Project		Catalog #		Type	
Prepared by		Notes		Date	

medium panel

large panel

large panel
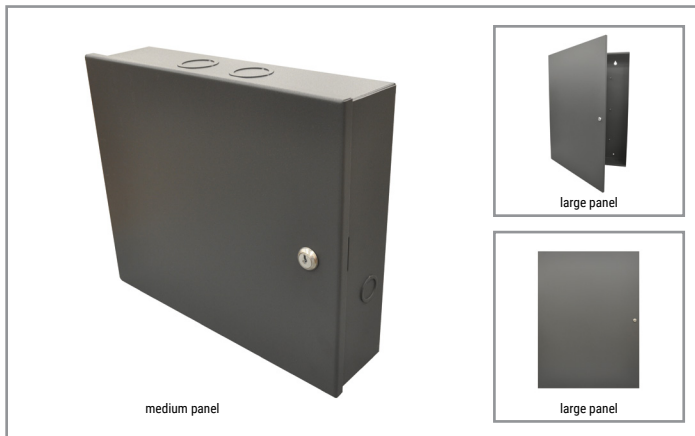
Cooper Lighting Solutions
## Germicidal UV (GUV) Control Panel

Control Panel for GUV Control System

Typical Applications
Office • Education • Healthcare • Restaurant

Interactive Menu

- Order Information page 2
- Additional Resources page 3
- GUV Education page 3
- Product Warranty

Product Certification

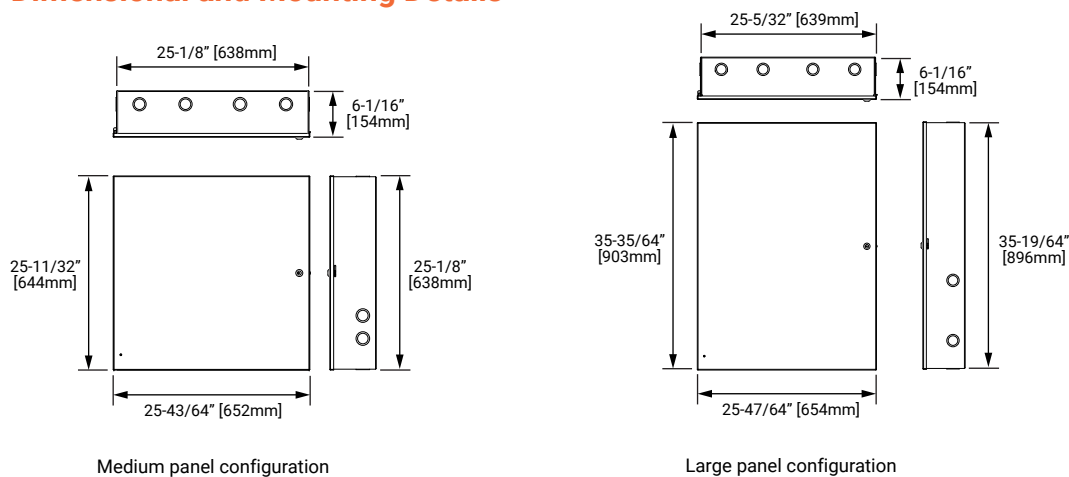CERTIFIED SAFETY
Germicidal UV System

c UL us
UL508a Enclosure

Product Features

GERMICIDAL UV
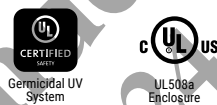
Top Product Features

- **GUV Control Panel –** A control panel that manages the GUV Control System based on inputs received from the GUV Clearance Pushbuttons and GUV Magnetic Access Sensors installed at each door/window.
- **UL8802 Safety Certified GUV System –** Designed to meet UL8802 standards for safer disinfection than systems without an equivalent control system in place.
- **Timer –** Configure the activation time for the space disinfection. The timer is contained within the GUV Control Panel and is factory set at 15 minutes. Time should be adjusted according to submittal documents specific to the application.
- **Inputs –** Connect up to 24 GUV Clearance Pushbuttons to the GUV Control Panel.

Dimensional and Mounting Details

25-1/8" [638mm]

6-1/16" [154mm]

25-11/32" [644mm]

25-1/8" [638mm]

25-43/64" [652mm]

Medium panel configuration

25-5/32" [639mm]

6-1/16" [154mm]

35-35/64" [903mm]

35-19/64" [896mm]

25-47/64" [654mm]

Large panel configuration

Discontinued 20-01-2024

COOPER Lighting Solutions

Order Information

Catalog Number

Catalog Number	Description
GUV-16-120-277	Medium - GUV Control Panel with 16 Pushbutton Inputs
GUV-24-120-277	Large - GUV Control Panel with 24 Pushbutton Inputs

Required Accessories

Catalog Number

Catalog Number	Description
GUV-PB-1	GUV Clearance Pushbutton
GUV-MAG-SENSOR-1	GUV Magnetic Access Sensor
GUV-USER-1	GUV User Station

Product Specifications

Key Features

- UL8802 Listed for safety certified control systems controlling UVC fixtures
- Wire in up to 24 GUV Clearance Pushbuttons into the GUV Control Panel
- 3 pole contactor, 20A per pole
- Adjustable timer to have the system timeout automatically; maximum 6 hours
- 120-277 VAC power input
- Push to test, UL Listed relays
- Compact Circuit Protector
- DIN rail mounted components

Mechanical

Enclosure: NEMA 1, Surface Mount, lockable, Size: See Dimensions

Enclosure Size:
- Medium: 25.67" W X 25.34" H X 6.06" D (652mm x 643.6mm x 153.9mm)
- Large: 25.73" W X 35.54" H X 6.07" D (653.5mm x 902.7mm x 154.2mm)

Weight:
- Medium: 33lbs (15 kg)
- Large: 59lbs (26.7 kg)

Environment:
- Operating temperature: 35°F to 122°F (+2° C to +50° C)
- Max Storage temperature: 140°F (+60° C)
- Relative humidity operating: +5 to 95% non-condensing
- For indoor use only

Electrical

Supply: 120-277VAC ± 10% 50/60Hz, 5A Max

Maximum Load: 120-277VAC 16A

Protection Internal: 14,000 SCCR

Local inputs (pushbuttons or other accessories): Use 18 AWG wire for Class 2 connections

Maximum Distance: 1000 feet for low voltage homerun

Standards/Ratings

- UL8802 Safety Certified GUV System – Designed to meet UL8802 standards for safer disinfection than systems without an equivalent control system in place
- UL508a Enclosure

**Environmental Regulations:**
- NEMA 1 Type 1

Warranty

Five year standard limited warranty

Overview of the complete GUV Control System

The UL8802 Safety Certified GUV Control System is composed of one GUV Control Panel, one GUV User Station, GUV Clearance Pushbuttons and GUV Magnetic Access Sensors.

- **The GUV Control System –** Meets UL safeguard requirements as per UL8802. The safeguards ensure that the GUV Control system can be turned on and remains on if all safeguards are met. In the event someone enters the space, the system will automatically turn off and will not restart until the safeguards are met again and the user turns the system back on.

- **GUV Control Panel –** A control panel that manages the GUV Control System based on inputs received from the GUV Clearance Pushbuttons, GUV Magnetic Access Sensors installed at each door/windows and the GUV User Station installed outside the cleaning area. The GUV Control Panel includes a timer that allows the certified installer to configure the maximum activation time for the space disinfection.

- **GUV User Station with LED Indicators –** Contains the Off/On selector switch and a system activate keyed switch. The selector switch provides power to the GUV Clearance Pushbuttons while the keyed switch turns the GUV fixtures On. The LED indicators notifies the operator that:
  - START: Power has been supplied
  - READY: All safeguards are met
  - GO: The system is actively running

- **GUV Magnetic Access Sensors –** The GUV Magnetic Access Sensors are to be installed at the entrances and windows of the enclosed spaces. These sensors act as the primary safeguard within the GUV Control System. All doors/windows need to be closed for the GUV operator to activate the GUV Control System. Opening a door or window will stop the GUV session.

- **GUV Clearance Pushbuttons –** Clearance Pushbuttons are used to verify that no one is within the space prior to the GUV session. The GUV Clearance Pushbutton acts as the secondary safeguard. All GUV Clearance Pushbuttons installed within the space need to be pressed for the GUV operator to activate the GUV Control System. Inactivating a GUV Clearance Pushbutton during the GUV session will turn off the GUV Control System.

System Topology
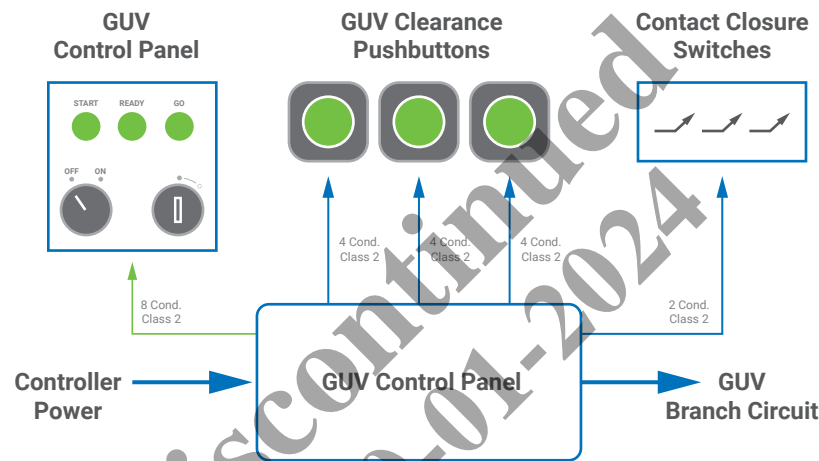
GUV Education

- GUV (germicidal ultraviolet) is a proven and effective disinfection technology.
- GUV refers to short-wavelength ultraviolet "light" outside of the visible spectrum that is proven to kill bacteria and inactivate viruses...FAST! These short wavelengths in the photobiological UV spectral band known as "UV-C" are centered at 254nm, which is the optimal source wavelength for eliminating pathogens.
- GUV is an excellent surface and air disinfectant due to its quick germicidal efficacy.
- Germicidal effectiveness is determined by the exposure dose irradiance (how much) and time (how long).
- GUV can pose a safety and health hazard to the eyes and skin if the product is improperly used or installed.
- Follow recommended practices for utilization and control of GUV fixtures.
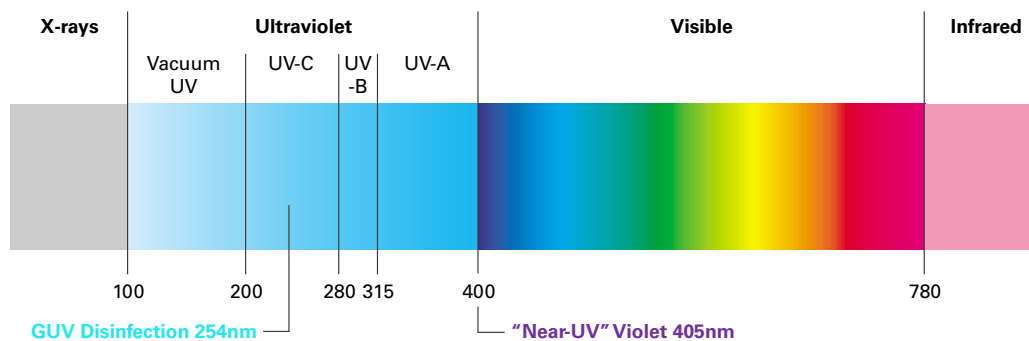
For more information on Fail-Safe GUV Disinfecting Solutions, please visit www.cooperlighting.com/GUV

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

© 2020 Cooper Lighting Solutions
All Rights Reserved.

Specifications and dimensions
subject to change without notice.

PS503247EN **page 3**

August 2020