MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

EMERSON

KJ3223X1-BA1 12P2871X022

DELTAV 16-CHANNEL ANALOG INPUT CARD

Used with the applicable DeltaV Series 2 traditional I/O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Emerson manufacturer documentation

KJ3223X1-BA1 2-Wire AI, 16-Channel, 4-20 mA Series 2 Card

Hazardous Atmosphere

II 3 G

Ex nA [nL] IIC Gc
Ex nA [ic] IIC Gc
FM13ATEX0034U
IECEx FMG 13.0015U

Power Specifications

LocalBus power rating	12 VDC at 150 mA
Bussed Field Power rating	24 VDC at 600 mA
Field circuit rating	24 VDC at 32 mA

Environmental Specifications

Ambient Temperature	-40 to 70° C
Shock	10g ½ Sinewave for 11 msec
Vibration	1mm Peak to Peak from 5 to 16Hz; 0.5g from 16 to 150Hz
Airborne Contaminants	ISA-S71.04 –1985 Airborne Contaminants Class G3
Relative Humidity	5 to 95% Non-Condensing IP 20 Rating
Terminal block key position	A2

Note: Refer to the product label for serial number and location and date of manufacture. Refer also to the wiring diagram on the left side of the card.

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 *"Installing Your DeltaV Automation System"* 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 may be removed or inserted while system power is energized under the following conditions: (**Note** Only one unit at a time may be removed with system power energized.)

- When used with KJ1501X1-BC1 System Dual DC/DC Power Supply operating on 24 VDC or 12 VDC input power. The primary circuit wiring inductance for input power must be less than 23 uH, or a certified supply with an open circuit voltage, Ui of 12.6 VDC and an Lo of less than 23 uH (including wire inductance).

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.

A terminal block fuse may NOT be removed with field power energized for non-sparking circuits.

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

FM APPROVED CL. I Div. 2 GP.A,B,C,D HAZ.LOC. TEMP. Rating T4

CE

CSA LR87534

EMERSON. Process Management