

# KJ3224X1-BK1 THERMOCOUPLE/mV INPUT

## Hazardous Atmosphere



II 3G Ex nA [nL] IIC Gc  
 II 3G Ex ec [ic] IIC Gc  
 FM19ATEX0173U  
 IECEx FMG 19.0019U  
 FM21UKEX0017U



CL. I Div. 2 GP. A,B,C,D  
 CL. I Zone 2 AEx/Ex ec [ic] IIC Gc  
 FM17US0286U  
 FM17CA0145U

## Power Specifications

Local Bus Power                      12 VDC at 210 mA

## Environmental Specifications

Ambient Temperature    -40 °C to +70 °C  
 Shock                              10 g half-sine wave for 11 ms  
 Vibration                        1 mm peak to peak from 2 to 13.2 Hz; 0.7 g from 13.2 to 150 Hz  
 Airborne Contaminants    ISA-S71.04 –1985 Airborne Contaminants Class G3  
 Relative Humidity            5 to 95% Non-Condensing  
 Terminal block key position    C1

**Note:** Refer to the product label for serial number and location and date of manufacture.

**Warning:** This product has specific instructions for installation, removal and operation in hazardous areas. Refer to document 12P5404 "*DeltaV™ Scalable Process System Zone 2 Installation Instructions*". Other installation instructions are available in the "*DeltaV™ S-series and CHARMs Hardware Installation*" manual.

## Removal and Insertion

Field power supplied to this device, either at the field terminal or as bussed field power through the Carrier, must be removed before removing or connecting the device.

An I/O loop assessment must be complete on all energy limited nodes.

This unit cannot be removed or inserted with system power energized.

A rotary keying system ensures compatibility between I/O cards and terminal blocks after installation is complete. The terminal block must have the keys set for the I/O card with which it is to be used.

## Maintenance and Adjustment

This unit contains no user serviceable parts and should not be disassembled for any reason. Calibration is not required.

## Other Safety Approvals

