.

Note: In DALI application, “DIM & Switch” occupied 1 DALI Address；“DIM & Switch” occupied 2 DALI addresses.

4) Enter the “Dim Channel Settings”



High-end Trim:

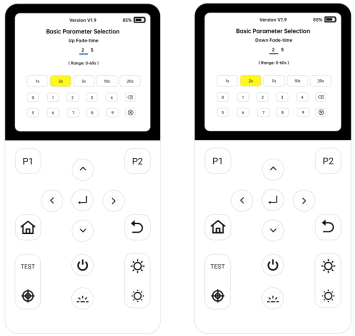
Max.Brightness.

Range: 50-100%. Min.Step 1%.

Low-end Trim:

Max.Brightness.

Range: 1-50%. Min.Step 1%.



Up Fade-time:

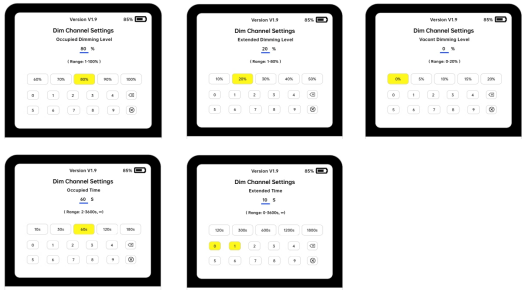
Fade-in time.

Range: 0-60s. Min.Step 1s.

Down Fade-time:

Fade-out time.

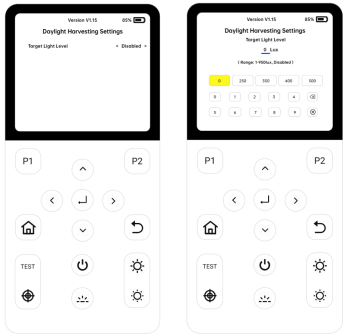
Range: 0-60s. Min.Step 1s.



Occupied Dimming Level:
Range：1-100%, Min.Step 1%.
Occupied(Hold) Time:
Range：2-3600s,+∞, Min.Step 1s.
Extended Dimming Level:
Range：1-100%*, Min.Step 1%.
Extended Time:
Range：0-3600s,+∞, Min.Step 1s.
Vacant Dimming Level:
Range：0-100%*, Min.Step 1%.

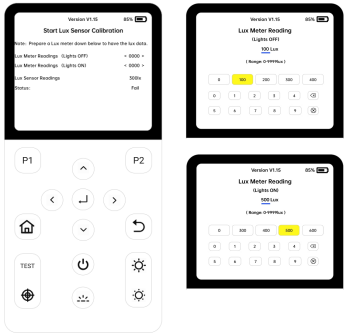
Note*:
Occupied Dimming Level ≥Extended≥Vacant

5) Enter the “Daylight Harvesting Settings”



Target Light Level:
Disable/ Enable.
Range: 1-950lx. Min.Step 1lx.

In order to have better user experience, Daylight Calibration* shall be deployed before you input the target light level.



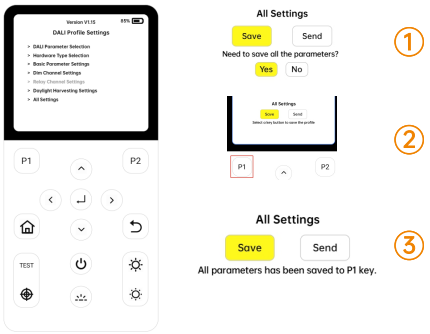
Daylight Calibration:
Preparation： A Lux meter.

Click Enter the Calibration interface.
And now we needs to input 2 values inside, the Lights off and Lights on Value.
(You can use the ⏻ button to ON/OFF the lights, then records the value.

Then long-press the button to calibrate the Sensor (around 30s). After the calibration, You shall see the “succeed” pop up in the interface, Which is to say， we done it!

Then You can go the the Target light level to select your desired lux value！

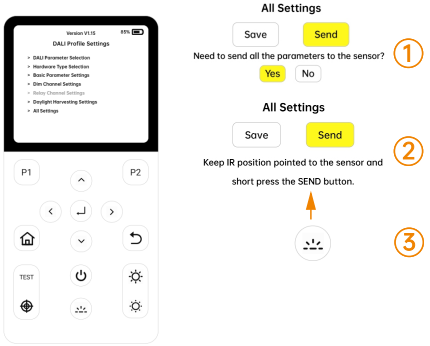
6) Enter the “All Setting”



Save as a Profile

1) Enter All Settings, Clink Save and YES.

2) Click P1 as a saved profile.



Send to Sensor

1) Enter All Settings, Clink Send and YES.

2) Click “IR Command Send” button to send all settings.

7) Combined Button Features info

: Dim Up
: Dim Down

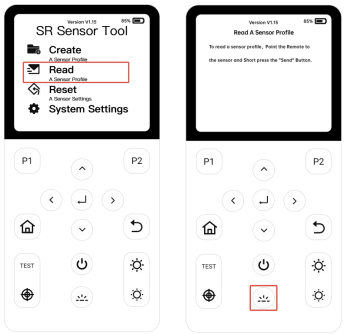
1) Long-press “Dim Up” button to dim up the lights. Long-press “Dim Down” button to dim down the lights.
Dimming range: 0-100% (Low-High end trim level)

: Test Mode
: Daylight Calibration

Test Mode description (The whole process) :

1) Verify dimming: the sensor outputs 0%, 10%, 50% and 100% brightness, and each brightness stays for 2S. Verify the relay: turn off the relay once, stay for 2S, and then turn on the relay. Verify PIR: If there is anyone, output DIM from 0%-100%-0% with an interval of 2S and finally stay at 0%. Verify the light sensor: If the illumination is greater than 300LUX, flash twice at 100%-0%-100%-0%-100%.

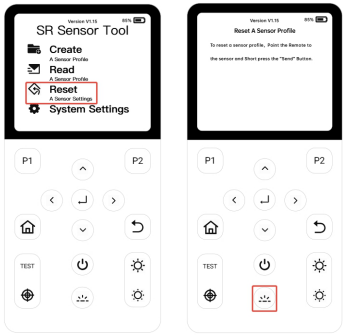
Read a Sensor Profile



Read a Sensor Profile:
Using the remote to read out the settings of the sensor.

It is super convenient and easy to know the parameters of configuration, especially after installations & when you plan to do some changements.

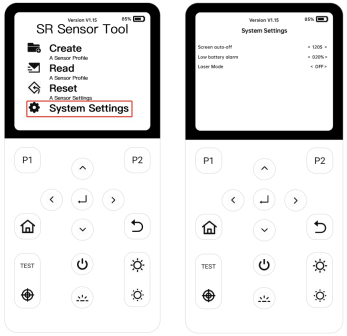
Reset a Sensor Profile



Reset a Sensor Profile:
Using the remote to reset settings of the sensor.

A quick method to reset all the settings.

System Settings



System Settings

Screen auto-off:
Range：0-120s.
Helps to prolong the battery life.

Low battery alarm:
Range：0-99%.
Helps to remind you to charge it in time.

Laser Mode:
ON/OFF/IR.
Helps you to locate the sensor in practical application.Especially in High-bay or neighboring sensors.

Tips





1) Always Point the Remote directly to the Sensor.
   The closer, the smaller the angle, the better the experience.

2) Saving Profiles at ease, Max.2 Saved profiles can be call out at any time.

3) Saved Profiles' parameter can be changed but cannot be written individually.

3) Relay Channel setting is valid for ON/OFF Sensor.

4) Any Single parameter setting can be written by "Send" button，except "Target Light Level" feature

5) Target Light level concept is maintaining the basic light level，which is to say the Min.dim level is 1%.

7) After resetting. Sensor needs to be activated by remote or its power.
   Otherwise it shall enter the Manual Override timeout. Then runs the settings automatically.

Update Log

Date	Version	Update Content	Update by
2026-5-25	V1.0	Initial Version	Romeo

Subject to change without notice. Please contact us if you have any questions.