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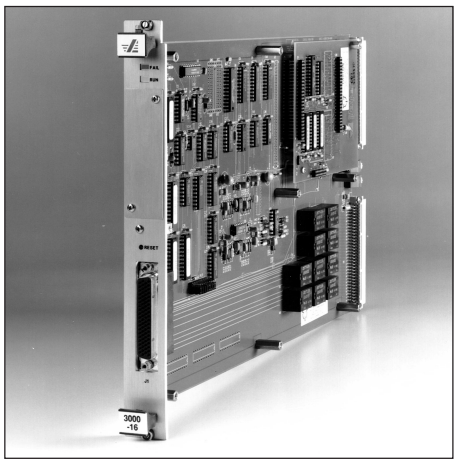
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Find the *Astronics / Giga-tronics / Ascor 3000-16* at our website: ***Click HERE***

MODEL 3000-16

ASCOR Guardian
VXI Alert Status Monitor



ASCOR's single-slot Guardian module is the industry's first VXI Alert Status Monitor, providing a unique, off-the-shelf set of utilities and critical safeguards that your VXI test station can't afford to be without.

Guardian pulls your VXI components, regardless of make, into a complete, easily monitored and easily controlled system – keeping an eye on such crucial operational elements as:

- ***CPU/Control System Functionality***
- ***Temperature***
- ***VXI Power Supplies***
- ***External Monitoring Points***
- ***Interlock Control***
- ***UUT Power Supply Switching***

Making A VXI Station Into A System

As a complement to its comprehensive family of VXI switching modules, ASCOR has developed the industry's first Alert Status Monitor – specifically designed to ensure a safe and reliable VXI test environment.

Guardian monitors and evaluates up to 24 key points of potential test system failure or nonperformance, in order to guard against unfounded UUT (Unit Under Test) failure – and to avoid damage to the UUT or the test system itself.

System Related Features

Guardian incorporates such essential system-related features as:

- Watch Dog Timer
- VXI Voltage Monitor
- Interlock Inputs
- Thermal Switch Inputs
- Run/Fail LEDs
- Central Reset Switch

These and the other safeguards (see back page) provided by Guardian are common in larger, highly sophisticated ATE systems – but until now have been handled, if handled at all, in the VXI environment only by complex, expensive software routines or through custom hardware solutions. Guardian provides a simple, off-the-shelf VXI solution – at last!

Universal Solution

ASCOR's Guardian single-slot VXI module fits any standard "C"-size compatible VXI chassis, and works with ASCOR's switching and power supply modules – as well as VXI modules from other manufacturers.

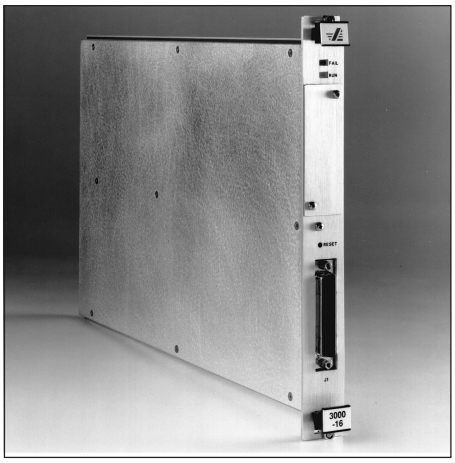


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A Giga-tronics Company

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MODEL 3000-16

ASCOR Guardian
VXI Alert Status Monitor



ASCOR's Guardian is a unique, single-slot VXI module designed to monitor the critical points of potential test system failure in a VXI environment.

Self Testing

Like all ASCOR VXI Modules, the Model 3000-16 incorporates internal self test hardware which includes the ability to test, read back and verify the integrity of the program control circuitry, including the relay coils within the Module.

All ASCOR VXI Modules also feature a unique built-in service record, for tracking repairs to the Module by time and date the repair was actually performed.

ASCOR also provides a 3 year limited warranty on all VXI Modules.

Quiet Ideas. Powerful Solutions.

ASCOR, founded in 1987 and headquartered in California's Silicon Valley, provides a complete line of VXI Switching and Digital Modules for industrial, medical, scientific and governmental automatic test applications. Ascor VXI products are the quietest, cleanest, highest density VXI modules commercially available.

Specifications

Guardian monitors and evalutes up to 24 key potential points of failure, including:

VXI Voltage Monitor

Monitors all seven required VXI chassis voltages, feeding back status data to the station or VXI cardcage CPU. Voltages not utilized in a particular system are ignored.

Watch Dog Timer

Monitors CPU functionality or control system status.

Thermal Switch Inputs

Thermal switch inputs are available to monitor the VXI cardcage and cooling fan thermal switches to avoid overheating. Data is fed back to the station or VXI cardcage CPU.

Interlock Inputs

Two interlock inputs are available to monitor the Start/Stop control of the Test Program Sets (TPS). In addition, they provide UUT interlock control as well as ITA interlocks.

UUT PS Interlocks

Isolated SPDT relay contacts are available for UUT power supply interlocking and are controlled by the VXI cardcage CPU. A manual override will bypass this feature.

UUT PS Gating

TTL driven SPDT relay contacts are available to gate external power supplies on/off.

Environmental Specifications

- Temperature
  - Operating: 0° to 55° C
  - Storage: -40° to 75° C
- Relative Humidity
  - Operating: 10 to 90% non-condensing
  - Storage: 0 to 95% non-condensing

Additional Features Include:

SPDT Output Relays

Four SPDT relay contacts are provided for the Watch Dog Timer, Power Supply Voltage Monitoring, Thermal Monitoring, and Interlocks.

Run/Fail LED's

LED indicators on the module front panel provide VXI RUN/FAIL status.

Reset Switch

A front panel mounted "panic button" switch is provided for VXI system reset. An external reset input is available for VXI reset from an external location.

CE The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

Distributor Information:

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