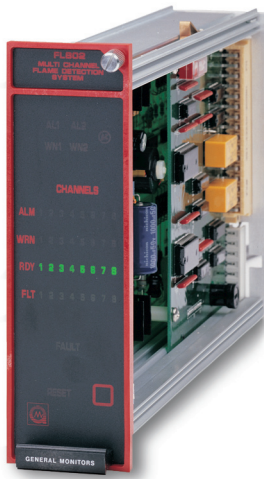


MODEL FL802

Multi-Channel Flame Detection Readout/Relay Display Module



Features

- Compact Packaging
- LED Readouts for Each Channel
- Common Relays
- Superior Reliability

Benefits

- Requires less panel or cabinet space
- Shows the status of each channel including ALARM, WARN, FAULT and RESET
- Outputs ALARM, WARN & FAULT conditions
- Longer product life

Description

The General Monitors Model FL802 is a compact, reliable, and versatile Multi-Channel Flame Detection Readout/Relay Display Module. The FL802 is capable of monitoring up to eight remote General Monitors Flame Detectors. Our flame detectors can be used in Class I, Division 1, Groups B, C and D areas. For the FL802, the output consists of:

Discrete Open Collector Outputs

- ALARM (channels 1 to 8)
- WARN (channels 1 to 8)
- FAULT (channels 1 to 8)

Common Relays (for all 8 channels)

- ALARM - DPDT, Latching/Non-Latching, Energized/De-Energized, 117 VAC @ 4A, 30VDC @ 3A max.
- WARN - DPDT, Latching/Non-Latching, Energized/De-Energized, 117 VAC @ 4A, 30 VDC @ 3A max.
- FAULT - SPDT, Non-Latching, Energized, 117 VAC @ 4A, 30 VDC @ 3A max.

Applications

- Refineries
- Drilling Platforms and Rigs
- Fuel Loading Facilities
- Compressor Stations
- Storage Areas
- Gas Collection and Distribution Facilities
- Chemical Plants
- Petrochemical Plants
- Aircraft Hangars



MODEL FL802

System Specifications

Description: Multi-Channel (up to eight)
Flame Detection
Readout/Relay
Display Module

Mounting Option: Rack, Panel or Wall

Classification: General purpose, non-hazardous areas

Warranty: Two years

Approvals: CSA

Environmental Specifications

Operating Temperature

Range: *FL802:* 0°F to +158°F
(-18°C to +70°C)

FL4000H: -40°F to +176°F
(-40°C to +80°C)

FL3100H / FL3101H: -40°F to +185°F
(-40°C to +85°C)

FL3110/3111: -40°F to +194°F
(-40°C to +90°C)

FL3102/3112: -40°F to +167°F
(-40°C to +75°C)

Storage Temperature

Range: 0°F to +158°F
(-18°C to +70°C)

Operating Humidity

Range: 5% to 100% RH,
non-condensing

Mechanical Specifications

Length: 12.4 inches (315mm)

Height: 6.9 inches (175mm)

Width: 2.1 inches (53mm)

Weight: 2.5 pounds (1.2kg)

Electrical Specifications

Power: 20-35 VDC @ 1A
(plus .25A for each active channel)

Common Front Panel

Indications: AL 1 (ALARM zone 1)
AL 2 (ALARM zone 2)
WN 1 (WARN zone 1)
WN 2 (WARN zone 2)

Discrete Front Panel

Indications: ALARM (channels 1 to 8)
WARN (channels 1 to 8)
READY (channels 1 to 8)
FAULT (channels 1 to 8)
RESET
RELAY INHIBIT

Input Signal: FAULT = 0 to 0.5 mA
READY = 4.0 ± 0.5 mA
WARN = 16.0 ± 0.5 mA
ALARM = 20.0 ± 0.5 mA

DIP Switch Selectable

Functions: **ZONING** (single 8 channel zone or dual 4 channel zones)

VOTING (one vote per zone or two votes per zone)

ALARM TIME DELAY
(alarm override, 1 second, 4 seconds, 8 seconds)

CHANNEL DISABLE (each channel disabled individually)

Reset: Front panel and remote

Standard

Configuration: FL802-1-1-2-8
Latch alarm, non-latch warn, de-energized, single zone, one vote, 4 sec. delay, eight active channels

Specifications subject to change without notice.

Represented by:



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.