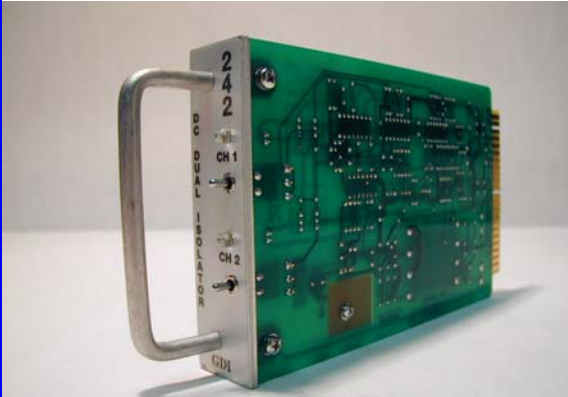




DIM242J

Dual DC Isolator



Description

The GDI Model 242J Dual DC Isolator consists of two independent DC Isolators on one plug-in module. The module takes a switch closure and converts it to a signal that a traffic controller can utilize.

Each channel provides isolation, voltage hysteresis, and timing to qualify an input signal for the traffic controller. The GDI 242J plugs into a standard input file and is compatible with the latest input files that use both rows of the 44 pin mother board connector

The 242 Module is powered from the 115 VAC lines that are available on the 44-pin Input File connector. An optional fuse is available on the AC+ line. The 242 can also be powered from the 24 VDC that is available on the 44-pin connector in the Input File.

Adjustable jumper blocks are available to invert the logic "sense" of either channel and to defeat minimum output pulse width parameter.

FEATURES

- * Meets the transient and lightning test requirements in the CALTRANS TEES.
- * Uses less than 1W per channel from the Cabinet supplies
- * Input Signal polarity can be inverted with a jumper
- * 100 ms minimum output pulse can be disabled with a jumper
- * Front panel mounted test switch for each channel
- * Front panel LED indicator for a true signal

Specifications:

Input Voltage

- * Output is OFF for input voltages greater than 12 volts
- * Output is ON for voltages of less than 8 volts that have a duration of at least 10 to 25 ms.
- * Minimum output pulse width is 100 ms with a valid input (can be disabled).

Output

- * Optically isolated open collector NPN transistor
- * Capable of sinking 50 ma when on.
- * Can register a new input within 25 ms of the old signal going away.
- * Output clamped on power up and down

GDI Communications LLC
PO Box 1330, Verdi, NV 89439
Ph: 775-345-8000 Fax: 775-345-8010 E-mail: sales@sgdi.net