

Trainguard WESTECT Communications Module 250

WCM250



Benefits

- Generates WESTECT messages from WESTRACE Interlockings
- Controls a pair of radios for message broadcast
- Provides radio diagnostic data
- Uses WNC protocol
- Supports single or dual networks
- Suits new and upgraded installations

Simple, Compact Module

Replace the WESTRACE MkI WESTECT Communication Module and local or remote WESTECT Radio Communication Module with a single module installed near the WESTECT Radios.

The WCM250 is a simple and compact module that sits between a WESTRACE MkII and a pair of radios. It translates WNC messages from the WESTRACE MkII in to audio messages that are forwarded to the radios for transmission to the trains.

The WCM250's WNC single or dual Ethernet interface allows communication with stand alone or hot standby WESTRACE MkII PMs.

Enhanced Features

Upload the approved data using the WCM250 web browser.

Comprehensive LED and browser accessible diagnostic interfaces support maintainers in confirming correct operation and troubleshooting faults.

Simple module replacement as all configuration is stored in the ID Plug that is specific for the location.

Description

The WCM250 interfaces to a standalone or hot standby WESTRACE MkII Processor Module (PM). The WESTRACE MkII PM generates WNC messages based on interlocking states. The WCM250 encodes these messages in to WESTECT code words that are then FFSK modulated and transmitted to one of the two connected radios. The WCM250 also monitors radio health.

Design WESTRACE MkII and WCM250 data in GCSS and generate the interface files (.ifc and .wt2) to make this data available. Use the WCM250 web browser to select and upload the data on to the ID plug. Define other WCM250 parameters, such as start-up radio, station ID and radio change over frequency, in the web browser.

Mount the WCM250 on 122 mm rail. Put it in to service; simply supply power and connect single or dual 10/100 Ethernet networks and radios.

Ordering

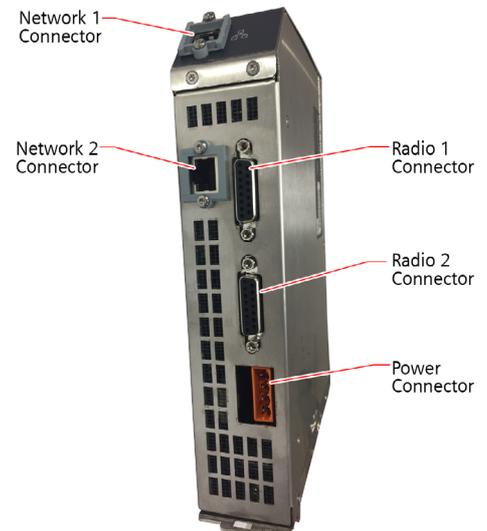
Contact Siemens to discuss your requirements with our sales staff.

Specifications

Dimensions	
Height	150 mm
Width	42 mm
Depth	210 mm
	Requires approximately 100 mm below for cable access Mounts on Siemens 122 mm rail
Weight	< 2 kg
Supply Voltage	24 Vdc ±15%
Supply Current	< 0.8 A
Ethernet	10/100 BaseT Auto
Radio Interface	DB15 connector supplying all inputs and outputs FFSK (1200 – 1800 Hz) modulated signal - 10 – 0 dBm
Radio Toggle	Continuous 1 – 86400 user configurable (in seconds) (The toggling rate is between 1 second and 1 day)
Start Radio	User Configurable
EMC	EN61000-6-4, EN61000-4-2, EN61000-4-4 RCM Compliant
Front Panel	Refer to manual



ID Plug that stores the location specific configuration



Connectors (on the bottom of the unit)

