

SpaceLogic Sensors

SXWS Sensor Touchscreen Covers

Light & Blind Control

User Guide

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03/2023



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Safety Information

Important Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special messages may appear throughout this bulletin or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates an hazardous situation which, if not avoided, **will result in** death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

NOTICE

Notice is used to address practices not related to physical injury.

Please Note

Electrical equipment should be installed, operated, serviced and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Safety Precautions

- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- Read and understand the instructions before installing the product.
- Turn off all power supplying equipment before working on it.
- The installer is responsible for conformance to all applicable codes.

If this product is used in a manner not specified by the manufacturer, the protection provided by the product may be impaired. No responsibility is assumed by the manufacturer for any consequences arising out of the use of this material.

Overview

SpaceLogic SXWS sensors are a family of Living Space sensors for use with Schneider Electric MP and RP Series IP controllers that use the EcoStruxure Building Operation (EBO) software user interface. These sensors use an RJ-45 sensor bus that provides communication and power from the controller. SXWS sensors are modular and are ordered in two parts: the sensor base and the cover*. Four communicating sensor base models are available that can be paired with any one of 14 touchscreen covers.

All SXWSCDxxxxxx touchscreen covers display current time, temperature, relative humidity percentage (if equipped), CO₂ ppm (if equipped), as well as heating, cooling and Eco mode status. The touchscreen is configurable through EBO software to add buttons for temperature setpoint, override, temperature scale, fan speed, lighting control, blind control, lighting and blind scenes, heating mode, cooling mode, and Auto HVAC mode.

SXWSCDxxxxxx touchscreen covers are available in Medium matte white housings or Optimum glass panel housings available in white or black. Optimum glass panel housings are available with capacitive buttons for one-touch light and blind control located below the touchscreen.

This user guide describes the use of the light and blind control features on the SXWS touchscreen models.

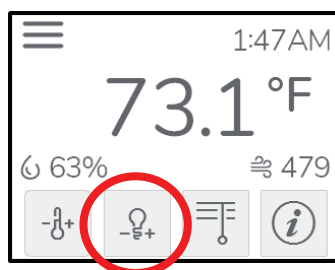
* Except SXWSAT.

Selection and Use of Light and Blind Groups

Schneider Electric EBO software version 5.0 and later supports up to four light groups and twelve blind groups accessible through SXWS sensors.

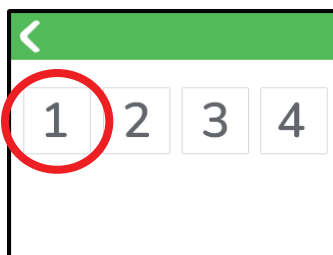
Light Groups

1. To select a light group configured in EBO, go to the SXWS main screen and tap the lightbulb icon to access the light group selection submenu.

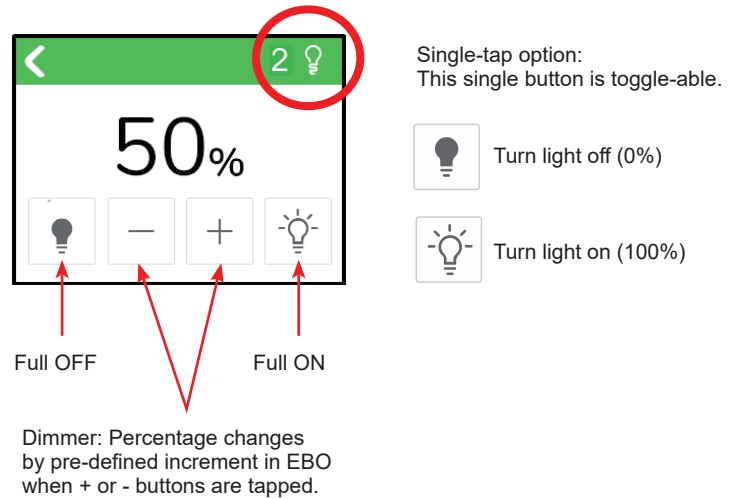


Otherwise, tap the menu icon to select the lightbulb icon.

2. The light group selection submenu displays from two up to four groups as configured in EBO. If using only one group, the light control screen is directly displayed. Tapping any of these buttons will bring you to the light group submenu.



- When more than one group is defined in EBO, the light group number is displayed next to the lightbulb icon in the upper right-hand corner of the light group submenu.

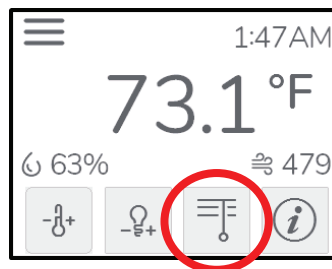


The Full OFF and Full ON buttons allow the light to be turned fully off or on in the group.

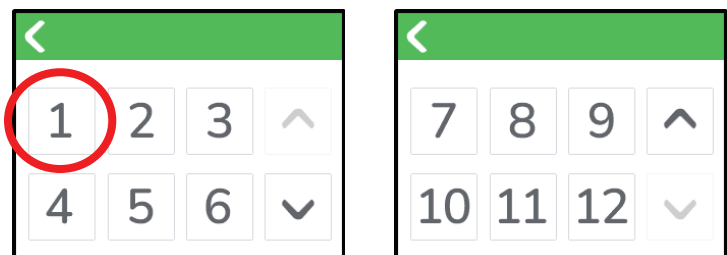
The dimmer is controlled by the + and - (plus and minus) buttons to increase or decrease intensity of the light associated with the light group.

Blind Groups

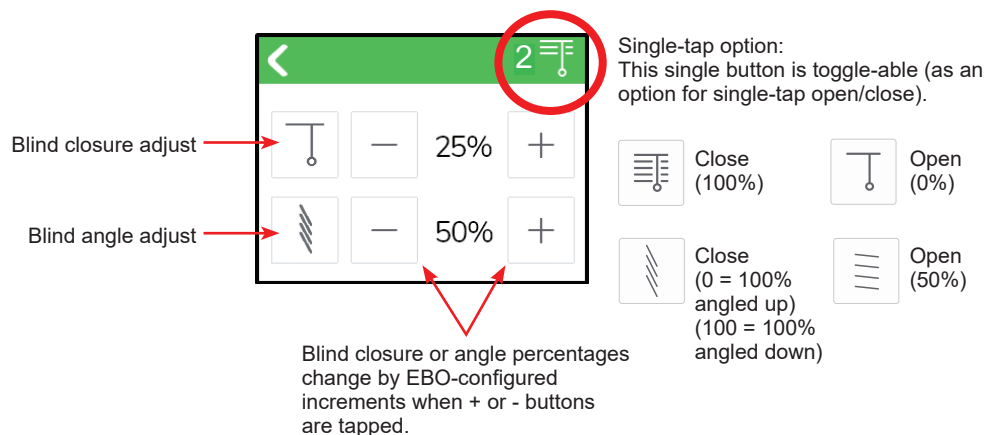
- To select a blind group configured in EBO, from the SXWS main screen, tap the Blinds shortcut icon to access the blind group selection submenu.



- The blind group selection menu displays the available blind groups. As for light, if only one blind group exists, the related screen is directly displayed. When more than six groups are defined in EBO, the buttons are displayed on two screens. All 12 groups appear in the menu, but their accessibility is configured in EBO. Because there are 12 blind groups available, the buttons are displayed on two screens. Use the up and down arrow buttons to scroll between the two screens. Tapping any of the numeric buttons will bring you to the blinds submenu.



- When more than one group is configured in EBO, the blind group number is displayed next to the blind icon in the upper right-hand corner of the blinds submenu.



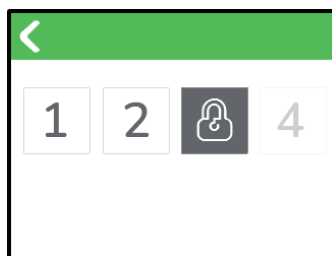
The upper row of buttons controls the closure of the blinds. The lower row of buttons controls the blind angle adjustment.

Use the + and - (plus and minus) buttons to increase or decrease the amount of blind closure or angle adjustment associated with the blind group.

Enabling/Disabling Changes to Light and Blind Properties

Both light and blind groups can be set to enable or disable changes through EBO. When accessing a menu with some disabled light or blind changes, the group buttons will be disabled.

In the example below, light groups 1 and 2 are enabled, while groups 3 and 4 are disabled. The button for group 3 has been tapped, so the icon has temporarily been changed to a lock icon to indicate that it is not able to be accessed or changed.



Adjusting Light and Blind Step Sizes

The SXWS device can be configured to change step sizes using EBO software. Step sizes are global across all groups according to type (i.e., all light groups will respect the step size setting for lights and all blind groups will respect the step size setting for blinds). The following step sizes are available.

Light step sizes:

- On/Off, 2 steps (step size 100%)
- 3 steps (step size 50%)
- 5 steps (step size 25%)
- 6 steps (step size 20%)
- 11 steps (step size 10%)
- 21 steps (step size 5%)

Blind position step sizes:

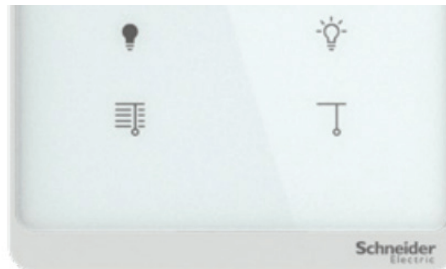
1. On/Off, 2 steps (step size 100%)
2. 3 steps (step size 50%)
3. 5 steps (step size 25%)
4. 6 steps (step size 20%)
5. 11 steps (step size 10%)
6. 21 steps (step size 5%)

Blind angle step sizes:

1. On/Off, 2 steps (step size 100%)
2. 3 steps (step size 50%)
3. 5 steps (step size 25%)
4. 6 steps (step size 20%)
5. 11 steps (step size 10%)
6. 21 steps (step size 5%)

Default Groups and Touch Cover Buttons

A default group can be configured within EBO software that will determine the touchscreen cover button behavior. Default groups affect both the touchscreen cover buttons and the on-screen toggle and menu buttons for lights and blinds.



The device can be configured so that button taps will result in different actions, as described below.

Navigate to default group and actuate

- Dark light bulb (short tap) – Screen will navigate to default light group adjustment screen, and value will be set to 0%
- Dark light bulb (long tap) – Screen will navigate to default light group adjustment screen, and value will decrease by selected light step size until reaching 0% or button is released.
- Shining light bulb (short tap) – Screen will navigate to default light group adjustment screen, and value will be set to 100%
- Shining light bulb (long tap) – Screen will navigate to default light group adjustment screen, and value will increase by selected light step size until reaching 100% or button is released.
- Closed blinds (short tap) – Screen will navigate to default blinds group adjustment screen, and value will be set to 100%
- Closed blinds (long tap) – Screen will navigate to default blinds group adjustment screen, and value will increase by selected blind position step size until reaching 0% or button is released.
- Open blinds (short tap) – Screen will navigate to default blinds group adjustment screen, and value will be set to 0%
- Open blinds (long tap) – Screen will navigate to default blinds group adjustment screen, and value will decrease by selected blinds position step size until reaching 0% or button is released.

*Navigate to default group**

- Dark light bulb (short tap)
- Dark light bulb (long tap)
- Shining light bulb (short tap)
- Shining light bulb (long tap)
- Closed blinds (short tap)
- Closed blinds (long tap)
- Open blinds (short tap)
- Open blinds (long tap)

*Note: Screen will navigate to the **default light group** adjustment screen for light groups or **default blinds group** adjustment screen for blind groups, but the value will not be modified until the on-screen buttons are tapped.

*Navigate to group selection**

- Dark light bulb (short tap)
- Dark light bulb (long tap)
- Shining light bulb (short tap)
- Shining light bulb (long tap)
- Closed blinds (short tap)
- Closed blinds (long tap)
- Open blinds (short tap)
- Open blinds (long tap)

*Note: Screen will navigate to the **light group** selection screen for light groups or **blinds group** selection screen for blind groups.

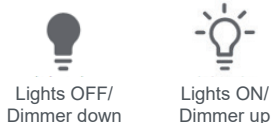
Touchscreen with Off-Screen Light and Blind Control Operation

Functionality applying to both two- and four-button models for light or blinds:

1. Navigate to default group and actuate
2. Navigate to default group
3. Navigate to group selection screen

Two-Button Models

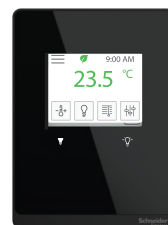
Two-button models include fixed light on and off with dimming buttons.



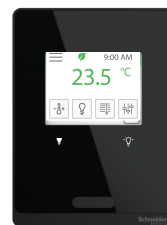
SXWSC2XSELXW



SXWSC2PSELXW
with Occupancy Sensor



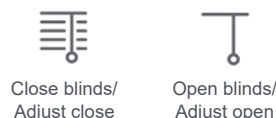
SXWSC2XSELXB



SXWSC2PSELXB
with Occupancy Sensor

Four-Button Models

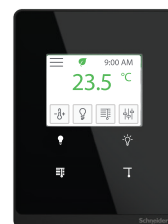
Four-button models include the lighting buttons described above plus fixed blind open and close with adjustment buttons.



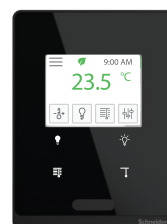
SXWSC4XSELXW



SXWSC4PSELXW
with Occupancy Sensor



SXWSC4XSELXB



SXWSC4PSELXB
with Occupancy Sensor

Off-Screen Lighting Button Operation

Note: The short and long taps described in this section will only work if the following behavior is set:

1. Navigate to default group and actuate

If either of the following behaviors are set, the screen will be updated to the relevant screen associated with the configuration:

2. Navigate to default group
3. Navigate to group selection screen

Light On Button



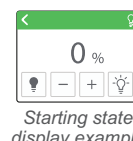
Short Tap

Display changes to lighting submenu with status. Lights in room go to 100%.

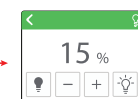


Long Tap

Display changes to lighting submenu with status. Lighting percentage increases until button is released. Display provides level indication.



Starting state
display example



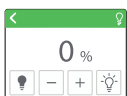
Button released

Light Off Button



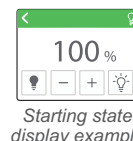
Short Tap

Display changes to lighting submenu with status. Lights in room go to 0%.

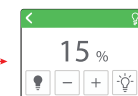


Long Tap

Display changes to lighting submenu with status. Lighting percentage decreases until button is released. Display provides level indication.



Starting state
display example



Button released

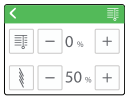
Off-Screen Blinds Button Operation

Note: For the blind angle adjustment behaviors described below, open = 50%, close = 0% (100% angled up) or 100% (100% angled down).

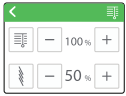
Open Blinds Button



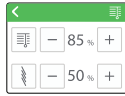
Short Tap
Display changes to Blinds submenu with status. Blinds in room go to 0%.



Long Tap
Display changes to Blinds submenu with status. Blinds percentage decreases until button is released. Display provides level indication.



Starting state display example

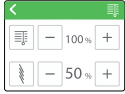


Button released

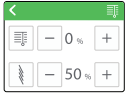
Close Blinds Button



Short Tap
Display changes to Blinds submenu with status. Blinds in room go to 100%.



Long Tap
Display changes to Blinds submenu with status. Blinds percentage increases until button is released. Display provides level indication.



Starting state display example



Button released

Schneider Electric

35 rue Joseph Monier
92500 Rueil Malmaison – France
Phone: +33 (0) 1 41 29 70 00
www.se.com

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