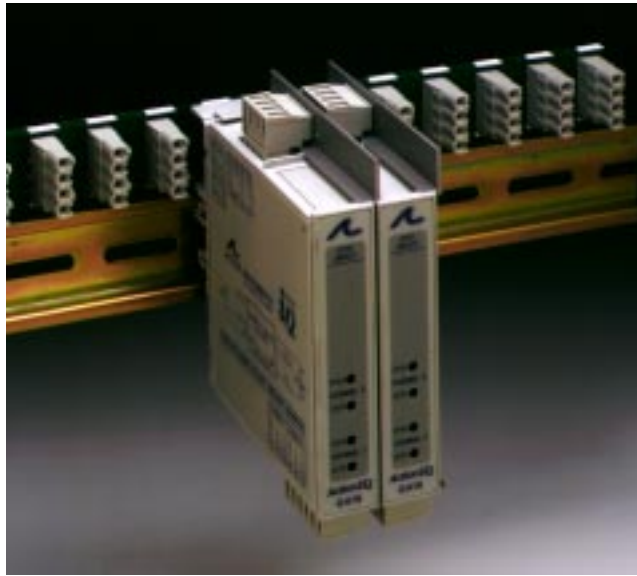


ACTIONI/Q[®] Q424 & Q425 MODEL



Benefits

- Multi-Channel Design Provides Two (2) Three-wire Transmitters in 1 Package
- Eliminates Ground Loops with 1800VDC Input-to-Output Isolation
- High Density DIN Rail Mounting
- SnapLoc, Plug-In Screw Terminals for Low MTTR
- I/QRail Power Bus Connector Saves Installation Time
- Output Linear to mV Input
- Standard Input Ranges for the Most Popular Applications
- Three Year Warranty



Multi-Channel, Thermocouple Input, Three-Wire Transmitter

Provides Two DC Outputs in Proportion to Two Thermocouple Millivolt Inputs

DESCRIPTION

The ActionI/Q models Q424 and Q425 are DIN rail mount, thermocouple input, isolating, dual (2) channel three-wire transmitters. Each channel accepts a thermocouple input and is isolated from the DC output signal. The output is linear to the millivolt input (not linear to temperature). Cold junction compensation is provided. Each input channel is fully isolated (1800VDC) from the outputs which are common to the same power supply.

All ActionI/Q modules feature SnapLoc, plug-in, screw terminals for easy installation and low Mean-Time-To-Repair (MTTR). If desired, two or more modules can slide together and interlock for solid, high density mounting. This is accomplished by removing the foot or the adjacent unit's face plate, for right-hand side or left-hand side mounting, respectively. The module to be attached will easily slide on to the side of the mounted unit.

APPLICATION

Thermocouple input, three-wire transmitters are used to convert a specific temperature range into a 4-20mA or 0-10VDC signal. Three-wire transmitters are primarily used in remote locations near the sensor since they reduce the probability of signal errors and save wiring costs by utilizing one of the two power wires as a common reference, sending either a 4-20mA or 0-10VDC signal. These signals are usually monitored by a control system or displayed for an operator.

OPERATION

The ActionI/Q models Q424 and Q425 operate as three-wire transmitters allowing a voltage or current output signal from 24VDC power. The Q424 provides a dual channel 4-20mA output and the Q425 provides a dual channel 0-10VDC output. The power input of



*Protecting the
Integrity of
Industrial
Process Signals*



