



Description:

The MRDI is a panel mounted accessory for the 2600 Series AEI system. It is used in industry track or yard applications to enable the 2600 AEI Reader to provide route tracking information for vehicles that are moved to or from multiple available tracks, as determined by an adjacent track switch or switches.

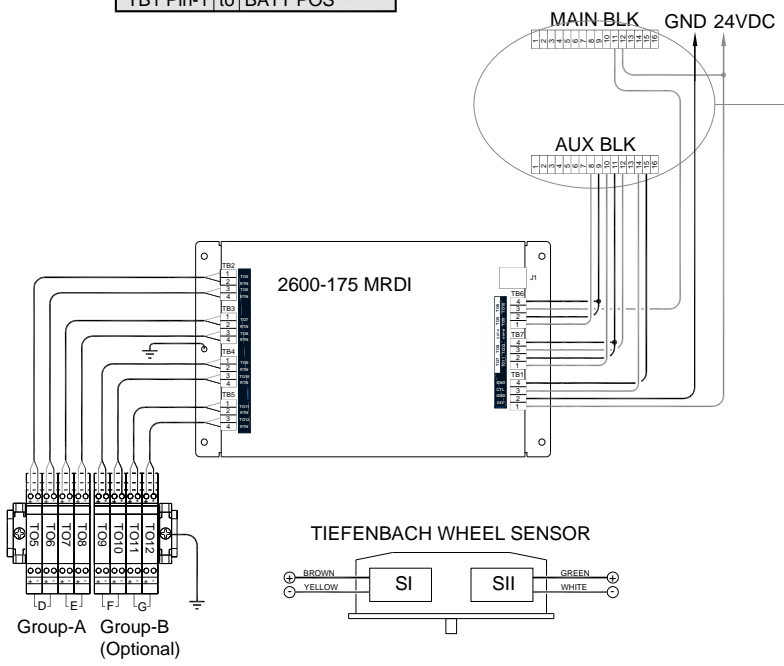
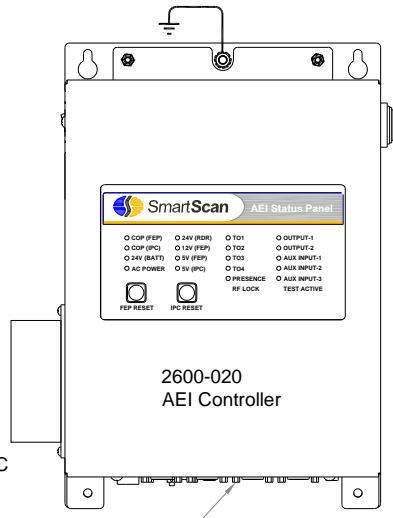
The MRDI is typically used at industrial plant entrances, or at storage yards, where rail vehicles get routed to/from multiple tracks as they are delivered to or retrieved from the property. With the MRDI module installed, the Model 2600 AEI system can report vehicle movement in terms of the route taken and the direction traveled. The MRDI's multiplexed inputs provide for up to four switched routes to be monitored.

When equipped with an MRDI module, the 2600 is able to sort out complex switching moves into collections of the vehicles delivered to, and those retrieved from, each of the available routes. The 2600 AEI Reader's software also provides for configuring the Reader in terms of:

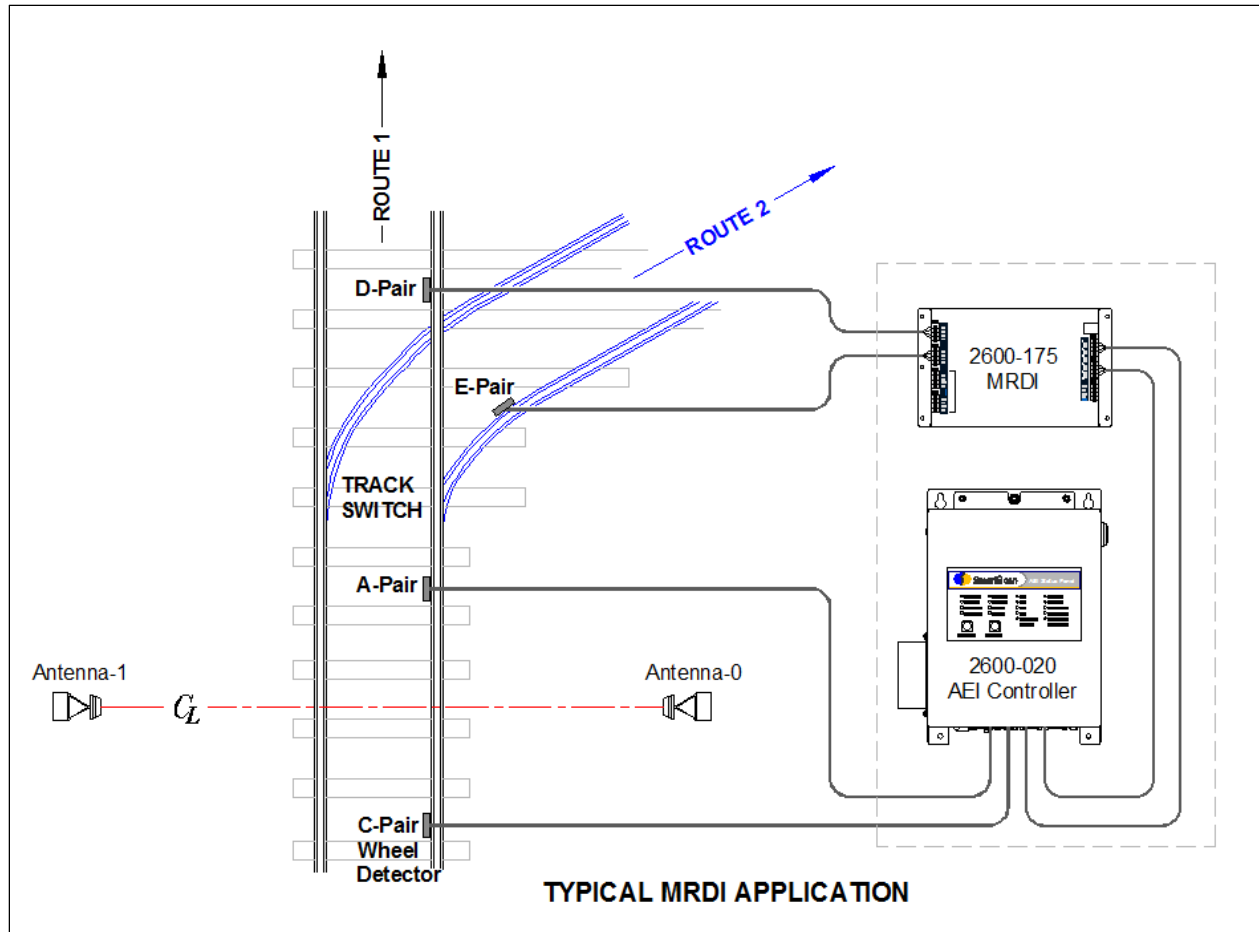
- Which of the MRDI's wheel detector inputs has a wheel detector connected, and which of those are activated
- The destination(s) to which the vehicle/consist data is to be reported
- Which routes are to be reported for each of the specified destinations

The MRDI utilizes WAGO connectors for interfacing both to the 2600 Reader and to the wheel detectors installed on the switched routes. The LEDs on the cover of the MRDI reflect the current status of the connected wheel detectors and of the device's multiplexer function.

MRDI OUTPUT	2600-020 CONTROLLER
TB6 Pin-4	to AUX BLK Pin-9
TB6 Pin-3	to MAIN BLK Pin-11
TB6 Pin-2	to AUX BLK Pin-9
TB6 Pin-1	to AUX BLK Pin-8
TB7 Pin-4	to AUX BLK Pin-11
TB7 Pin-3	to AUX BLK Pin-12
TB7 Pin-2	to AUX BLK Pin-11
TB7 Pin-1	to AUX BLK Pin-10
TB1 Pin-4	to AUX BLK Pin-15
TB1 Pin-3	to AUX BLK Pin-14
TB1 Pin-2	to BATT NEG
TB1 Pin-1	to BATT POS



2600-175 MRDI Wiring Schematic



General Specifications:

Voltage Input	11-30 VDC
Operating Current	65 mA nominal at 28 VDC (330 mA maximum)
Dimensions	6.37"W x 10.51"L x 1.37"H (161.8mm x 266.7mm x 34.93mm)
Weight	3.41 lbs (1.55 kilograms)
Temperature Spec. - Industrial	-40°F to +160°F (-40°C to +70°C)