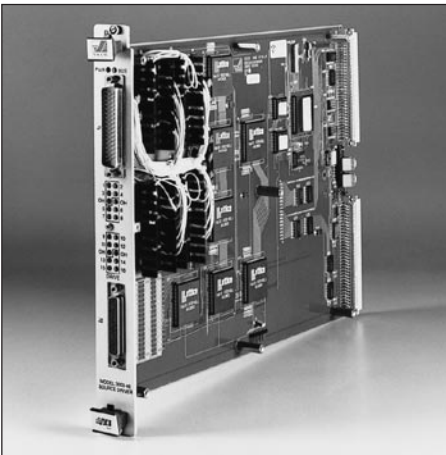


MODEL 3000-48

ASCOR Model 3000-48 16 Timed Or Continuous High Power Drivers



The Model 3000-48 VXI module has 16 high power drivers each driver with program selection for Timed or Continuous Mode operation.

- **The unit is a single slot VXI register based module.**
- **The module has four (4) programmable timers supporting four (4) drivers each.**
- **Each driver can supply up to 4 amps and 50 volts.**
- **The load power limits are; 100 watts per driver and 650 watts total for the module.**
- **Each driver has a built in suppression diode.**

Driver Enable Control

Each driver that is to be turned on must have the corresponding "1" bit written to the Output Drive Enabled Register. Each driver can be programmed for timed mode operation. The register addresses and bit assignments are detailed in the Model 3000-48 Manual.

Timer Control

The four timers support four drivers each. Each timer is programmed by writing to one of the four (4) 16 bit registers. The resolution of each timer is 10 us and the time period ranges from 10 us to 655 ms for each group.

Start Commands

The drivers can be turned on by a Global Start Command, which turns on all enabled drivers, or through the Selective Start Command Register. The timed mode outputs will turn on for the count down period of the corresponding group timer. The continuous mode outputs will remain on until a command to turn off is issued.

Stop Commands

The drivers will remain turned on until one of the following events occurs:

- A group timer counts down
- A Global Stop Command is written
- Or the corresponding "1" bit's are written to the Selective Stop Register. The continuous mode drivers remain on until one of the following occurs:
 - The Global Stop Command is written
 - A corresponding "1" bit written to the Selective Stop Register.

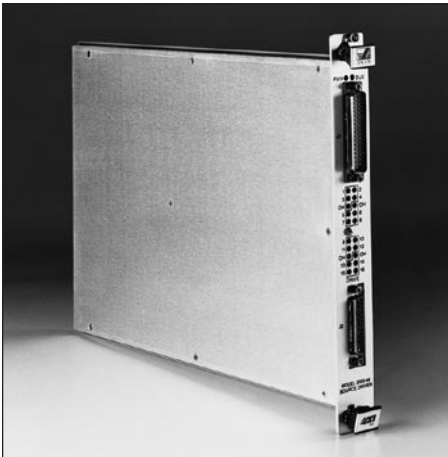
Software Reset Command

A write to the register is equivalent to a power up reset and all registers, drivers, and counters will be set to zero.



MODEL 3000-48

ASCOR Model 3000-48 16 Timed Or Continuous High Power Drivers



The Model 3000-48 provides 16 high power drivers with flexible program control.

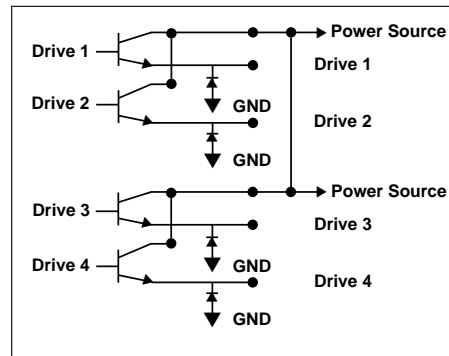
Self Testing

Like all ASCOR VXI Modules the Model 3000-48 incorporates internal self test hardware which includes the ability to test, read back and verify the integrity of the program control circuitry.

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.



Typical drivers Model 3000-48

Event Monitor

This feature allows the user to monitor the outputs for current and latched event status. Provision are made for user designed termination networks to monitor the driver outputs and latch events for program readout. The event latches can be read and reset under program control. Care must be taken to limit input voltage to no more than +5 volts.

Thermal Limits

Each of the four heat sinks has a thermistor to sense case temperature. If the temperature reaches 100 degrees centigrade the drivers are shut off.

Caution: Great care must be taken not to exceed the cooling capacity of the VXI chassis. (Consult the specifications of the VXI chassis.)

Protecting Your Investment With VXIMAX™ 16/32

To address tomorrow's applications, requiring even greater capabilities, ASCOR's 3000-48 supports either 16-bit or 32-bit data bus paths through its VXIMAX 16/32 VXIbus interface.

3000-48 customers can upgrade to 32-bit from 16-bit with VXIMAX's field upgradability.

Specifications

- Sixteen Emitter Follower Drivers rated at up to 4 amps and 50 volts, with clamp diode
- Single slot "C" size module
- Programming is register based
- Four register programmable timers, 10us to 655ms, controlling 4 drivers each.
- Enable/Disable control of each driver.
- Time or Continuous Mode register programmable for each driver.
- Group Start Command: Starts all enabled drivers.
- Selected Start Command: Starts all selected and enabled drivers.
- Group Stop Command: Turns off all drivers.
- Selected Stop Command: Turns off selected drivers
- Register read back verification supported for: Timers, Enable, and Mode Select.
- Power limits: 100 watts per driver; 650 watts per module.
- Power for the drivers is provided externally.

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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