

GASGUARDIAN RD

REMOTE DISPLAY



Key Features

- Remote readout displays data sent from GasGuardian-6 controller
- Silenceable onboard buzzer provides audible alarm indication
- Continuous real-time sensor readings and alarm indicators
- Mirrors the display on the GasGuardian-6 controller
- MODBUS RTU protocol on RS-485
- Daisy-chain several together for multiple locations
- Powered by 24VDC from GasGuardian-6 controller
- Watertight enclosure designed for washdown areas and outdoors
- Can be installed up to 1,000' from GasGuardian-6 controller

The remote display solution for your GasGuardian gas detection system.

The GasGuardian RD (GG-RD) is a remote display slave module designed to accept data from the GasGuardian 6 (GG-6) master controller. The GG-RD provides continuous real-time monitoring of each sensor via Modbus RTU protocol on RS-485 mirroring the GG-6 controller display.

The backlit LCD display provides an at-a-glance status of gas concentrations and alarms. An 80 dB buzzer on the front panel provides audible indication of any programmed event. Once the Modbus address is set, there are no user configurable settings on the GG-RD, as all other settings are configured on the GG-6 master controller.

The GG-RD is assembled into a wall mounted enclosure designed for non-classified locations, and can be installed outdoors and in washdown areas. The NEMA 4X fiberglass enclosure will stand up to corrosive washdown, temperature swings, and other harsh environments encountered in the food industry.

Applications

- Guard Shacks
- Maintenance and Refrigeration Offices
- Mechanical Room Entrances
- Anywhere a Remote Display is Needed

Benefits

- Economical



When only one GG-RD is installed, the model required is the **GG-RD1**. When two or more are being daisy-chained, one **GG-RD1** is still required, but all other remote displays will need to be model **GG-RD2**. Think of the **GG-RD1** as the end-of-line termination unit, with up to sixty **GG-RD2** remote displays in between it and the GG-6 master controller.

The GG-RD series readouts utilize a user-friendly LCD operator interface for all readout and alarm information. The backlit LCD displays real-time status of gas sensor concentrations.

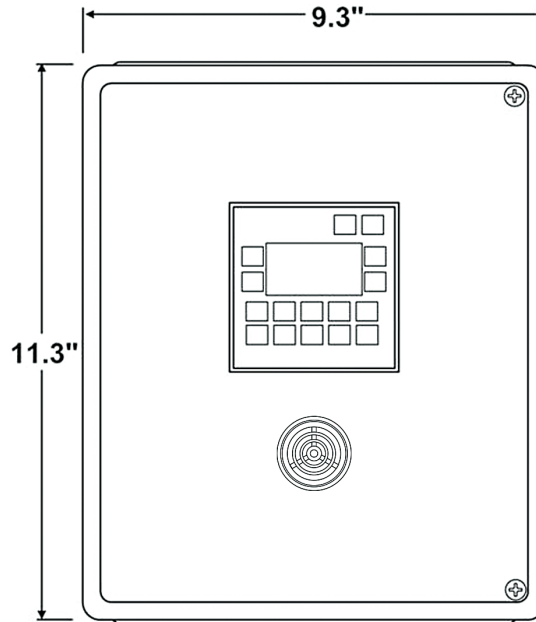
All wiring is safely enclosed inside and easily accessed from the hinged lid. All human interfacing is performed via the waterproof membrane keys on the outside, for non-intrusive operation.

The GG-RD is compatible with GG-6 controllers version 4.00 and higher. Older version GG-6 controllers can be field-upgraded. Contact Calibration Technologies for details.

Ordering Information

The **GasGuardian-RD** is delivered ready to install. Use the model numbers below to order.

Order #: **GG-RD1**
GG-RD2 (for applications using more than 1 remote display)



SPECIFICATIONS

Due to ongoing research and product improvement, specifications are subject to change

Input Power Requirements:

24 VDC, 0.25A (21 Vdc to 27 Vdc)

Dimensions:

11.3" high x 9.3" wide x 7" deep

Weight:

5 lbs

Enclosure:

Fiberglass Reinforced Polyester NEMA 4X, IP 66, with neoprene gasket. Continuous stainless steel hinge. Captive screws in lid. For non-classified areas

Temperature Range:

0°F to +122°F (-18°C to +50°C)

Humidity Range:

0-95% RH condensing (100% intermittent), with proper conduit seals

Buzzer:

80 dB, with volume attenuator shutter. Silenceable from keypad on front panel

Terminal Block Plugs (Field Wiring):

12-26 AWG, torque 4 lbs-in

User Interface:

LCD, backlit, graphics display
 8 lines x 22 characters
 Sealed membrane switches, alpha-numeric keys
 Non-volatile memory

Real-Time Status Display: Displays gas concentrations and any current alarm conditions

Power Wiring: (from GG-6)

Use 18/2 stranded cable for distances up to 1,000'

Communication Wiring: (from GG-6)

Use Cat5 shielded twisted pair (STP) or foiled twisted pair (FTP) low capacitance cable for distances up to 1,000'.

Distances up to 4,000' can be achieved using RS-485 compliant cable.

Warranty:

2 years