



GENERAL MONITORS
Protection for life.

Model FM002A

Facilities Module



Features

- Microprocessor-based Electronics
- Live Insertion/Removal
- Two Year Warranty

Benefits

- Monitors fault conditions, sensor inputs, and provides outputs in the form of display codes, analog signal, relay contact and open collector activations
- Module can be removed or inserted into a chassis with power applied without damage
- Provides user protection against failures resulting in greater customer confidence

Description

The Model FM002A is a Facilities Module which provides a range of common facilities for all Zero Two Control Modules housed in the chassis. The FM002A is plugged into the last slot on the right hand side of a 4, 8 or 16 channel chassis. The chassis may be daisy-chained whereby one FM002A will serve up to 100 Zero Two modules of any combination.

- Common alarm outputs for A1, A2, Fault and UA (unaccepted alarm)
- A Master Reset pushbutton, which resets any latched alarm condition which is no longer valid
- An Accept pushbutton which acknowledges alarms by de-activating the UA outputs and causing the alarm logic outputs and indicators to revert to a steady "ON"

The FM002A can be supplied with or without alarm relays. A typical sequence of action would be:

If any Control Module in the chassis goes into an A1 alarm, then a signal will be bussed to the FM002A, activating the A1 alarm and UA outputs (open collector and relays).

If the ACCEPT button is pressed, the UA outputs will be de-activated both on the Zero Two Module and the FM002A. Should the Module go into an A2 alarm, then a further signal will be sent to the FM002A which will activate the A2 outputs and reactivate the UA. Pressing the ACCEPT button will again de-activate the UA outputs. Any subsequent alarms from the Modules will have the same effect in re-activating the previously accepted UA outputs.

Pressing the MASTER RESET button will de-activate any latched alarms, provided that the gas concentration is lower than the alarm set point, or in the case of a fire signal, if these are no longer activated.

Pressing the MASTER RESET button for a period greater than three seconds will illuminate all displays and LED's on the Modules in the chassis.



MODEL FM002A

System Specifications

Available Chassis: 4, 8 or 16 channel rack or panel mounted

Electrical Classification: General purpose, non-hazardous locations

Warranty: Two Years

Approvals: CSA

Environmental Specifications

Temperature Range: 0°F to 150°F (-18°C to 66°C)

Storage Temperature Range: -40°F to 150°F (-40°C to 66°C)

Humidity: 5 to 100% RH, non-condensing

Electrical Specifications

Input Power: 20 to 35 VDC @ 300 mA maximum

Relay Contact Rating: 250 VAC @ 4A, 30 VDC @ 3A resistive max.

Open Collector Rating: 100 mA @ 35 VDC maximum

Mechanical Specifications

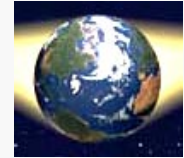
Length: 9.9" (251mm)
Height: 6.825" (173mm)
Width: 0.75" (19mm)
Weight: 11.2 oz. (318 grams)

Standard Configuration: FM02A-321-100-000

Specifications subject to change without notice.

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