



Features

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

Product Description

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

The address and the 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 Switch Monitor and Priority Switch Monitor Modules are designed to mount to 4-inch square or double gang electrical boxes and are intended for indoor use only.

Function

The modules provide three input states to the PROACTIV FACP: 'Normal', 'Fault' and 'Active'. The red indicating LED is visible through the cover plate and is lit if the device is in alarm or is being polled.

The Priority module supports priority event reporting for faster response by the PROACTIV system to the programmed event. The PROACTIV system supports multiple event reporting formats to address installation requirements, including "alarm inputs", "supervisory inputs", "trouble inputs", and "manual release inputs".

Operation

The modules are designed to accept a maximum input circuit wiring resistance of 50 Ω . An end-of-line resistor required for the monitored switch circuit is 47 k Ω .

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 Vision Fire & Security 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

End of line resistor

47 kΩ

Maximum input circuit wiring resistance

50 Ω

Operating Temperature

-4 to 158°F (-20 to +70°C)

Humidity

0–95% RH

Mounting

4" sq or double gang electrical box
2 1/8" minimum depth

Switch Monitor

Maximum current consumption, at 24 V

Quiescent, 47 kΩ EOL fitted	600 μA
Alarm	4.6 mA

Switch input monitoring voltage

9–11 VDC

Dimensions

4.4 inch x 4.4 inch x 1.25 inch
(113 mm x 113 mm x 32 mm)

Weight

2.5 oz (71 g)

Priority Switch Monitor

Maximum current consumption at 24 V

Quiescent, 47 kΩ EOL fitted max	600 μA
Alarm	4.6 mA

Switch input monitoring voltage

9–11 VDC

Dimensions

4.4 inch x 4.4 inch x 1.25 inch
(113 mm x 113 mm x 32 mm)

Weight

2.5 oz (71 g)

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

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