PRECISION
Input/Output Monitor Module

VFD-503

Features

- Programmable initiating device circuit (IDC)
  - Class A (Style D)
  - Class B (Style B)
- Programmable contact relay output
- Unsupervised opto-isolated input
- PRECISION SLC device
  - Style 4, 6 or 7 wiring
- LED status indicator

Product Description

The PRECISION Input Output Monitor Module is designed for use with the PROACTIV Fire Alarm Control Panel (FACP) System.

The I/O module provides both a programmable contact monitoring input circuit as well as a programmable output contact.

There is a red LED status indicator visible through the cover plate that provides indication of the module being polled as well as indication of contact output activation.

The Input Output Monitor Module is designed to mount to either a standard 4 inch square or double gang electrical box.

Operation

The address and the wiring style of the monitoring circuit is configurable. The wiring style can be either Class A (Style D) or Class B (Style B).

The module has two modes of operation:

(1) Monitor any normally open contact fire alarm initiating device. When the device contacts close the module will send an alarm signal to the FACP.

(2) Function as an output relay closure, which is controlled by signals from the FACP.

xtralis

PRECISION
Input/Output Monitor Module

VFD-503

Ordering Information

PRECISION Devices

Description	Model	Description	Model
PRECISION LaserCOMPACT Detector	VLC-828	Remote Indicator	VFD-603
Photoelectric Smoke Detector	VFD-100	Switch Monitor Module	VFD-501
Ionization Smoke Detector	VFD-200	Priority Switch Monitor Module	VFD-502
Heat Detector	VFD-300	Mini Switch Monitor Module	VFD-506
Multi-sensor Detector	VFD-400	Priority Mini Switch Monitor Module	VFD-505
4-inch Mounting Base	VFD-000	Sounder Control Module	VFD-504
4-inch Relay Base	VFD-003	Input Output Monitor Module	VFD-503
4-inch 20D Isolator Base	VFD-004	Short Circuit Isolator	VFD-500
6-inch E-Z Fit Mounting Base	VFD-005	Short Circuit Isolator Base	VFD-001
6-inch Trim Ring	VFD-002	PRECISION Addressing Cards	PSP-2039

Note 1: Not all of the above products are available in all regions.
Note 2: The range of VESDA products is not included in the above list. Consult your local distributor or Xtralis office for more information.

Specifications

Device Type
PRECISION Addressable device

PRECISION SLC
NFPA 72 Style 4, 6 and 7. Style 7 requires the use of isolators

Operating voltage
24 VDC

Maximum Input circuit wiring resistance
50 Ω

Operating Temperature
-20 to +70°C (-4 to 158°F)

Humidity
0 to 95% RH, non-condensing

Current consumption
Standby 850 µA
Activated 4.85 mA

Terminations
PCB mounted terminal block

Alarm indicator
Red LED visible through cover plate

Monitored circuit style
Style D (Class A) or Style B (Class B) switch selectable
End-of-Line resistor: 47k Ω

Output circuit relay rating
2 A @ 30 VDC, 0.6 A @ 125 VAC

Contacts
Form C

Dimensions
113 mm x 113 mm x 30 mm
(4.5 inch x 4.5 inch x 1.2 inch)

Weight
86 g (3 oz.)

Mounting
Mounts directly to either a double gang or 4-inch square electrical box

www.xtralis.com

The Americas +1 781 740 2223 **Asia** +852 2297 2438 **Australia and New Zealand** +61 3 9936 7000
Continental Europe +41 55 285 99 99 **UK and the Middle East** +44 1442 242 330

Doc. no. 10798_02 Part: 30077