

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.



FEATURES

- 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

159 Enterprise Parkway
Boerne, Texas 78006
1-210-824-5364 (phone)
1-888-301-2400 (toll free)

All rights reserved.
This document is subject to
change without prior notice.
The information in this
document provides a general
description of the product and
available options. Please
contact us for specific
technical options for your
application.

www.electrolabcontrols.com

Copyright© 2016, Electrolab,
Inc.

EL# 29086

