

# KL2001X1-BA1 CHARMs Smart Logic Solver

## 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 325 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

**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

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

## 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

