

210C Series

Type 170 Caltrans Signal Monitor



The EDI 210C Series Signal Monitor is designed to provide the basic monitoring requirements for Caltrans Type 170 Output Files. The unit is fully compatible with the requirements of the Model 170 Controller Unit.

The 210C Signal Monitor has been tested by the California Department of Transportation Laboratory and is compliant to the *Traffic Signal Control Equipment Specifications* (TSCES), dated January 1989, and applicable addendum, and the Transportation Electrical Equipment Specifications (TEES), dated March 2009.

210C FEATURES

- 210 Monitoring Functions:** The 210C meets or exceeds the requirements of the Caltrans Transportation Electrical Equipment Specifications (TEES) of March 2009. Basic fault coverage includes Conflict, 24Vdc, CU Watchdog, and AC Line monitoring.
- EDI RMS-Engine:** A DSP coprocessor converts ac input measurements to True RMS voltages, virtually eliminating false sensing due to changes in frequency, phase, or sine wave distortion.
- Recurrent Pulse Detection:** Recurrent Pulse Detection works in conjunction with the RMS-Engine to detect faults that are pulsing or intermittent in nature.
- Diagnostic Displays:** Two Diagnostic display modes show active colors of channels for both real-time intersection status and latched fault status of the current and two previous fault events.
- AC Line Monitoring:** AC Line Monitoring detects and responds to low AC Line voltages as well as interruptions.
- Configuration Monitor:** Detects potentially unsafe programming changes.
- Option Programming:** Programmable options include:
- ✓ Watchdog Fault Timing
 - ✓ Configuration Change Fault Enable
 - ✓ Watchdog Latch Enable
 - ✓ AC Line Brownout/Restore Levels
 - ✓ Minimum Flash Enable

EBERLE DESIGN INC.

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

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

