Product Description

The PRECISION Mini Switch Monitor and Priority Mini Switch Monitor Modules supervise 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 kΩ.

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
### Ordering Information

#### PRECISION Devices

<table>
<thead>
<tr>
<th>Description</th>
<th>Model</th>
<th>Description</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRECISION Laser COMPACT Detector</td>
<td>VLC-828</td>
<td>Remote Indicator</td>
<td>VFD-403</td>
</tr>
<tr>
<td>Photoelectric Smoke Detector</td>
<td>VFD-100</td>
<td>Switch Monitor Module</td>
<td>VFD-501</td>
</tr>
<tr>
<td>Ionization Smoke Detector</td>
<td>VFD-200</td>
<td>Priority Switch Monitor Module</td>
<td>VFD-502</td>
</tr>
<tr>
<td>Heat Detector</td>
<td>VFD-300</td>
<td>Mini Switch Monitor Module</td>
<td>VFD-506</td>
</tr>
<tr>
<td>Multi-sensor Detector</td>
<td>VFD-400</td>
<td>Priority Mini Switch Monitor Module</td>
<td>VFD-505</td>
</tr>
<tr>
<td>4-inch Mounting Base</td>
<td>VFD-000</td>
<td>Sounder Control Module</td>
<td>VFD-504</td>
</tr>
<tr>
<td>4-inch Relay Base</td>
<td>VFD-003</td>
<td>Input Output Monitor Module</td>
<td>VFD-503</td>
</tr>
<tr>
<td>4-inch 20D Isolator Base</td>
<td>VFD-004</td>
<td>Short Circuit Isolator</td>
<td>VFD-500</td>
</tr>
<tr>
<td>6-inch E-Z Fit Mounting Base</td>
<td>VFD-005</td>
<td>Short Circuit Isolator Base</td>
<td>VFD-501</td>
</tr>
<tr>
<td>6-inch Trim Ring</td>
<td>VFD-006</td>
<td>PRECISION Addressing Cards</td>
<td>PSP-2039</td>
</tr>
</tbody>
</table>

**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 kΩ 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 kΩ EOL: 600 μA
- 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.