

Rail Automation

VIU/iVIU Current Sensor A80850

A80850 Current Sensor Overview

The WIU (Wayside Interface Unit) current sensor is a component of the VIU and iVIU product lines. The WIU current sensor monitors signal lamp current to report if the lamp is off, on, or flashing. In PTC applications the current sensor monitors the energized state of the wayside signal lamps, and the signal aspect information is transmitted by the WIU to the locomotive.

The current sensor board is designed to monitor up to three lamps. The main board contains all the circuit components needed to create the digital outputs that represent the state of the lamps, including the sensors themselves. A Current Sensor Adapter board may be used to interface the lamp circuit to the current sensor board.

The current sensor adapter board enables easy rerouting of the existing lamp wires through the sensors. By disengaging a single wire from its terminal and installing the small current sensor adapter board in its place, an extension loop (prewired through the sensor) is added to that lamp wire. This is accomplished in a relatively simple, easy, and minimally disruptive manner.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

Features

- Monitors signal lamp current
- Monitors up to 3 lamps per module
- Expand up to 10 modules
- Adjustable current threshold
- Easy installation
- Terminal board adapter to retrofit existing signal control points
- Make existing signals PTC-Ready

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