



SIEMENS MOBILITY

WayConneX™ Series

Wayside Signaling System

Overview

Siemens Trackguard® WayConneX™ Wayside Control System is a vital, microprocessor controlled system that generates electronic DC coded track circuits, provides broken rail detection, and controls intermediate signal locations as well as end of siding and single or multiple switch interlockings.

It provides built-in PTC compatibility and systems management as well as compatibility with Genrakode™, ECode™ and Micro-Trax®. All modules are interchangeable between units and all modules are designed to be "hot-swappable".

With the addition of a SIEMENS Wayguard® SEAR II Series Event Analyzer / Recorder and a SIEMENS Wayside Communications Package (WCP) module, system will interface with all of the major codeline protocols including Advanced Train Control System (ATCS).

The WayConneX™ Configuration Tool (WCCT) enables users to develop site specific Relays and Boolean vital logic for WayConneX™ systems. WCCT provides a relay equivalent representation of the logic as it is created and includes an integrated simulation environment that allows users to visualize and animate relay contacts, coils, and state changes during logic execution.

Features

WayConneX™ Wayside Control System chassis includes new modules, such as:

- CPU III module
- WayTraX™ module
- PSO-E module
- DC track circuit interface module (electro code 4 and 5)
- Color light lamp module



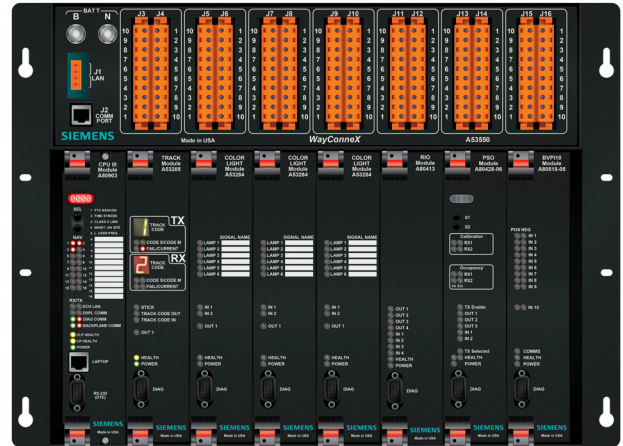
- Rio module

WayConneX™ Configuration Tool (WCCT) provides a simple graphical user interface which allows users:

- To specify which modules are in the system and how they are configured, and as well as which I/O points on the modules will be used.
- To define the PTC messages generated by the WCX.
- To create vital communications channels between WCX's.
- To specify interface to non-vital controller system (SEAR II).

The tool allows the user to add field configurable timers and Boolean properties, and to specify which ones are included in the systems Unique Check Number (UCN).

The behavior of the WayConneX software can be simulated by industry standard software simulators widely used by railway customers.



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