Designed to work on all Honeywell V-Plex polling loops, the VPLEX-VSI provides short circuit isolation for devices on compatible control panels. When a short occurs on a polling loop branch, it illuminates a trouble LED and isolates the defective branch from the system-enhancing life safety and protection while reducing troubleshooting time and maintenance costs.

**FEATURES**

- Detects and isolates polling loop branches with complete or resistive shorts, and overload or defective polling loop devices on initial power up
- Can be used to isolate burglary devices from fire devices, increasing life safety and protection
- LED indicator reduces troublesome time and maintenance costs
- Can be used on all qualified controls that support Honeywell's ADEMCO V-Plex two-wire polling loop
- Operates automatically on qualified controls without the need for changes to existing control hardware or software
- Powered directly from V-Plex twowire polling loop
- Can be placed on any major or minor branch in any configuration on the polling loop
- Low power consumption
- Designed to meet appropriate regulatory agency requirements
VSI
V-PLEX SHORT ISOLATOR

SPECIFICATIONS

- General Specifications
  - Operating Temperature: -20°C to +60°C
  - Operating Relative Humidity: 0-95% non condensing
  - Operating Voltage: 7-14VDC, for V-Plex System
  - Quiescent Current: 1.2mA (LED off), 5.0mA (LED on)
  - Loop Current: 2 amps, max.

- Complete Short Detection: <10 ohms
- Resistive Short Detection: (10-400) ohms during normal polling; (10-800) ohms at application of polling loop power
- Power-On Short Detection: ≤15 ohms
- Overload Detection: Loop power level is, 6VDC
- Dimensions: 4 1/8" L x 9 1/16" W x 7/8" D

- Agency Listing:
  - UL1610 - Commercial Burglary Alarm - central station alarm units
  - UL864 - Commercial Fire Alarm
  - UL985 - Residential Fire Alarm
  - UL1023 - Household Burglary - alarm system units
  - UL609 - Commercial Burglary - local alarm units
  - UL365 - Commercial Burglary - police station alarm units
  - CUL
  - CSFM
  - FM
  - CE

For best detection and isolation of powered-on shorts, defective devices, or overloads, the maximum distance between a VPLEX-VSI and the polling loop devices located farthest for the VPLEX-VSI, should be kept within the following wired limits.

<table>
<thead>
<tr>
<th>WIRE GAUGE</th>
<th>Cable Length, maximum (Shielded or Unshielded)</th>
</tr>
</thead>
<tbody>
<tr>
<td>#22 (0.64mm)</td>
<td>500 ft. (152.40m)</td>
</tr>
<tr>
<td>#20 (0.81mm)</td>
<td>800 ft. (243.84m)</td>
</tr>
<tr>
<td>#19 (0.91mm)</td>
<td>1,000 ft. (304.80m)</td>
</tr>
<tr>
<td>#18 (1.02mm)</td>
<td>1,200 ft. (365.76m)</td>
</tr>
<tr>
<td>#16 (1.29mm)</td>
<td>2,000 ft. (609.60m)</td>
</tr>
</tbody>
</table>

NOTE: The VPLEX-VSI does not add to the maximum length of any branch or the maximum sum length of all branches as listed in your control panel manual. When a conflict occurs, the shorter length should be considered as the maximum.

ORDERING

VPLEX-VSI V-Plex Short Isolator

For more information: www.honeywell.com/security/hsc

Automation and Control Solutions
Honeywell Security & Communications
2 Corporate Center Dr. Suite 100
Melville, NY 11747
1.800.467.5875
www.honeywell.com