

GMA 80A Series

Compact Controller for all Transmitters



- Wall mounting enclosure
- State-of-the-art microprocessor technology
- Flexible, for all measuring tasks
- For 1 to 4 transmitters
- Can be reconfigured at a later stage
- Built-in alarm light and horn

Controller for remote sensors

The GMA 80A Series is a universal controller that delivers accurate readings of remote sensors for any single explosive, toxic, or oxygen gas or vapor. The design of the GMA 80A makes it an economical choice for applications that require compact, continuous, and reliable monitoring.

Maximum control

The GMA 81A controllers will accept the signal from any one transmitter and the GMA 84A can control and monitor up to four GfG sensors of the same type. The three digit LED displays the transmitter readings; status LED's verify operation, indicate alarm points, and indicate sensor faults. Additionally, if an alarm point or sensor fault occurs, the case mounted alarm horn and light will warn of the condition and activate or deactivate the onboard relays.

Flexible and adaptable

Once programmed for the gas to be monitored, the controller can be flexibly adapted to its application. Three alarm points, which can be easily adjusted in the field, and one fault alarm will trigger voltage free contacts to activate or deactivate external devices like fans, horns, auto dialers, etc. The GMA 81A is equipped with a linear 4-20 mA output for easy connection to recorders, meters or PLC's. Menu driven zero-point adjustment and calibration are easily performed through the keypad to make maintenance and calibration simple.



Technical Data

GMA 80 series

Power (standard)

120 V AC / 60 Hz
230 V AC / 50 Hz (optional)

Power consumption

Maximum 30 watts

Number of channels

One (GMA 81A)
Four (GMA 84A)

Display

3 digit numeric LED
Power, alarm points, and fault LED's

Alarms

Three user adjustable latching or non-latching alarm points
Visual LED lights and display, case mounted alarm horn and light

Relays (voltage free)

3 alarm points, 1 fault
Voltage: 250 V AC 50 / 60 Hz or 250 V DC maximum
Current: 4 A AC / DC maximum

Transmitter connection

2 or 3 shielded conductor wire
Voltage output: 18 to 24 V DC
Signal input: 4 to 20 mA or 0.2 to 1 mA
Output signal (GMA 81A)
Linear 4 to 20 mA

Dimensions

GMA 81A
5.3x8.5x3.75 inches (135x217x95 mm) (WxHxD)
GMA 84A
10x10x4.8 inches (256x254x123 mm) (WxHxD)

Operating temperature

+14 to +131 °F (-14 to +55 °C)

Humidity

0 to 99% RH

Housing

Wall mounted ABS plastic
IP 54 (NEMA 4) dust and splashed water protection

Specifications subject to change without notification

Distributed by:



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