

KL2102X1-BA1 Wireless I/O Card (WIOC)

Hazardous Atmosphere



II 3G Ex ec IIC Gc
FM19ATEX0173U
IECEX FMG 19.0019U
FM21UKEX0017U



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

Power Specifications

| | |
|--------------|------------------|
| Input Power | 24 VDC at 400 mA |
| Output Power | 24 VDC at 100 mA |

Environmental Specifications

| | |
|-----------------------------|--|
| Ambient Temperature | -40 °C to +70 °C |
| Shock | 10g ½ Sinewave for 11msec |
| Vibration | 1mm Peak to Peak from 2 to 13.2Hz; 0.7g from 13.2 to 150Hz |
| Airborne Contaminants | ISA-S71.04 –1985 Airborne Contaminants Class G3 |
| Relative Humidity | 5 to 95% Non-Condensing |
| Terminal Block key Position | D2 |

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 12P5403 *"DeltaV™ Electronic Marshalling Digital Automation System (CHARM I/O Subsystem) 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

This unit cannot be removed or inserted with system power energized unless the area is known to be non-hazardous.

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

