



Detcon Model FM10

ISO 9001: 2000

Certified

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Facilities Module



Description

Model FM-10 Facilities Module is designed for use with fire and gas detection systems utilizing Detcon Model Series 10 control cards. The Facilities Module provides common alarm outputs, a master alarm reset/acknowledge switch, displays and reports system fault conditions, and most importantly serves as a single RS-485 address where the complete system status can be polled very efficiently and quickly. Model FM-10 can be configured to supervise up to 32 Detcon Model Series 10 control cards. In some applications the Facilities Module can be used to divide a high-density system into zones. For example, a system with 192 single control cards could be divided into 6 forty-channel areas. Another configuration option may be zoning by function wherein an integrated combustible gas, toxic gas and fire detection system could utilize a Model FM-10 module for each safety-monitoring category.

Features

- ▶ Microprocessor Based Electronics
- ▶ Fully Scripted System Status Display
- ▶ Complete Fault Supervision and Reporting
- ▶ Single RS-485 Address for up to 32 Control Cards
- ▶ Common Alarm Reset/Acknowledge Switch
- ▶ Front panel initiated lamp test

Operation

In operation Detcon Model FM-10 is inserted into the card slot at either end of a series of card racks. The Facilities Module can efficiently monitor up to 32 control cards via the RS-485 MODBUS system bus. A separate RS-485 output is provided so that the entire system status can be polled via a single address. In the event of an alarm or fault condition in any of the active control cards a common alarm relay is activated (A1, A2, Fault alarm relays, Form "C" contacts, 5 Amps at 30 VDC), a corresponding front panel LED is illuminated, and the system status change is reported on the RS-485 output. The lamp test function can be used to illuminate all indicators in the network zone.

Specifications

- Chassis Requirement**
Single Card Slot Detcon Model Series 10
- Input Power**
11-30 VDC, 2.5-Watts Maximum
- Relay Contact Rating**
250 VAC @ 5 A, 30 VDC @ 5 A
- Serial Output**
RS-485 MODBUS RTU
- Operating Temperature Range**
-40° F to +149° F, -40° C to +65° C
- Electrical Classification**
General purpose non-hazardous locations
- Warranty**
Two Years

Ordering Information

(order by part number 911-000000-052)

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