# Model 2110R1 Barrier Device

# For Electrolab Model 2100 Digital Level Sensors

The Model 2110R1 Barrier Device is an intrinsically safe device that actively limits current and voltage to protect the Model 2100 Digital Level Sensors (Model 2100 DLS, RU Flex 2100 DLS, and Model 2100 DLS with High Level Shut-In) from power spikes and to maintain the sensor's intrinsic safety. The device conforms to UL 913 Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, Division 1 hazardous locations.





#### **FFATURES**

- Two-part connectors for ease of attaching and removing wires outside the box
- One device handles up to five Digital Level Sensors
- Spring loaded connectors to maintain contact pressure
- Highly reliable SMD components

## **SPECIFICATIONS**

Input Voltage: 12 - 15 VDC Input Current: 100 mA max

Operating temperature range: -40 °C to +60 °C

### **Electrical Parameters**

Max Output Voltage: 12.81 VDC Nominal I/O Voltage Drop: 5 VDC Max Output Current: 86 mA

#### **Dimensions**

Housing size: 7.7" x 7.7" square, 5.5" high

Mounting Plate Size: 5.5" x 5"

PCB Size: 5.5" x 4.0"

### **Product Classification**

Class I, Division 1, Group D Temperature Rating T4

## **Product Approval**

UL 913

CSA C22.2, No. 157

## Headquarters

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