

I-9332 Intrinsically Safe Interface



Description

I-9332 Interface can match with explosion-proof devices, such as explosion-proof smoke detector, heat detector, combination smoke/heat detector or manual call point to form an intrinsically safe system.

Features and Benefits

- Photoelectric isolation technology for output signal, the interface is safe to use and can restrict the interference of industrial frequency
- Electronic addressing, which can be modified in field
- Microprocessor monitors running status
- Built-in safety barrier, connecting with explosion proof devices directly

Terminals

In "Intrinsically Safe Area", there are two terminals 3(+) and 4(-) of safety barrier, anode of intrinsically safe device connects with 3(+), and its cathode with 4(-).

In "Non-intrinsically Safe Area", there are four terminals. Z1, Z2 connects with loop, non-polarized. D1, D2

connects with 24VDC, non-polarized.

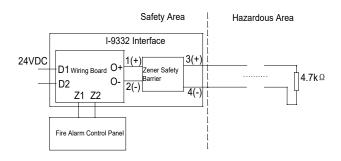
In addition, enclosure of the interface must connect to Ground trough the brass bolts.

Recommended Cabling

1.0mm² or above fire cable is recommended, laid through metal or flame-retardant conduit, but subject to local codes

The capacitance distributed among cables should not be over $0.083\mu F$, and the inductance distributed should not be over 4.1mH.

Typical Connection





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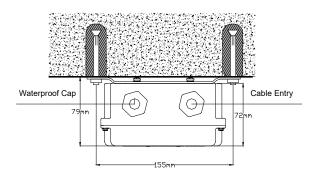


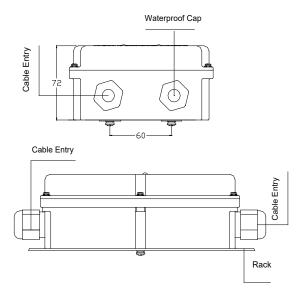
Installation and Application

The interface can be mounted on the wall with a mounting bracket, or directly mounted into rack with screws from back.

Warning:

This interface should be mounted in safety area. The wire from "Non-intrinsically safety" and those from "Intrinsically safety" should be separated from each other and be kept a certain distance (at least 50mm). Strictly follow the relative explosion-proof code when installing.





Technical Specification

Operating Voltage	Loop voltage: 24V Power voltage: 24VDC
Loop Current	Standby current≤0.5mA Alarm current≤5mA
Address Range	Electronically addressed, 1 ~ 242
Ingress Protection Rating	IP65
Internal safety barrier	U0=28V, I0=93mA, L0=4mH, C0=0.083 μ F
Environmental Temperature	-10°C ~ +50°C
Relative Humidity	≤95%, non condensing
Dimensions	201 mm×172 mm×79 mm
Material and Color of Enclosure	Cast aluminum alloy, silver grey
Weight	1kg
Mounting Hole Spacing	155mm or 60mm

Order Information

Part No.	I-9332
Device Name	Intrinsically Safe Interface
Product No.	10101571
Compatible Products	DC-9101(IS) Intrinsically Safe Smoke/Heat Detector DC-9102(IS) Intrinsically Safe Smoke Detector DC-9103(IS) Intrinsically Safe Heat Detector DC-9202(IS) Intrinsically Safe Manual Call Point

Accessories and Tools



Part No.: P-9910B

Device name: Handheld Programmer

Product No.: 10104894

