

# GLS-PLS-120/277

## Power Loss Sensor, 3-Phase, 120 or 277 Volts

The GLS-PLS-120/277 is a 3-Phase Power Loss Sensor designed for use with Crestron Green Light? systems to activate Override mode during a power failure. In response to a signal from the GLS-PLS-120/277, the lighting system program can be temporarily overridden while designated emergency lighting circuits are changed to their override preset levels and unnecessary lighting and other devices are shut down to minimize the demand on emergency power equipment. The GLS-PLS-120/277 senses each leg of a 120 or 277 Volt 3-phase feed, providing LED indication of the status of each phase on its front panel. When power is lost on any phase, the corresponding status LED turns off and a contact closure is activated on each of two control outputs. Two isolated control outputs are provided to allow for interfacing with third-party equipment in addition to the Crestron lighting system. Each contact closure output is rated for 1A @ 24VDC. Testing the GLS-PLS-120/277 is facilitated using three Test Switches located behind a small cover plate on the front of the unit. Setting any switch to the TEST position simulates a loss of power on the corresponding phase leg, providing a test of the unit's internal circuitry and any connected equipment.

The steel enclosure is designed for mounting to a vertical surface. Conduit knockouts are provided on the bottom, top, and both sides. All electrical connections are made via screw terminals accessed by removing the front panel.

### SPECIFICATIONS

#### Input Voltages

277V Voltage Range: 235 to 305 Volts AC, 50/60 Hz

120V Voltage Range: 102 to 132 Volts AC, 50/60 Hz

#### Connections

Ground: (1) #6-32 Ground stud

PHASE A: (2) captive screw terminals;

Main feed Phase A sensing input, 277 or 120 Volts;



PHASE B: (2) captive screw terminals;

Main feed Phase B sensing input, 277 or 120 Volts;

PHASE C: (2) captive screw terminals;

Main feed Phase C sensing input, 277 or 120 Volts;

N: (1) captive screw terminal, main feed neutral;

OUTPUT 1 - 2: (2) sets of (2) captive screw terminals comprising (2) Form 'A' contact closures, electrically isolated;

Both outputs close when main feed power is removed from any

phase sensing input;

Contact Closure Rating: 1 Amp @ 24 Volts DC;

#### Indicators & Controls

NORMAL A - C: (3) Green LEDs, each illuminates when corresponding test switch is set to NORMAL and power is present at corresponding phase sensing input

TEST A - C: (3) Red LEDs, each illuminates when corresponding test switch is set to TEST and power is present at corresponding phase sensing input

Test Switches: (3) Slide switches behind cover plate, used to set each corresponding phase sensing input to TEST mode

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### Enclosure

Galvanized steel with polycarbonate label overlay; surface mount with integral mounting flanges top and bottom; 3/4" & 1/2" conduit knockouts top, bottom, and both sides

### Environmental

Temperature: 32° to 104°F (0° to 40°C)  
Humidity: 0% to 95% RH (non-condensing)  
Heat Dissipation: 51 BTU/Hr

### Dimensions

Height: 12.69 in (32.23 cm)  
Width: 5.19 in (12.75 cm)  
Depth: 2.82 in (7.14 cm)

### Weight

3.7 lb (1.7 kg)

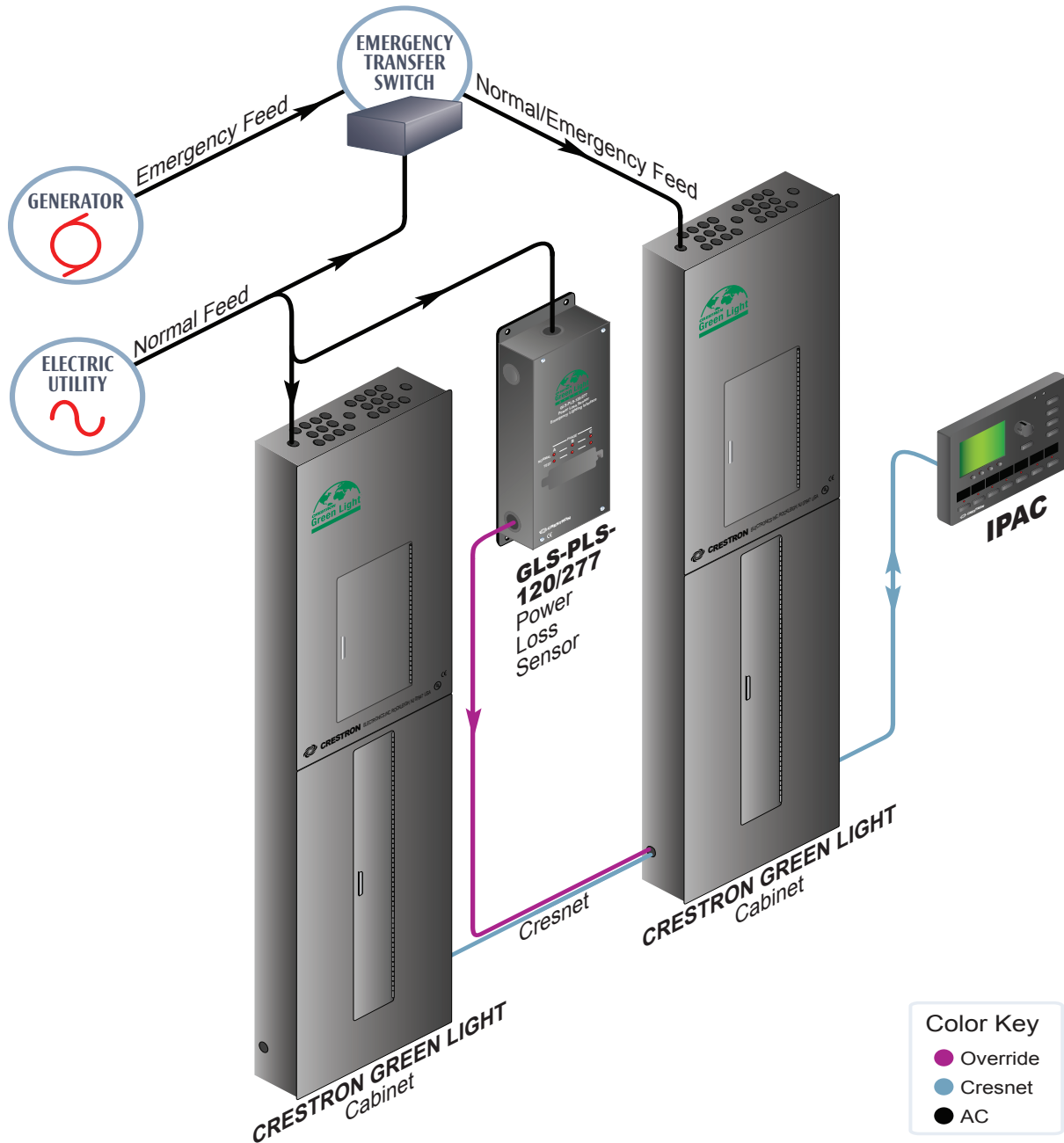
### **ACCESSORIES**

GLS-SIM:

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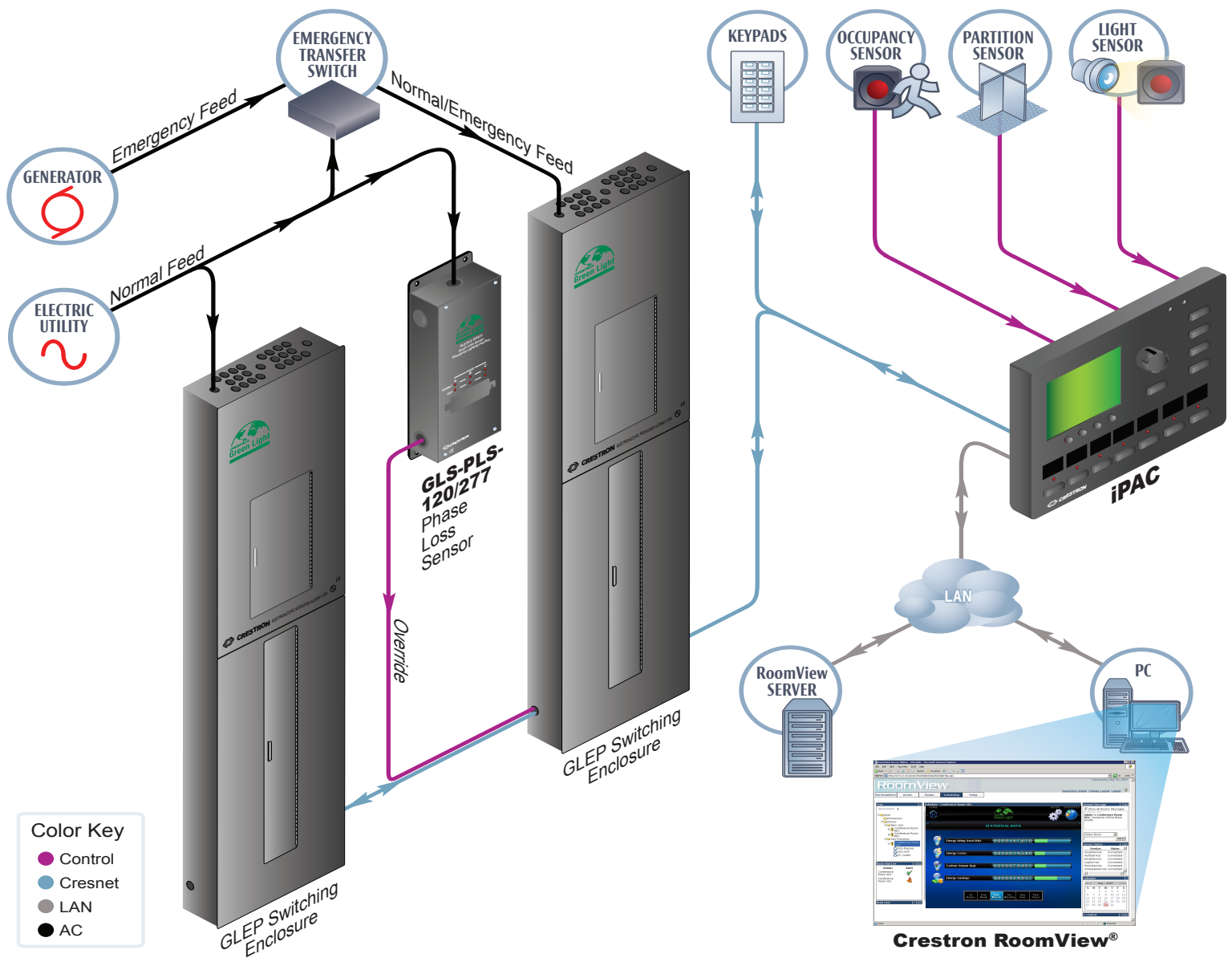
## GLS-PLS-120/277 Application Example



# GLS-PLS-120/277

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## GLS-PLS-120/277 Phase Loss Sensor Application



# GLS-PLS-120/277

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