

DAYLIGHT SENSORS

GRX-CES SERIES

Installation and Setup Instructions *Please Read*

GRX-CESI, GRX-CESA,

GRX-CESS Indoor

GRX-CESO Outdoor

DESCRIPTION

The GRX-CES daylight sensors allow for changes to be made to a Lutron Lighting system through a contact closure, using a GRX-LC8 Controller, based on the amount of daylight available outside. There are 3 types of indoor sensors available, and 1 outdoor sensor. Outdoor sensors are normally installed on the roof of a building.

MODELS AVAILABLE

Model #	Application	Detectable Light Range (foot-candles)	Mounting method
GRX-CESO	Outdoor (roof or wall)	0* to 250	1/2 inch (13 mm) conduit
GRX-CESI	Indoor (ceiling)	0* to 100	Attach with adhesive tape (included)
GRX-CESA	Indoor (atrium)	2* to 1000	1/2 inch (13 mm) conduit
GRX-CESS	Indoor (skylight)	10* to 2000	1/2 inch (13 mm) conduit

*Note: Minimum range corresponds to a setting below 1 on the LC8 Controller. Please see the instructions for the LC8 Controller for light levels corresponding to tick marks on the LC8 adjustment knobs.

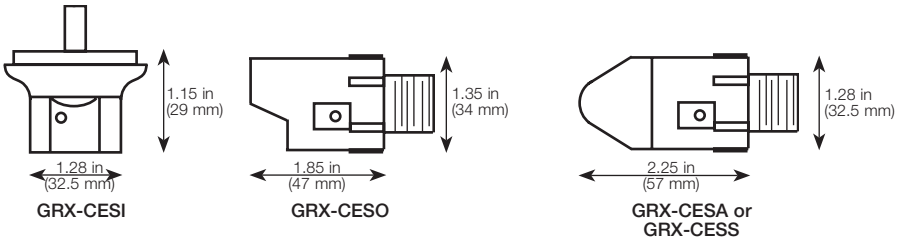
POWER

- Operating Voltage: 24 V_{DC} PELV (Class 2: USA).
- Operating Current: 40 mA nominal from 24 V_{DC} supply.
- Control Output: 0 – 10 V_{DC} signal representative of ambient light present (input to LC8 controller).

ENVIRONMENT

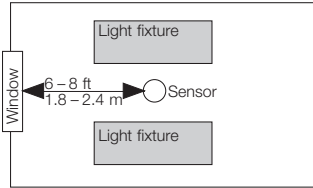
- Designed to operate from 52 – 140 °F (11 – 60 °C).
- All units are water-resistant and designed to withstand UV radiation.

DIMENSIONS

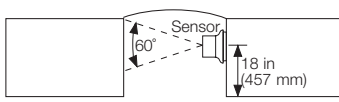


MOUNTING AND INSTALLATION

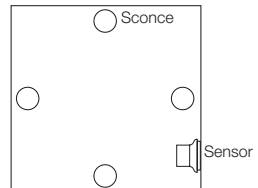
- GRX-CESI: Mount in 3/8 in (9.5 mm) hole using the adhesive backing (included).
Ceiling mount: 6 to 8 feet from window, centrally located.
Reflecting wall mount: Facing the reflecting wall, not in line with any indoor lighting.
Wall mount with sconces: Mount at same height as sconce, but not directly in line.
- GRX-CESO: Mount in standard 1/2 in (13 mm) conduit or knockout. Mount horizontally, facing north, with the hooded portion on top.
- GRX-CESA: Mount in standard 1/2 in (13 mm) conduit or knockout, opposite the atrium window.
- GRX-CESS: Mount in standard 1/2 in (13 mm) conduit or knockout, near the center of the skylight well, at least 12 in (305 mm) from the sides. Mount vertically, facing up, with top of sensor level with top of skylight curb.



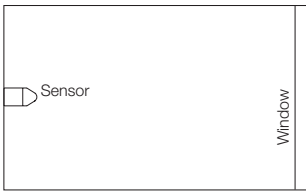
**Mounting GRX-CESI:
Ceiling Mount**



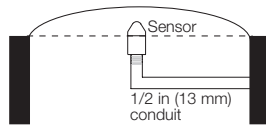
**Mounting GRX-CESI:
Reflecting Wall Mount**



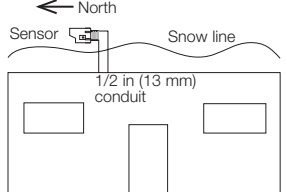
**Mounting GRX-CESI:
Sconce Wall Mount**



Mounting GRX-CESA

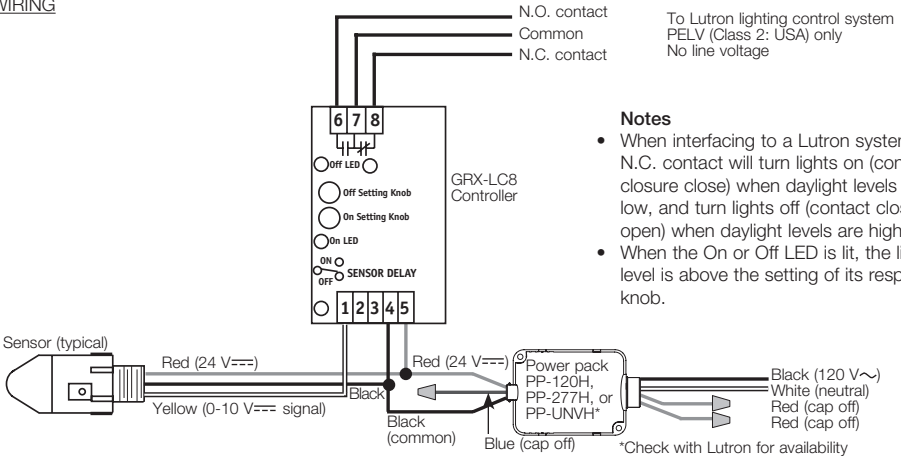


Mounting GRX-CESS



Mounting GRX-CESO

WIRING



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LIMITED WARRANTY

Lutron will, at its option, repair or replace any unit that is defective in materials or manufacture within one year after purchase. For warranty service, return unit to place of purchase or mail to Lutron at 7200 Suter Rd., Coopersburg, PA 18036-1299, postage pre-paid.

This warranty is in lieu of all other express warranties, and the implied warranty of merchantability is limited to one year from purchase. This warranty does not cover the cost of installation, removal or reinstallation, or damage resulting from misuse, abuse, or improper or incorrect repair, or damage from improper wiring or installation. This warranty does not cover incidental or consequential damages. Lutron's liability on any claim for damages arising out of or in connection with the manufacture, sale, installation, delivery, or use of the unit shall never exceed the purchase price of the unit.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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Lutron Electronics Co., Inc.
Made and printed in U.S.A.
P/N 031-289 Rev. A 08.04.09

