

CO / CO₂ / NO₂ / OR VOC MONITOR
VEHICLE EXHAUST GAS DETECTOR

MODEL GVU-6
MODEL GVU-12
MODEL GVU-18

TYPICAL INSTALLATIONS:

Parking Garages
Apartments
Condominiums
Office Buildings
Bus Garages
Fire Stations

Warehouses
Welding Shops
Car Dealers
Police Stations
Post Offices
Ice Arenas

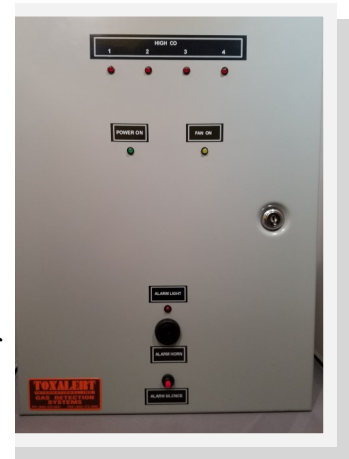
Vehicle Maintenance & Storage
Highway Departments
Utilities
Public Works
Tunnels

GENERAL DESCRIPTION:

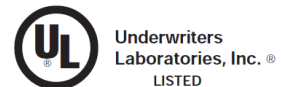
The GVU 6,12 and 18 ventilation control systems combine toxic gas-based and time-based fan control modes in all a solid-state, low maintenance, cost effective product.

- The **GVU-6** series controller can monitor up to six (6) GVU-CO sensors; six (6) GVU-CO₂ sensors, six (6) GVU-NO₂ sensors, six (6) GVU-VOC sensors; or any combination of these. The GVU-6 Controller consists of the power supply, solid state clocks, time delays, fan control, terminal strips, and power on indicator.
- The **GVU-12** series controller can monitor up to twelve (12) GVU-CO sensors; twelve (12) GVU-CO₂ sensors; twelve (12) GVU-NO₂ sensors; twelve (12) GVU-VOC sensors; or any combination of these. The GVU-12 Controller consists of the power supply, solid state clocks, time delays, fan control, terminal strips, and power on indicator.
- The **GVU-18** series controller can monitor up to eighteen (18) GVU-CO sensors; eighteen (18) GVU-CO₂ sensors; eighteen (18) GVU-NO₂ sensors; eighteen (18) GVU-VOC sensors; or any combination of these. The GVU-18 Controller consists of the power supply, solid state clocks, time delays, fan control, terminal strips, and power on indicator.

The **GVU-CO Sensor** is microprocessor based and is temperature and humidity compensated for stability. The GVU-CO sensor range is 0 to 250 ppm. The transducer utilizes a tin oxide sensing element that is cleaned and sampled by the microprocessor. The GVU-CO indicates its status via a two color LED. When the LED is flashing green, operation is normal, and not in alarm. When the LED is flashing red, the unit is in alarm (high CO); a continuous red or green indicates sensor failure; and LED extinguished indicates power failure.



GVU-6



See separate specification data sheet for information regarding GVU-CO₂ carbon dioxide sensors, GVU-NO₂ nitrogen dioxide sensor and GVU-VOC smoke/air quality sensor and refer to last page for ordering information.

STANDARD FEATURES:

- Fully electronic for long life
- User adjustable alarm setting
- Minimum fan run time
- User adjustable 2nd stage activation
- Trouble Free Operation
- Visual indication of high gas concentration
- Operating range meets OSHA std. 1910.1000

VENTILATION CONTROL

Should a high gas concentration occur (above user-adjustable alarm level), an alarm signal from any sensor unit starts a 30 second delay. Should the concentration persist through the delay period, the “alarm” clock is activated. The “fan on” time is user-adjustable in discrete settings from 5 to 55 minutes. Upon activation of the “alarm” clock, the “fan-on” relay energizes and remains energized until the “alarm clock” times out. Should the high concentration still be above the alarm level, the “fan-on” relay will remain ON and the “alarm” relay will energize. This condition is maintained until the high concentration drops.

OPTIONS:

- Audible alarm w/ push button audio silence
- Fan on Indicator
- Fan override switch
- Sensor status indicators per sensor
- Second zone of fan control
- 7-day time clock

SPECIFICATIONS

Input Power: 120VAC, 60Hz, 1 A (fused)

Relay Contacts: 5 AMP, 120 VAC

Minimum Fan On Time: Adjustable in 5 minute Intervals up to 55 Min

Finish: Control Unit: Gray enamel

Enclosure: Nema 1 standard, others available

Dimensions:

GVU-6 16”H x 12” W x 6” D
(406 mm x 305 mm x 152.4 mm)

GVU-12 20”H x 16” W x 6” D
(508 mm x 406 mm x 152.4 mm)

GVU-18 20” H x 20” W x 6” D
(508 mm x 508 mm x 152.4 mm)

GVU SERIES PRODUCTS

CONTROLLERS:

GVU-1 Control unit for use with one sensor
GVU-3 Control unit for use with one to three remote sensors
GVU-6 Control unit for use with one to six remote sensors
GVU-12 Control unit for use with one to twelve remote sensors
GVU-18 Control unit for use with one to eighteen remote sensors

REMOTE SENSORS:

GVU-CO Remote carbon monoxide sensor
GVU-CO₂ Remote carbon dioxide sensor
GVU-NO₂ Remote nitrogen dioxide sensor
GVU-VOC Remote smoke/air quality sensor

ANNUAL CALIBRATION CHECK IS RECOMMENDED