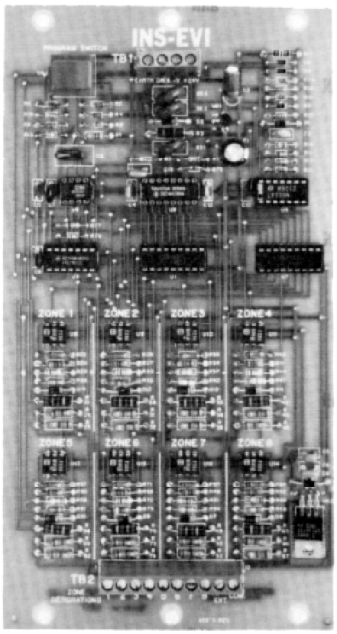
CERBERUS PYROTRONICS

INS-EVI

IXL Emergency Voice Interface Module

ENGINEER AND ARCHITECT SPECIFICATIONS

- 8 Voice Driver Outputs
- Isolated Outputs
- 4-Wire Supervised Connection
- Interface for CPV-90 or EVACS Multiplex Voice Systems
- Field Programmable Outputs
- Mounts on EVK-2 Rail Assembly
- Output Delay Option
- Output Bypass Option
- Operates on the IXL Network Communication Line
- Listed and ULC Listed, FM, CSFM and NYMEA Approved



Description

The INS-EVI is a module that provides an interface between a Cerberus Pyrotronics IXL Control Panel and a Cerberus Pyrotronics CPV-90 Hardwire or Emergency Voice Alarm Communication System. Each INS-EVI supplies eight outputs which can activate a Model VPM-3 speaker programming matrix located in the voice system. The VPM-3 provides 10 speaker zone activation inputs.

The INS-EVI occupies 2 module spaces on the EVK-2 rail assembly located in the voice system enclosure backbox. The INS-EVI is connected to the system's Network Communication Line. Additional INS-EVI modules are connected to the same circuit. Each INS-EVI output is activated through the system's control by event logic program. This allows all speaker matrixing to be field programmable. Outputs are isolated and a screw terminal is provided to accept an activation source. Outputs are +24 VDC.
When a voice module Model VAN-312 is used, connection between the INS-EVI and the VPM-3 is fully supervised.

The INS-EVI occupies eight control element addresses.

Engineer and Architect Specifications

The INS-EVI shall provide a fully supervised, field programmable interface between Cerberus Pyrotronics IXL or Control Panel and the Cerberus Pyrotronics CPV-90 Hardwire or Emergency Voice Alarm Communication System. It shall provide eight optically isolated high going outputs which shall be used to activate the Cerberus Pyrotronics Model VPM-3 speaker program matrix.

The INS-EVI shall occupy two module spaces on the EVK-2 rail assembly located in the voice system enclosure backbox. It shall be connected to the system's supervised network circuit. Each output shall be fully field programmable via the user's laptop computer and activated through control by event logic.

Technical Data

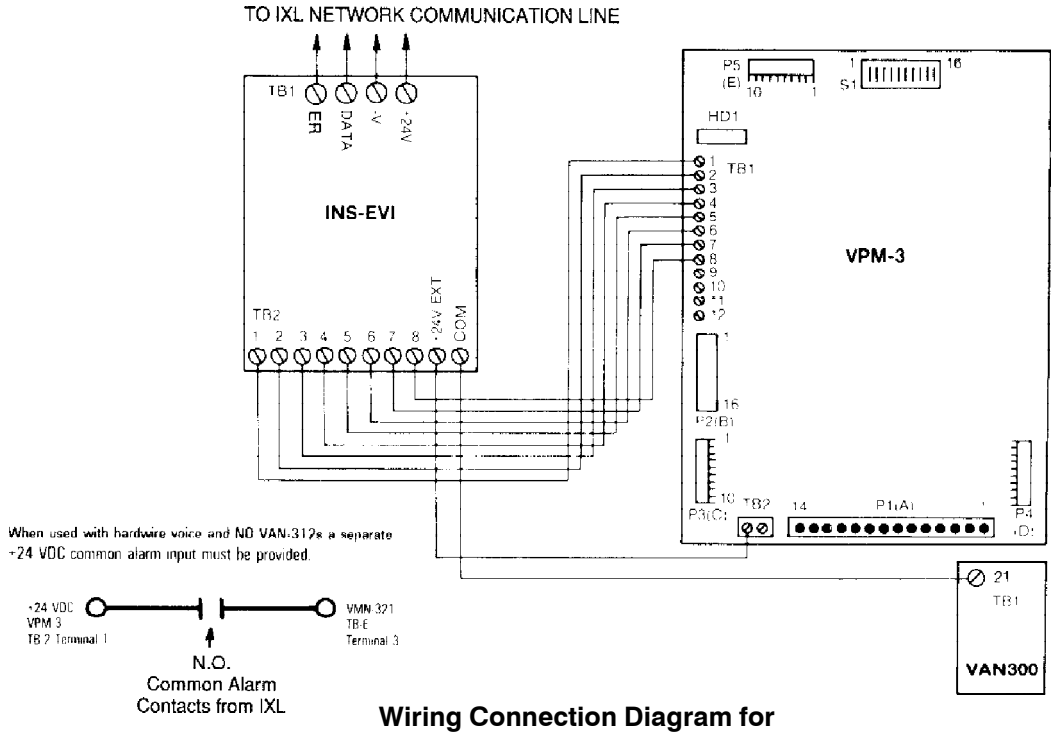
INS-EVI/IXL Communication Lines

Normal:	2mA
Alarm:	128mA (all 8 zones enabled)
	16mA (per zone enabled)

INS-EVI/VPM-3

Normal:	18mA
Alarm:	56mA (all 8 zones enabled)
	7mA (per zone enabled)

Wiring Diagram



Wiring Connection Diagram for INS-EVI/VPM-3

INS-EVI TB2 DESIGNATIONS	
Terminal	**Function**
1	Zone 1 activation output
2	Zone 2 activation output
3	Zone 3 activation output
4	Zone 4 activation output
5	Zone 5 activation output
6	Zone 6 activation output
7	Zone 7 activation output
8	Zone 8 activation output
24V EXT	Voice 24 volt
COM	Voice 24 volt return

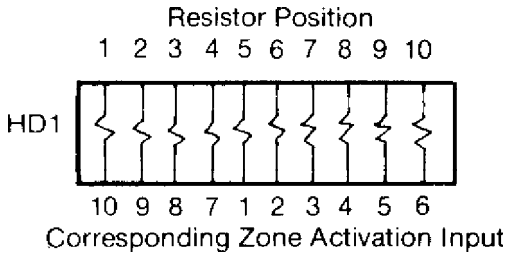
VPM-3 TB1 DESIGNATIONS	
Terminal	**Function**
1	Zone 1 activation output
2	Zone 2 activation output
3	Zone 3 activation output
4	Zone 4 activation output
5	Zone 5 activation output
6	Zone 6 activation output
7	Zone 7 activation output
8	Zone 8 activation output
9	Zone 9 activation output
10	Zone 10 activation output

VPM-3 TB2 DESIGNATIONS	
Terminal	**Function**
1	Voice 24 volt

VAN-300 TB1 DESIGNATIONS	
Terminal	**Function**
21	Voice 24 volt return

CAUTION: Damage may result from incorrect wiring.

If a VPM-3 and a VAN-312 (Supervised Speaker Control Module) are used, remove the corresponding zone input resistor from the VPM-3 header HD1. This will supervise the connection between the VPM-3 input and the INS-EVI output.



NOTICE: The use of other than Cerberus Pyrotronics detectors and bases with Cerberus Pyrotronics control equipment will be considered a misapplication of Cerberus Pyrotronics equipment and as such void all warranties either expressed or implied with regards to loss, damage, liabilities and/or service problems.

CERBERUS PYROTRONICS

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