

Sensor Remote Programming Tool

Cat. No. ZLS0R-RC1



WARNINGS:

- If you are unsure about any part of these instructions, consult an electrician.
- For indoor applications only.
- **SAVE THESE INSTRUCTIONS.**

PK-A3383-10-00-5A

INSTALLATION INSTRUCTIONS

ENGLISH

DESCRIPTION

ZLS0R-RC1 is a handheld, infrared (IR) remote control programming tool, for use with OSMHB-VDW, ZLS10-IDW, and ZLS10-ILW. Use the remote to configure occupancy sensor parameters. The remote can store up to four sensor configurations, which can be used to quickly configure other sensors with the same settings. The remote uses infrared communication to send and receive sensor settings at mounting heights of up to 50 feet. The remote must be pointed at the sensor that is being configured. Popular configurations can be saved as a Mode (up to 4 different modes can be stored within the remote), which simplifies projects where identical settings are desired across a large number of sensors.

Notes:

- Remote comes with a convenient carrying case.
- Remove batteries from compartment if remote will not be used in 30 days.

SPECIFICATIONS

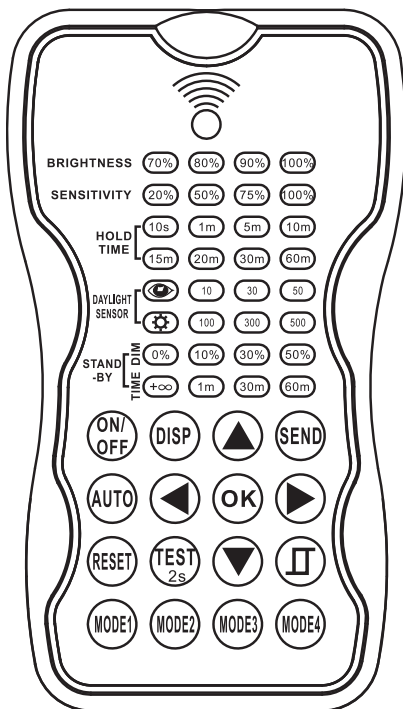
Power Supply	Two (2) AAA 1.5V batteries, Alkaline preferred
Transmission Range	Up to 50 ft. (15 m)
Operating Temperature	32°F to 122°F (0°C to 50°C)
Dimensions	4.84 x 2.76 x 0.8 in. (123 x 70 x 20.3 mm)

OPERATION

REMOTE LED INDICATORS

Button	Description
BRIGHTNESS (70%, 80%, 90%, 100%)	Displays the lighting output level during occupancy.
SENSITIVITY (20%, 50%, 75%, 100%)	Displays the occupancy sensor sensitivity / range (100% for maximum range).
HOLD TIME (10s, 1m, 5m, 10m, 15m, 20m, 30m, 60m)	Displays the amount of time that passes after the sensor will turn OFF (if Stand-By level is 0) or will dim to the Stand-By level, after the area becomes vacant.
DAYLIGHT SENSOR	Selects the current ambient Lux value as the daylight target level.
DAYLIGHT SENSOR	Disables the daylight sensor. Occupancy will turn luminaire ON, regardless of Ambient Light levels.
DAYLIGHT SENSOR	While daylight sensor is active, this displays the Lux level Setpoint (10, 30, or 50 Lux), where lighting turns ON automatically once the Ambient Light level falls to or below the selected Lux level.
DAYLIGHT SENSOR	While daylight sensor is active, this displays Lux level Setpoints (100, 300, or 500 Lux), where lighting turns OFF automatically once Ambient Light level reaches the selected Lux level (regardless of occupancy status).
STAND-BY DIM (0%, 10%, 30%, 50%)	Displays the lighting level output when area is vacant. Setting the Stand-By Dim level to 0% will turn lights fully OFF during vacancy.
STAND-BY TIME (+∞, 1m, 30m, 60m)	Displays the amount of time that the lighting will stay at the Stand-By Dim level. If +∞ is selected, the lighting will never turn all the way OFF, and will stay at the Stand-By Dim level until occupancy is detected.

DIAGRAM



BUTTON OPERATIONS

Button	Description
ON/OFF	Manually controls the ON/OFF for lighting and disables the sensor. Will stay at that setting permanently until the user selects the AUTO button, which returns sensor to its normal operation.
AUTO	Returns sensor to its programmed settings, if the ON/OFF button has been pressed for manual control of lighting.
DISPLAY	Displays the current setting parameters. LEDs will illuminate on the remote to display the current settings.
RESET	Returns all settings on the sensor to the original DIP switch settings.
TEST (2 SECONDS)	Tests the sensitivity level of the sensor and confirms the desired field-of-view range. When button is pressed, the sensor goes into Test Mode, where Hold Time is only 2 seconds long (Stand-By period and daylight sensor are disabled in this mode). Press AUTO to quit the Test Mode.
UP and DOWN	Navigate up and down on the remote to select / change parameters.
LEFT and RIGHT	Navigate left and right on the remote to select / change parameters.
OK	Confirms the parameters that are selected.
SEND	Uploads the current parameters in the remote to the sensor(s). The LED light, which is receiving the parameters, will turn ON/OFF to confirm that the upload was successful.
ON/OFF for Smart Daylight Sensor	Turns the Smart Daylight Sensor Function ON or OFF, in order to turn lighting ON or OFF automatically, according to Ambient Light target levels. Use UP or DOWN buttons to enter the Lux level (10, 30, or 50 Lux) parameters as the Setpoint to turn lights ON automatically, and/or select the daylight sensor Lux level (100, 300, or 500 Lux) as the Setpoint to turn lights OFF automatically, based on target Ambient Light levels.
MODES 1, 2, 3, 4	Four (4) Scene Modes, with preset parameters that can be changed and saved. Can be used for applications where multiple sensors need to be programmed with identical settings.

WEB VERSION

CONFIGURATION

Changing Sensor(s) Settings:

1. Press the **DISP** button. The LEDs on the ZLS0R-RC1 remote will show the current settings that can be uploaded to the sensor(s).
- NOTE:** If you press **ON/OFF** before, you must press **AUTO** to unlock sensor.
2. To make changes, press **UP** or **DOWN** to move through each setting. The LEDs on the remote control will flash as each category is selected. When ready to make changes, navigate to the desired setting by using the **UP**, **DOWN**, **LEFT**, and **RIGHT** buttons to select the new parameters.
3. Press **OK** to confirm and save the updated settings on the remote.
4. Next, aim the remote at the targeted sensor and press **SEND** to upload the new settings. The light fixture(s) connected to the sensor will switch ON/OFF as confirmation.

NOTES:

- Use **UP** and **DOWN** buttons to change the settings and to enter the new parameters.
- Press **DISP** to show current remote settings that can be uploaded to sensor(s).

Changing the Settings of Sensor(s) Using the Smart Photocell Feature:

1. Press the **DISP** button. The LEDs on the ZLS0R-RC1 remote will show the current settings that can be uploaded to the sensor(s).
2. Press **UP** or **DOWN** to move through each setting parameter. The parameter LEDs on the remote control will flash to be selected.
3. Press the **Ⓜ** button. Two LED indicators will flash in the daylight sensor settings. Select one of the daylight parameters (10, 30, or 50 Lux) to indicate which LUX level the lights will turn ON automatically, and then select one of the daylight parameters (100, 300, or 500 Lux) to indicate at which Lux level the lights will turn OFF automatically (regardless of occupancy status).
4. Press **OK** to confirm and save the updated settings.
5. Next, aim the remote at the targeted sensor and press **SEND** to upload the new settings. The light fixture(s) connected to the sensor will switch ON/OFF as confirmation.

NOTE: The **Ⓜ** button is disabled by default.

NOTES:

- Open or close the daylight sensor feature by pressing **Ⓜ** when the remote is in Configuration Mode.
- When the Smart Photocell is activated, the stand-by time is $+\infty$.
- Smart Photocell overrides the normal photocell action and works independently.
- See the Daylight Sensor Function for more details.

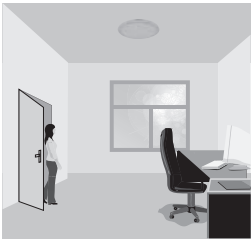
Daylight Sensor Function:

To open the daylight sensor, press **DISP** to show the current settings and then press the **Ⓜ** button.

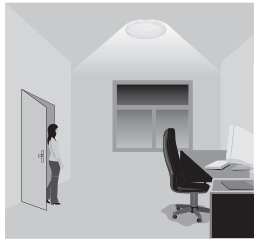
Settings in the following demonstration:

- Hold Time: 30 min.
- Daylight Setpoint to turn lights ON: 50 Lux
- Daylight Setpoint to turn lights OFF: 300 Lux
- Stand-By Dim: 10%
- Stand-by period: $+\infty$

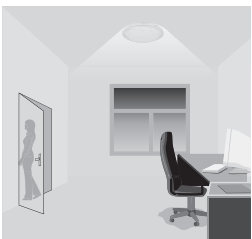
NOTE: When Smart Photocell is open, Stand-By period can only be $+\infty$.



With sufficient ambient light, the light(s) will not turn on, regardless of occupancy.



Without sufficient ambient light, the sensor switches the lights ON when occupancy is detected.



After occupancy is no longer detected and the Hold Time has expired, the lighting will dim to the Stand-By level if the Ambient Light level is below the daylight threshold Setpoint.



Lights will turn OFF automatically after the Stand-By period expires.

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FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC SUPPLIERS DECLARATION OF CONFORMITY (SDOC): Model ZLS0R-RC1 is manufactured by Leviton Manufacturing Co., Inc., 201 North Service Road, Melville, NY 11747. <http://www.leviton.com>. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IC STATEMENT:

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

LIMITED 2 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option. For details visit www.leviton.com or call 1-800-824-3005. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

Corridor Function:

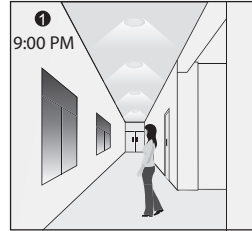
For corridor or hallway applications, the sensors can be programmed for tri-level control, in areas that require a light change notice before switching fully OFF. The sensor offers 3 levels of lighting functions:

- Dimming to OFF
- Selectable daylight threshold
- Two periods of selectable waiting time: Motion Hold Time and Stand-By Period

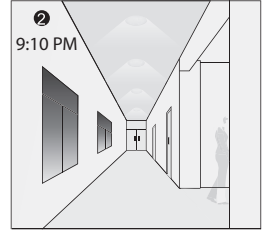
Corridor Function Vs. Daylight Sensor Function:

1. In the Corridor Function, in order for the lighting to turn ON, the Ambient Light level must be lower than the Daylight Setpoint level and occupancy must be detected in the space.
2. In the Corridor Function, the lights will turn OFF once the space becomes vacant and the Stand-By time has expired. When the Smart Daylight Sensor feature is active, the lights will only turn OFF if the Ambient Light level is higher than the Daylight Setpoint to turn lights OFF.

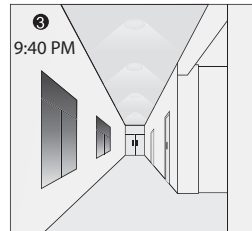
NOTE: When the Smart Daylight Sensor feature is used, the Ambient Light must be above/below the Daylight Setpoint level selected, for at least 1 minute, before the lights will turn ON/OFF automatically.



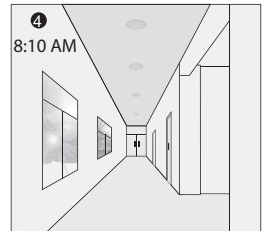
1. The light switches on at 100% when occupancy is detected.



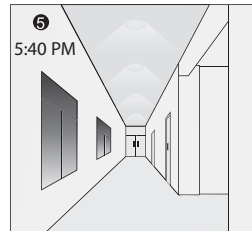
2. When occupancy is no longer detected and the Hold Time has expired, the light level dims to the Stand-By level.



3. The lighting remains at the Stand-By Dim level until occupancy is detected.



4. If/when the Ambient Light level exceeds the Daylight Setpoint to turn lights OFF, the lights will turn OFF, regardless of occupancy status.



5. When the Ambient Light level dips below the Daylight Setpoint, the lighting automatically turns ON to the Stand-By Dim level until occupancy is detected.

Using MODE 1, MODE 2, MODE 3, and/or MODE 4:

The ZLS0R Remote Control comes with 4 modes that have no default value, but can be set and saved with popular configuration settings (up to 4 settings).

Saving Settings into Modes:

1. Press either the **MODE 1**, **MODE 2**, **MODE 3**, or **MODE 4** button on the remote. The LEDs on the remote will show any existing settings for the chosen mode.
2. Use the **UP**, **DOWN**, **LEFT**, and **RIGHT** buttons to select the new desired settings.
3. Press **OK** to confirm and save the new settings in that mode.

Uploading Settings to Sensors:

The Upload Function transfers the configuration from the remote control to the sensor. The current setting parameters or the mode settings can be uploaded to the sensor.

1. Press **DISP** to show the current settings on the remote, or press one of the **MODE 1**, **MODE 2**, **MODE 3**, or **MODE 4** buttons.

NOTE: Settings are displayed in the LEDs on the remote, to confirm before uploading them to the sensor.

NOTE: Check that all the settings are correct. If not, change them prior to uploading to the sensor.

2. Aim the remote control at the sensor and press **SEND**. The luminaire(s) that the sensor is connected to will turn ON/OFF, and confirm that the uploaded settings were successfully received.

TIP: If other sensors need the same settings, aim the remote at the sensor and press **SEND** (repeat this until all sensors have been updated with the desired settings).

Reset:

To change all settings back to the Default settings (per DIP switches on the sensor), press **RESET**, while pointing at the appropriate sensor.

RF EXPOSURE AND CO-LOCATION: To comply with FCC OET Bulletin 65 and ISED RF exposure limits for general population / uncontrolled exposure this device should be installed and operated with a minimum distance of 7.9 inches (20 cm) between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at Leviton Manufacturing of Canada ULC to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9 or by telephone at 1 800 405-5320.

REVISION