

# 210 Series

## Type 170 Caltrans Signal Monitor



The EDI 210 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 210 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 12, 2009.

## 210 FEATURES

- Monitoring Functions:** The 210 meets or exceeds the requirements of the Caltrans Traffic Signal Control Equipment Specifications of January 1989, and Transportation Electrical Equipment Specifications (TEES), dated March 2009 plus Errata. Basic fault coverage includes Conflict, 24Vdc, CU Watchdog, and AC Line monitoring.
- Caltrans QPL Listed** The EDI Model 210 is listed on the Caltrans QPL.
- 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.
- 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

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