



210C

CONFLICT MONITOR UNIT FOR CALTRANS CABINETS

Designed to provide the basic monitoring requirements for Caltrans Type 170 Output Files.

FEATURES

- Meets / exceeds requirements of Caltrans TSCES of January 1989 and TEES of March 2009
- Fully compatible with the requirements of the Model 170 Controller Unit
- EDI RMS-Engine
- Recurrent Pulse Detection
- Diagnostic Displays

HIGHLIGHTS

- AC Line Monitoring
- Configuration Monitor
- Option Programming



CALTRANS CABINET COMPATIBLE

210 Monitoring Functions: 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. 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, and Minimum Flash Enable.



Specifications subject to local environmental conditions, and may be subject to change. All Eberle Design LLC. products are Designed, Manufactured and Tested in the United States of America in facilities that are certified to ISO quality standards. "Eberle Design Inc." and Eberle Design LLC. logo are trademarks of Eberle Design Inc. © 2024, Eberle Design LLC. Document: EDI_DATA_210C_RevA