

16-Channel Thermocouple Conditioner Card for the MRTM-2048/3048



Applications

- CAIS Applications
- Distributed Systems

Features

- 16-channel thermocouple conditioner and multiplexer card for use in the MRTM-2048 and MRTM-3048 units
- Programmable channel selection (including the ability to measure the temperature of the Reference Junction Compensators)
- Programmable Thermocouple Type for J, K, T, and E (on a per-channel basis), Programmable Range (on a per-channel basis) including “coarse range” or “fine range”
- Programmable Sliding Range (on a per-channel basis)
- Programmable open channel detection (asserted on a per-card basis)
- Thermocouple data is digitized to 12-bit resolution, electronically linearized and formatted for transmission in the PCM encoder’s serial output stream

Description

The TCD-2048 is a 16-channel thermocouple conditioner and multiplexer card for use in TTC’s MRTM-2048/3048 series product. Three of these cards are used within the MRTM, providing 48-channel capability. The card is compatible with ANSI thermocouple types “J”, “K”, “T” and “E”. Different thermocouple types can be conditioned on a per-channel basis under program control. The TCD-2048 provides true, real-time thermocouple linearization on all channels. Data appearing on the system’s PCM output has been electronically linearized.

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TCD-2048 Datasheet

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 Specifications subject to change without notice.

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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