

Project		Catalog #		Type	
Prepared by		Notes		Date	



## Greengate

### EXPS-24V – External Power Supply

The External Power Supply is a system accessory for the Greengate Lighting Control System. It is used to power user interfaces and other accessories when additional power is needed.

#### Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing

#### Interactive Menu

- Order Information [page 2](#)
- Additional Resources [page 2](#)
- Wiring Diagrams [page 3](#)
- Product Warranty

#### Top Product Features

- Universal AC Input
- 24 VDC Output
- Short Circuit/Overload/Over Voltage/Over Temperature Protection Circuits
- Built-in constant current limiting circuit
- Active Power Factor Correction
- Class 2 Power Supply
- Convection Cooled

## Ordering Information

This is an accessory for Greengate Lighting Control Systems. It is not an integral part of the system. There is no factory assembly needed.

Catalog Number

Catalog Number	Description
EXPS-24V	External Power Supply

## Product Specifications

### Mechanical

**Size:** 5.7"H x 1.8"W x 1.2"D (145mm x 47mm 30mm)

### Environment:

- **Operating temperature:** -22°F to +122°F (-30° to +50°C)
- **Storage temperature:** -40°F to 176°F (-40 to 80°C)
- **Relative humidity operating:** 20 to 90%, non-condensing

### Electrical

**Voltage:** 24V

### Electrical ratings (per relay):

- 24V 2150mA Output

### Input Requirements:

- Input Range: Universal AC Input Range (90-264 VAC)
- Input Frequency: 47-63 Hz
- Inrush Current: 40A Max @ 230 VAC (cold start)
- Input Current: 400mA max @ 115 VAC/200mA max@ 230 VAC (continuous)

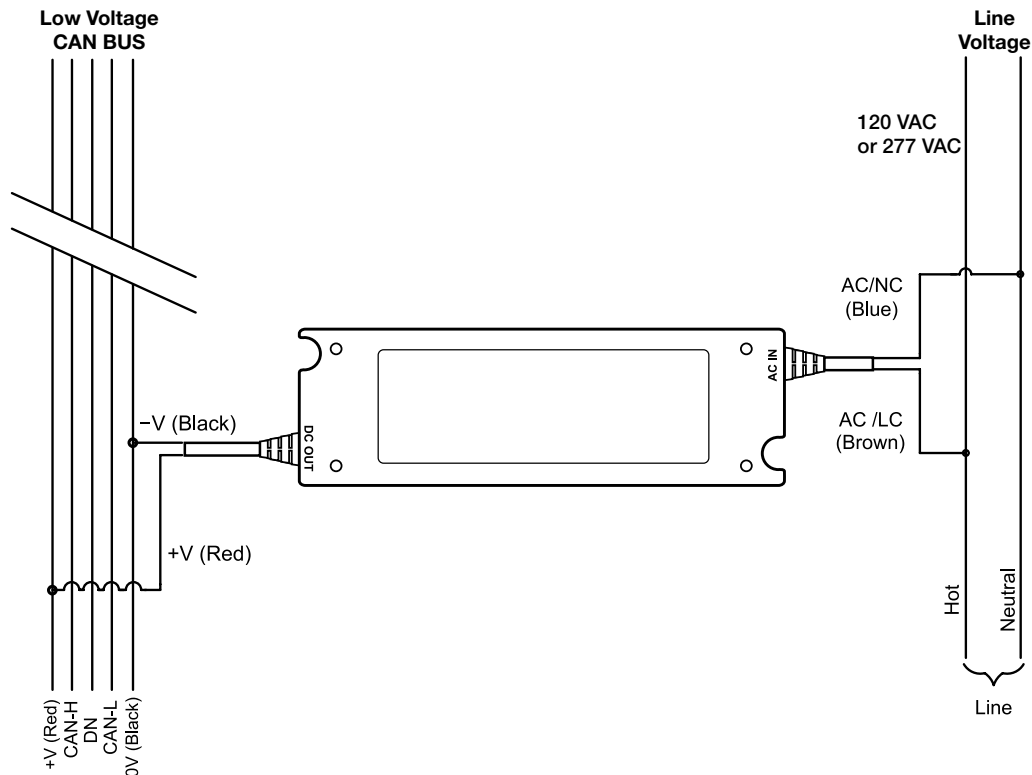
### Mounting:

- IP64 Plastic Enclosure
- 0.49 lbs

### Warranty

Consult website for warranty information

## Wiring Diagrams



## Sample One-Line

The External Power Supply is a system accessory for the Greengate Lighting Control System. It is used to power user interfaces and other accessories when additional power is needed. The EXPS-24V will provide an isolated 24 VDC to power an additional 24 Greengate Digital Switch station beyond what the panel can power on its own (see panel installation instructions). The EXPS-24V requires a constant 120 VAC power connection.

