

52 Input/Output Modules

Analog Input Module

The following analog input components are available.

Model	Description	Current	Type
3351	Analog Input Module	4–20 mA	Commoned
2351	Analog Input Baseplate		Direct Termination
2352	Analog Input External Termination Panel Baseplate		External Signal Conditioners

The Analog Input (AI) Module has three independent input channels. Each input channel receives variable voltage signals from each point, converts them to digital values, and transmits the values to the three MPs on demand. One value is then selected using a mid-value selection algorithm to ensure correct data for every scan. Sensing of each input point is performed in a manner that prevents a single failure on one channel from affecting another channel.

The AI Module sustains complete, ongoing diagnostics for each channel. If the diagnostics detect a failure on any channel, the module's Fault indicator is activated, which in turn activates the system alarm. The Fault indicator points to a channel fault, *not* a complete module failure. The AI Module is guaranteed to operate properly in the presence of a single fault and may continue to operate properly with multiple faults.

The AI Module supports hot sparing for online replacement of a faulty module or continuous back-up to an active module. The AI Module is mechanically keyed to prevent improper installation in a configured baseplate.

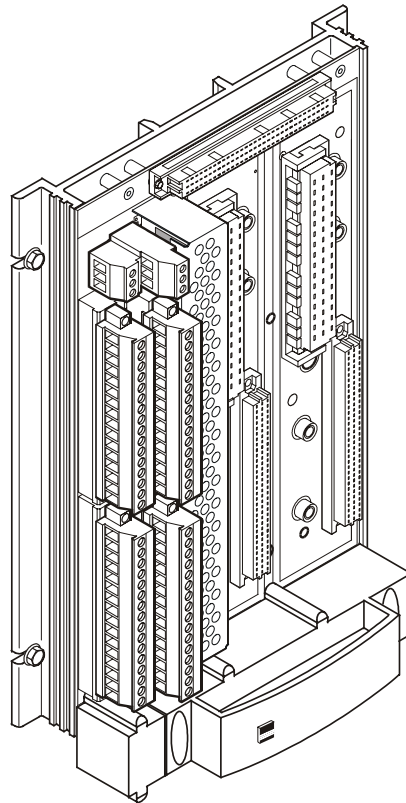
Trident Planning and Installation Guide

56 Input/Output Modules

Model 2351 Analog Input Baseplate

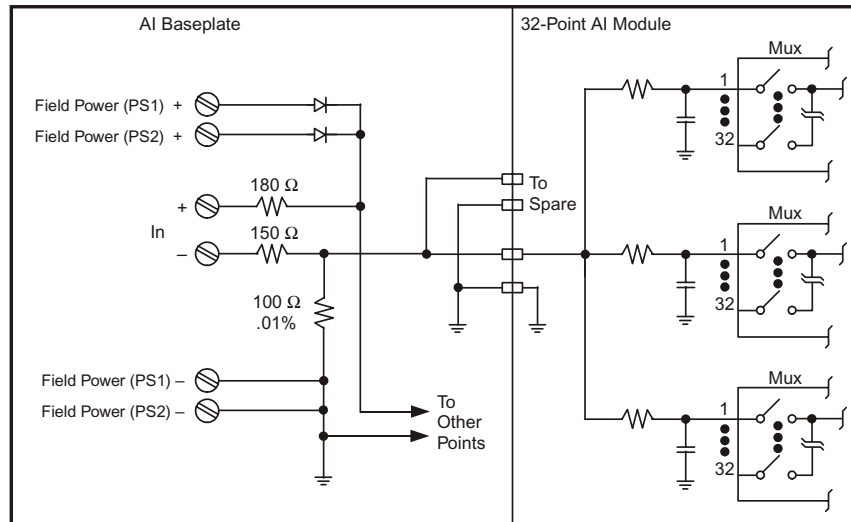
The following table lists the short circuit current specifications for field short-to-ground faults.

Feature	Specification
Fault current	130 mA, typical 200 mA, maximum



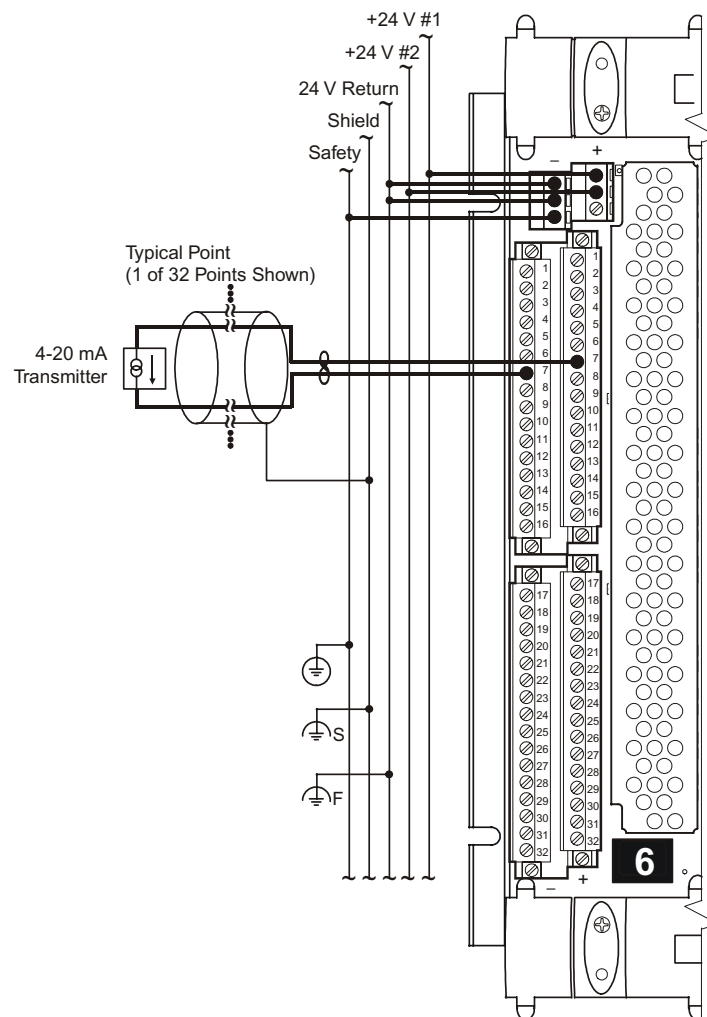
Trident Planning and Installation Guide

Model 2351 Analog Input Baseplate Simplified Schematic



58 Input/Output Modules

Model 2351 Analog Input Baseplate Field Connections



Trident Planning and Installation Guide



GLOBAL INDUSTRIAL AUTOMATION SOURCING

Ready to source this part?

Ask for availability, pricing and delivery options.

Request a fast quote

Include the product title and any required part number or quantity.

EMAIL

info@apterpower.com

PHONE

+86 18106909650

CHAT ON WHATSAPP >



SCAN TO CHAT ON WHATSAPP

PRODUCT: 7400210-010 / Trident Model 2351 Analog Input Baseplate

The enclosed manufacturer pages are reproduced without alteration to technical content.

Apter Power is not an authorized distributor, reseller or representative of the products featured.

Product names, trademarks, brands and logos remain the property of their respective owners.