

PRECISION Mini Switch Monitor & Priority Mini Switch Monitor Modules

VFD-506 and VFD-505



Features

- Single programmable supervised input
- Supervised input monitoring
 - Class A (Style D)
 - Class B (Style B)
- Three input states
 - Normal
 - Active
 - Fault
- PRECISION SLC device
 - Style 4, 6 or 7 wiring
 - Addressable
 - High speed response via Priority Event reporting

Product Description

The PRECISION Mini Switch Monitor and Priority Mini Switch Monitor Modules supervises the state of one or more single-pole, normally open, dry contacts. The dry contacts are connected across the module Initiating Device Circuit (IDC) which reports contact status to the PROACTIV system via the PRECISION signaling line circuit.

The module's address and the input circuit wiring style of the device being monitored is configurable. The wiring style can be either Class A (Style D) or Class B (Style B).

The PRECISION Mini Switch Monitor and Priority Mini Switch Monitor Modules are designed to fit into a single gang electrical mounting box and are intended for indoor use only. They are supplied with flying leads for easy termination.

Function

The modules provide three input states to the control equipment: 'Normal', 'Fault' and 'Active'.

The Priority module supports priority event reporting for faster response by the PROACTIV system to the programmed event.

Operation

The modules are designed to accept a maximum input circuit line resistance of 50 Ω .

An end-of-line resistor required for the monitored switch circuit is 47 k Ω .

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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

Input Circuit

47 k Ω end-of-line resistor
50 Ω maximum wiring resistance
NFPA Class A (Style D) or Class B (style B) circuit wiring

Maximum current consumption at 24 V

Quiescent 47 k Ω EOL: 600 μ A
Alarm: 4.6 mA

Operating Temperature

-4 to 158°F (-20 to +70°C)

Humidity

0 to 95% RH, non-condensing

Dimensions

3.0 inch x 1.9 inch x 0.6 inch
(76 mm x 47 mm x 14 mm)

Weight

1.6 oz (46 g)

Note: Specifications are typical at 24 V, 23°C and 50% relative humidity unless otherwise stated.

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