

OFFICIAL MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

KJ3224X1-BA2 13P0137X022

Emerson official documentation applicable to this exact model

Source file: KJ3224X1-BA2.pdf

Applicable official manufacturer pages follow this Amikon cover without alteration.

KJ3224X1-BA2 THERMOCOUPLE/mV INPUT CARD SERIES 2

Hazardous Atmosphere



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



CL. I Div. 2 GP. A,B,C,D
CL. 1 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 12P2046 "*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

