

# RJC-208

8-channel Reference Junction Compensator

**CURTISS-  
WRIGHT**

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## Key Features

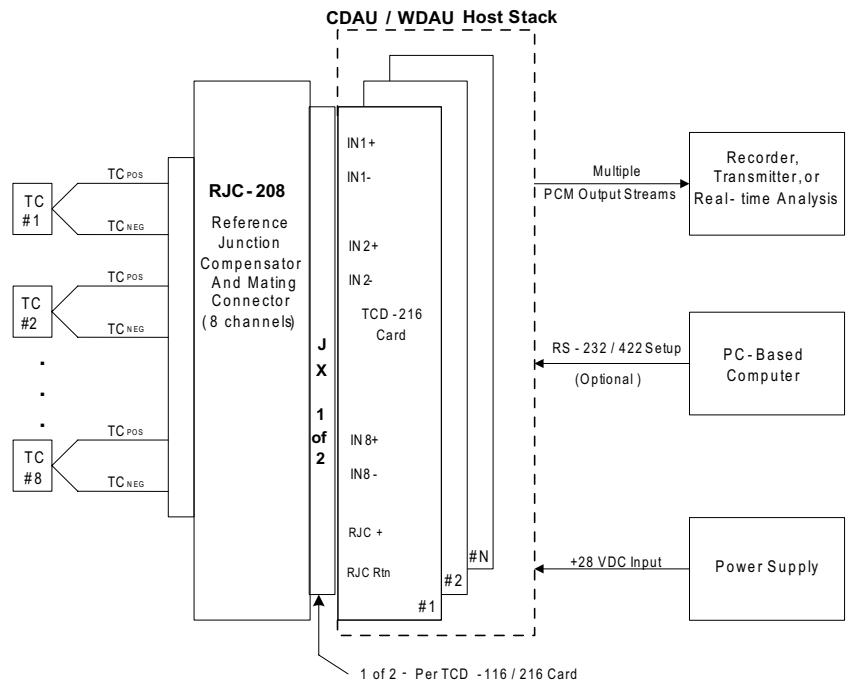
- 8-channel reference junction compensator
- Compatible with Curtiss-Wright's TCD-116 and TCD-216 families of thermocouple cards
- Supports electronic cold junction compensation
- Works with all thermocouple types supported by the specific card/module to which it is interfaced
- Connects directly to the thermocouple cards

## Applications

- Flight test instrumentation
- Factory automation and process control
- Engine testing

## Overview

The RJC-208 is an 8-channel reference junction compensator used with Curtiss-Wright's TCD-116 and TCD-216 families of thermocouple cards. It is the mating connector to the thermocouple inputs and connects directly to the thermocouple cards. The RJC-208 assembly provides the physical interface point between thermocouple materials and copper wire, and also supports the electronic cold junction compensation feature of Curtiss-Wright's thermocouple conditioning products. The RJC-208 is compatible with ANSI thermocouple types J, K, E, T, C or S. Thermocouple types C and S are only with the TCD-216B.



RJC-208 channel block diagram  
(connects directly to the thermocouple cards)

## Specifications

### General

- Supply current: Sourced by thermocouple conditioner card
- Temperature:
  - + Operating Temperature: -31°F to +185°F (-35°C to +85°C) (box ambient temp)
  - + Storage Temperature: -67°F to +212°F (-55°C to +100°C)

### Dimensions and Mechanical

- Weight: 3.1 ounces (88 grams) not including the mating connectors
- Unit connectors: Cinch M24308/4-3F
- Backshell: Cannon 980-2000-347

### Electrical

- Input type: Accepts thermocouple/copper wires that are crimped to connectors. Provides a mechanically secure connection via cable clamps.
- Number of inputs: 8
- Thermocouple type: All thermocouple types supported by the specific card to which it is interfaced

## Ordering Information

Contact [Curtiss-Wright](#) for ordering information.