

# Model 242

## 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 242 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

**NOTE that the Model 242 has been replaced on the Caltrans QPL with the Model 242L as of December 2014 (Errata #2).**

## STANDARD FEATURES

**Rugged Handle Assembly:**



The Model 242 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 Off-Line Power Supply:**

The Model 242 is powered from the AC Line and uses a reliable and efficient isolated off-line switching power supply to provide the DC voltages of the unit.

**Enhanced I/O Transient Protection:**

Both the DC inputs and outputs are protected from damage due to transient voltages. AC Main protection is provided by an MOV and a fuse option is available.

**100 ms Minimum Output Pulse Option:**

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

**Polarity Option:**

The input polarity for each channel can be inverted.

**Model 242 Product Options:**

**Model 242-J:** provides two-pin post jumpers for the minimum pulse width option and the polarity option.

**Model 242-NY:** operates from a 24VDC power supply. Meets requirements of New York State DOT for 179 cabinets.

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

## EBERLE DESIGN INC.

3510 East Atlanta Avenue  
Phoenix, AZ 85040 USA  
www.EDIttraffic.com

Tel (480) 968-6407  
Fax (602) 437-1996

