

WARNING
Explosion hazard
Follow installation instructions and do not operate with damaged parts. Observe all warnings and notes. This leaflet is intended for use by trained electricians only. Installation of this product should be done by qualified personnel and in compliance with all applicable rules and regulations.

Introduction

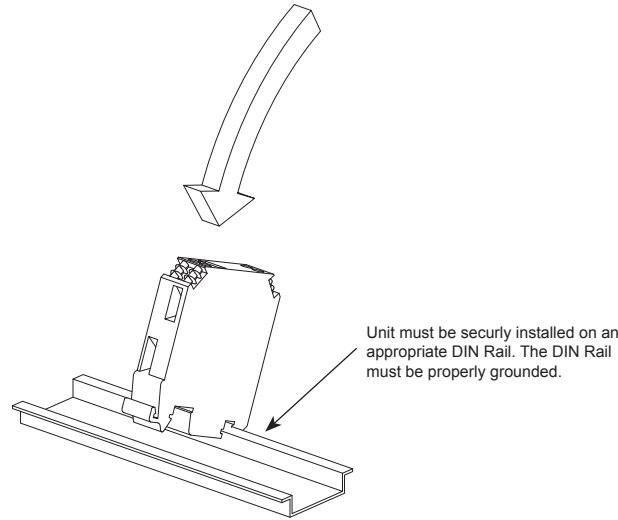
This module provides isolation for a circuit on the load side of the module to be rated as non-incendive. The ANIB allows the use of non-rated wiring to end devices in Class 1, Division 2 areas, subject to the allowances of the Electrical Code.

Must be installed in a suitable enclosure.

This device is designed to provide an electrical barrier between control devices and hazardous location devices. This is a non-fused device, a failure may cause it to fail in a shorted state.

Return line must be referenced to 0V, the PLC input must have a low resistance path the 0V. This is essential to the proper operation of the barrier in overvoltage situations. If a low impedance to 0V cannot be guaranteed on the return path, Wieland recommends the use of two barriers (one per signal) and to connect one of the return terminals on each barrier directly to ground.

Installation



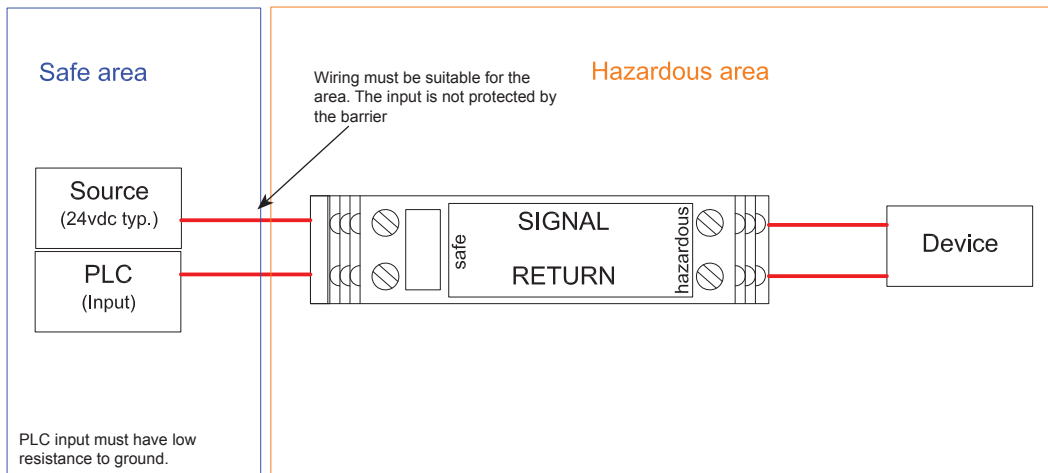
Specifications

Housing Material	Self-extinguishing polyamide
Degree of Protection	IP20
Temperature Range	-20°C to +40°C
Temperature Code	T3C (160°C)
Input Voltage Range	24 - 30 VDC
Maximum Output Voltage	35 VDC
Nominal Input Current	4 - 20 mA
Maximum Input Current	25 mA
Nominal Output Current	20 mA
Maximum Output Current	25 mA
Wire Gauge	22 - 14 AWG
Loop Resistance	252 ohms at 4 mA, (1.01 Vd) 187 ohms at 20 mA, (3.75 Vd)
Maximum Capacitance	Group A/B — 0.1 µF Group C — 0.3 µF Group D — 0.8 µF
Maximum Inductance	Group A/B — 11.9 µH Group C — 45.7 µH Group D — 94.8 µH

Approvals



Wiring Recommendations



Dimensions

