



VIC-020

AIR SAMPLING RELAY EXPANDER CARD



P/N: 19072

Standard Features

- Provides two (2) additional relays
- Provides an extra General Purpose Input (GPI) with line monitoring
- Quick and simple to install
- Out-of-the-box operation, with minimal configuration required for extra features
- Diagnostic LEDs give visual indication of the card's status
- Fully compatible with VLF-250

Overview

The VIC-020 Relay Expander Card is an interface card for the VLF-250 smoke detectors. The VIC-020 expands the range of input and output communications a VLF-250 can perform.

Direct Access to the Network

Installing a VIC-020 into a VLF-250 detector provides a cost-effective solution for customers who need enhanced connectivity, fault detection and monitoring, and annunciation of alarms and faults. The principal benefits include:

Improved FACP connectivity

The VLF-250 is fitted with two (2) alarm relays in its standard form. With an extra two (2) relays, the Multi-function Control Card allows reporting of all four (4) alarm levels on dry relay outputs.

Enhanced control and fault detection

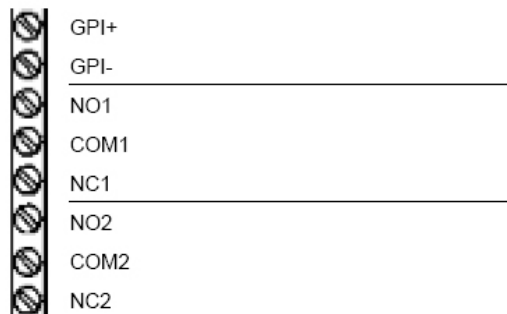
With a VIC-020 installed, a VLF-250 has two (2) General Purpose Inputs (GPIs), allowing, for example, one GPI to report on loss of mains power and the other GPI to be used as a reset input.

Visual Status Indicators

Diagnostic LEDs indicate:

- power to the VIC-020
- relay activated state
- internal communications status
- GPI state
- GPI line fault

Terminal Block Connections





Specifications

Dimensions (LWH):	4-1/3" x 2-3/4" x 13/16" (110 mm x 70 mm x 20 mm)
Terminals:	30 - 12 AWG (0.2 - 2.5 mm ²)
Power Consumption:	1 W from detector at 24 VDC (less than 42 mA)
Relay Outputs	2 amps @ 30 VDC
End of Line Resistor (GPI)	2.7 kOhm
Ambient Temperature	32°F to 104°F (0°C to 40°C)
Humidity	5% to 95% (non-condensing)
Output for Relay 1:	ALERT (follows latching configuration of VLF-250 ALERT status)
Output for Relay 2:	FIRE-2 (follows latching configuration of VLF-250 FIRE-2 status)
Input for GPI:	<p style="text-align: center;">FAULT</p> <p style="text-align: center;">GPI reports status on following conditions</p> <ul style="list-style-type: none"> - EOL > No fault - Short > Fault # 115/IFF6 - O/C > Fault # 111/IFF8

Ordering Information

Model	P/N	Description	Ship Wt. lb (kg)
VIC-020	19072	Relay Expander Card (for VLF-250 LaserFOCUS)	0.5 (0.2)

Note: Approvals/Listings maintained by and manufactured by Xtralis AG.

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