GMA 81 / GMA 84
Compact controller for all transmitters

Easy wall mounting

Compact controller

Flexible, for all measurement tasks

For 1 to 4 transmitters

Can also be configured at a later stage

Worldwide Supplier of Safety Solutions
Fixed systems gas warning for wall mounting

The GMA 81 is a single channel system, for measuring and monitoring of one detection point. The GMA 84 can operate 4 transmitters simultaneously and offers a low cost solution for several detection points.

**Easy wall mounting**
The GMA 81/GMA 84 with its robust casings can easily be mounted on a wall. The small dimension makes space-saving mounting possible.

**Alarm thresholds**
Both systems provide three threshold value alarms. For every one of these alarms, threshold values and functions can be individually programmed. The adjustable alarm delay avoids the occurrence of a false alarm. The threshold values can be freely adjusted within the detection range. Every threshold value can be selected to be latching/non-latching, resettable/non-resettable. All adjustments can also be done at a later stage to adapt the controller to changing requirements.

The GMA 81 and the GMA 84 store minimum and peak values and therefore, after an alarm the exact danger can be determined.

**Quick reaction means increased safety**
Every controller provides 4 voltage-free relays for the three alarms and the fault warning. The relay may be used to control external alarm devices like lamps or horns. They even can introduce specific counter measures to prevent or limit dangers from gases or vapors.

The GMA 81 A/GMA 84 A already have an integrated visible and audible alarm. On the top of the unit a brightly flashing, clearly visible lamp indicates an alarm. Furthermore an alarm horn is integrated in the unit. This saves considerable space and also reduces installation work. Additionally, there are 4 relays existing for the connection of external alarm devices.

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**GMA 81/84**

**Gases**
Depending on transmitters: combustible/ explosive, toxic gases and vapors, oxygen

**Detection range**
Depending on requirements: % LEL, Vol %, ppm, mg/m³

**Temperature range**
-20 to +50 ºC (-4 to +131ºF)

**Power supply**
24 V DC, 230 V

**Power consumption**
Max. 4 W, normal 2 W

**Input signal**
0,2 .. 1 mA / 4 .. 20 mA

**Output signal**
Linear Signal 4 .. 20 mA (GMA 81)

**Casing**
130 x 185 x 95 mm (WxHxD)
Protection: IP 54

**Calibration**
Automatic zeroing, calibration with data logging

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**Technical Data**

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**Alarms**
3 alarm thresholds, freely adjustable within the detection range

**Alarm functions**
Exceeding / falling short, latching / non-latching, resettable / non-resettable, hysteresis adjustable, delay-time 0 .. 2 minutes, alarm thresholds completely adjustable, alarm allocation by GMA 84

**Relay Outputs**
4 voltage-free relays for alarm and fault, normally closed contact (NC), normally open contact (NO), change-over contacts. Load: 1000 VA, 5 A

**Display**
3-digit LED display for linear measurement values, Service
1 LED green - operational status
1 LED yellow - fault
3 LED’s red - alarm display of maximum / minimum values

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**Function keys**
4 different keys for all functions, like alarm thresholds, calibration, function test and relay test

**Function test**
PFG No. 41300600

**Models**
GMA 81
1 channel

GMA 81 A
1 channel incl. alarm lamp and horn

GMA 84
4 channels

GMA 84 A
4 channels, incl. alarm lamp and horn

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