

# GMA 4100-DP

## *Dew Point Control Panel*



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## **Dew Point Monitor**

- Dew point value readings on a 3-digit display
- Menu display
- 3 adjustable alarm thresholds (alarms must be +1 or higher)
- Peak value memory
- Adjustable relay functions: NC or NO contact
- Alarm hystereses prevents “flickering” of relays
- 4 – 20 mA analog output signal

**GfG Instrumentation**

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# GMA 4100-DP Control Panel

The GMA 4100-DP continuously provides information on the measured dew point level, exceeded alarm thresholds and its operational status. As soon as the dew point exceeds one of the three pre-set levels, the GMA 4100-DP gives a warning by means of the LED display, the console mounted horn/strobe, and controls the relevant alarm relays. In addition to this, the GMA 4100-DP provides the measurement value as an analog output signal for further evaluation. The GMA 4100-DP is easy to operate and maintenance-free. The dew point sensor is self calibrating and lasts for years. Should unexpected failures or system faults occur, the comprehensive failure recognition allows a quick and specific service.

## Alarm points

Each alarm can be adjusted separately. Relay chatter is eliminated with the adjustable alarm delay. The alarm point values can be freely adjusted using the keypads on the controller.

## Alarm relays

The controller provides four voltage-free relays for the three alarms and one fault warning. The relays may be used to control additional alarm devices like lights or horns.

## Additional features

The 4100 control panel stores peak values and offers an additional 4-20 mA output..

## Specifications

### Climate Conditions For Operation

32 to 131°F (0 to +55°C), 0 to 99 % r.h.

### Temperature Range & resolution for sensor

Dew Point                    -80 - 20°C            1°C

### Protective insulation

Per EN 61010 up to over voltage category III and soiling degree 2

### Other Specification

Dimensions:            12x12x3.5 inches  
                              (304.8x304.8x88.9 mm) (WxHxD)

Power:                    24 VDC wall pack

Alarms:                    3 adjustable alarm points (alarms must be +1 or higher)  
                              1 fault alarm

Alarm functions:        Hysteresis adjustable  
                              Delay time: 0 to 2 minutes  
                              Alarm thresholds adjustable above +1

Relay outputs:            4 voltage-free relays for alarm and fault  
                              Normally closed contact (NC)  
                              Normally open contact (NO)  
                              Load: 250 V AC, 4 A

Display:                    3-digit LED display  
                              1 LED green – operational status  
                              1 LED yellow – fault  
                              3 LEDs red – alarm

### Standard Accessories

Manual

### Warranty

Limited lifetime on instrument and electronics. One year on dew point sensor.

Refer to GfG complete warranty for details

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