



## AL1075

# Event Detector System

### *Special purpose voltage measurement instrument*



The AL1075 Event Detector System, in conjunction with the AL8501 Event Detector Module is a special purpose voltage measurement instrument. The system provides several independent relay driver outputs which are activated depending on the voltage range of the input signal. It is mechanically and electrically compatible with ANSI/VITA 12-1996 in order to provide operational flexibility and interoperability with other M-modules.

The AL1075 is a 19" rack mount chassis capable of supporting (5) AL8501 Event Detector modules as well as Chassis Controller Logic providing communication to the modules from an external host computer.

- Voltage measurement accuracy of 2.4mV
- Up to (5) Event Detector Modules supported
- Redundant power supply
- ANSI/VITA 12-1996 compatible
- Health & Status indicators
- Modular & scalable

## SPECIFICATIONS

### **INPUTS**

- Reference voltage inputs (2)
- Sense inputs (3)
- Control inputs (6)

### **OUTPUTS**

- Isolated output voltage rails (+5/+15/-15)
- Precision voltage reference
- Debounced outputs (2)
- Relay driver outputs (7)

### **CONNECTOR**

- 44 pin female (socket) high density
- CONEC part number 164A18119X

### **CONTROL & STATUS**

- Control via RS-232 interface
- Self test, Comm activity, and power status indicators

### **MECHANICAL**

- Standard 19" rack mount. 19"L x 1.75"H x 16.75" D
- Weight - less than 25 lbs

### **POWER**

- 100 to 240 VAC, 50-60 Hz
- Dual redundant DC power supplies

### **ENVIRONMENTAL**

- Operating temperature: 0° to 50° C
- Relative humidity: 0 to 95%, non-condensing