



Description

The Crestron® GLS-PART-CN is a partition sensor that is controlled by the Cresnet® network and designed for installation into a 1-gang electrical box or surface mounting. The GLS-PART-CN has a contact closure output (EXT) that allows for use in a non-system environment.

Additional Resources

Visit the product page on the Crestron website (www.crestron.com) for additional information and the latest firmware updates. Use a QR reader application on your mobile device to scan the QR image.



Installation

NOTE: Observe the following points:

- Install and use this product in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- Sensors must be mounted on a vibration-free surface.

NOTE: Before using the GLS-PART-CN, ensure the device is using the latest firmware. Check for the latest firmware for the GLS-PART-CN at www.crestron.com/firmware. Load the firmware onto the device using Crestron Toolbox™ software.

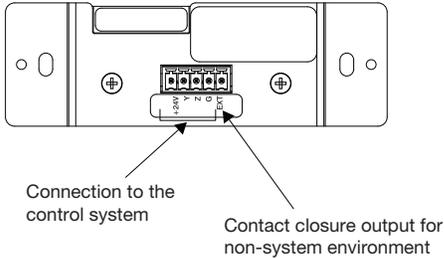
Preparing and Connecting Wires

When making connections, strip the ends of the wires approximately 7/16 in (11 mm). Use care to avoid nicking the conductors. Tighten the connector to 5 in-lb (0.5 to 0.6 Nm). The wire gauge should be 14 to 26 AWG.

Wiring the GLS-PART-CN

The 5-pin terminal block connects the GLS-PART-CN to the Cresnet network (24 Y Z G) and to a non-system device (EXT).

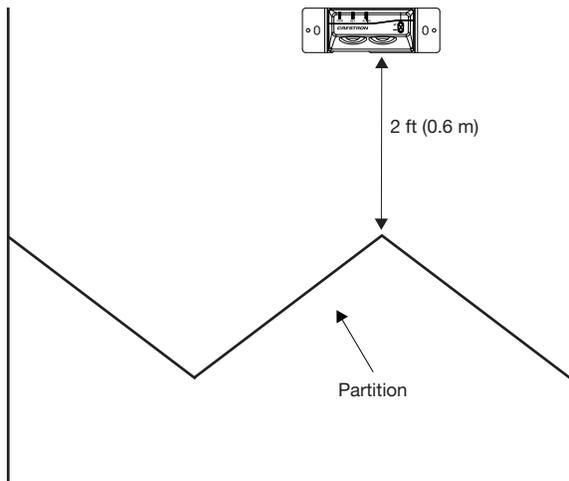
Wire the GLS-PART-CN



Mounting Location

Position the GLS-PART-CN 2 ft (0.6 m) away from the partition. The GLS-PART-CN sensors must face the partition so that when the partition opens, the sensor sees the unobstructed room.

Sensor Mounting Location (Bottom View)

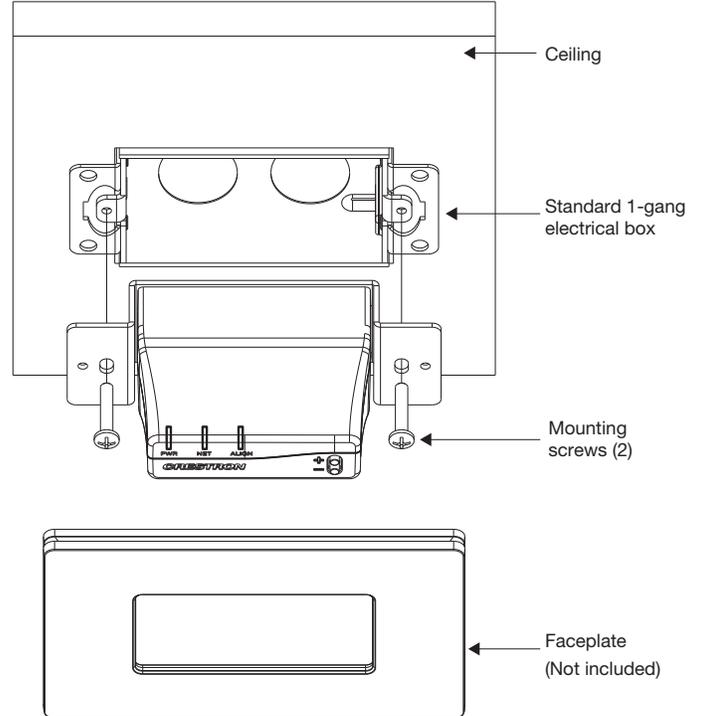


Ceiling Mount in 1-Gang Electrical Box

After the Cresnet network wiring has been installed and verified, use the following procedure to install the device in a standard 1-gang electrical box.

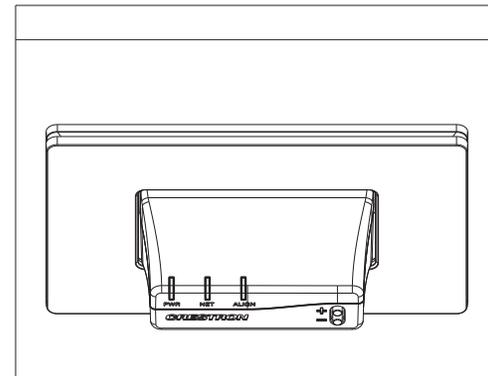
1. Holding the GLS-PART-CN with the sensors facing the area to be monitored, place the GLS-PART-CN into the electrical box.
2. Secure the GLS-PART-CN using the included screws.

Installing the GLS-PART-CN in a 1-Gang Electrical Box



3. Attach the desired decorator style faceplate (not supplied).

GLS-PART-CN Installed in a 1-Gang Electrical Box with Faceplate

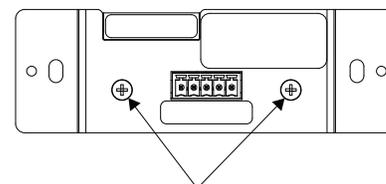


4. Turn the Cresnet system power on.

Surface Mount the GLS-PART-CN

After the Cresnet network wiring has been installed and verified, use the following procedure to surface mount the GLS-PART-CN.

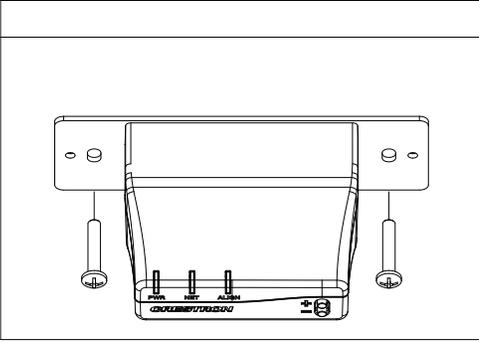
1. Remove the two screws from the back of the GLS-PART-CN and then remove the bracket. Retain the screws.



Remove these two screws in order to swap the mounting brackets. Reuse the screws for reassembly using the other mounting bracket.

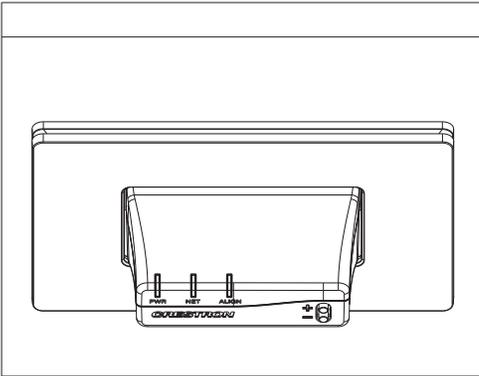
2. Install the flat bracket to the back of the GLS-PART-CN using the screws removed in step 1.
3. Holding the GLS-PART-CN with the sensors facing the area to be monitored, secure the GLS-PART-CN to the ceiling using the screws that are appropriate for the mounting surface.

Surface Mount the GLS-PART-CN



4. Attach the desired decorator style faceplate (not supplied).

GLS-PART-CN Installed on Surface with Faceplate



Configure the GLS-PART-CN

The GLS-PART-CN may not need configuration after installation; configuration is needed only if the device is not operating as intended. If the partition sensor detects a partition when there is no partition, or if the partition sensor does not detect a partition when there is a partition, use the + and - buttons on the GLS-PART-CN to calibrate the sensors so that the GLS-PART-CN properly detects the partition.

Operation

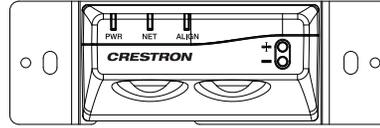
LED Functionality

The PWR, NET, and ALIGN LEDs perform the following functions:

- Green PWR LED illuminates to indicate that power is applied to the device.
- Yellow NET LED illuminates to indicate traffic on the Cresnet network.
- Red ALIGN LED illuminates to indicate that a partition is detected.

Non-System Mode

When the GLS-PART-CN is operating in a non-system environment, the sensor provides 24 V to the EXT port when a partition is detected. Otherwise, the pin is driven to ground.



As of the date of manufacture, the device has been tested and found to comply with specifications for CE marking.



Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following 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.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

Industry Canada (IC) Compliance Statement

CAN ICES-3(B)/NMB-3(B)

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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This document was written by the Technical Publications department at Crestron.

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Installation and Operation Guide - DOC. 7727B
(2043368)

12.16
Specifications subject to
change without notice.