

# Model 242L

## DC ISOLATOR SERIES

- DUAL CHANNEL – RACK MOUNT
- CALTRANS APPROVED



For over 30 years Eberle Design, Inc. (EDI), has provided technicians and engineers with reliable, high quality mission critical component products that improve the performance and lifecycle of traffic control systems.

EDI's wide range of traffic control vehicle detection products help technicians save valuable time and bank budgeted dollars by quickly installing, accurately troubleshooting, and reliably maintaining traffic control systems with easy to use hi-tech vehicle detectors.

The Model 242L DC Isolator has been specifically designed to deal with all traffic applications and meets or exceeds all requirements of:

- Caltrans QPL, TSCES January 1989
- Caltrans QPL, TEES March 2009 plus Errata #2 (12/2014)

The Model 242L is powered from the 24VDC cabinet power supply and does not require AC Line. It is interchangeable with the Model 242.

## STANDARD FEATURES

**Rugged Handle Assembly:**



The Model 242L series handle assembly is made of GE Lexan™, which is a super durable polycarbonate resin. The design of this assembly strengthens and protects the whole PCB assembly much better than conventional metal face plates.

**Reliable Isolated Power Supply:**

The Model 242L series uses a reliable and efficient isolated switching power supply to provide the DC voltages of the unit from the cabinet 24VDC power supply. The input bias voltages going to the inputs are isolated from both 24VDC Logic Ground and AC Neutral. The 242L will operate with an input voltage down to 10.8 Vdc.

**Enhanced I/O Transient Protection:**

Both the DC inputs and outputs are protected from damage due to transient voltages.

**100 ms Minimum Output Pulse Option:**

The Model 242L series can be programmed to provide output pulse widths of 100ms minimum.

**Polarity Option:**

The input polarity for each channel can be inverted.

U.S. Pat. No. 7,855,893  
LEXAN Resin is a trademark of General Electric

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