FIREGUARD GLOBAL LTD.
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UNIT 11 | CHANCEL INDUSTRIAL ESTATE | NEWHALL STREET | WILLENHALL | WV13 1NX | UNITED KINGDOM
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ISOLATOR BASE

General

The Isolator Base is an automatic switch that isolates a part of the loop with bidirectional protection. The Isolator base should be spaced between groups of sensors or modules in a loop to protect the rest of the loop. If a short occurs between any two isolators, then both isolators immediately switch to an open state and isolate the devices between them. The remaining units on the loop continue to fully operate. LED indicator available on the circumference to the status of the base without opening the detector

Features

- Low Standby Current.
- Easy to install
- Standard base dimension.
- Bidirectional protection.
- Low standby current.

Model: IQ 515 BI

Specification

Electrical Specification	
Min Supply Voltage (Vmin)	17V
Max Supply Voltage(Vmax)	28VDC, 37VPeak
Nominal Supply Voltage(V_{nom})	24VDC
Quiescent Current at 24V(I_c)	30µA
Leakage Current at 24V(I_L)	2 mA when isolating
Max Curent (through loop)(I_s)	1A continuous, 3APeak
Isolating Voltage (V_{co})	<14V
Maximum on resistance(Z_c)	0.02Ω
Re-connect Voltage(V_{oc})	14 ~ 16V
Dimensions	99 mm ø X 11mm H

DBI CERTIFICATION

Certificate No.: 2531-CPR-CSP11336

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Terminal Diagram

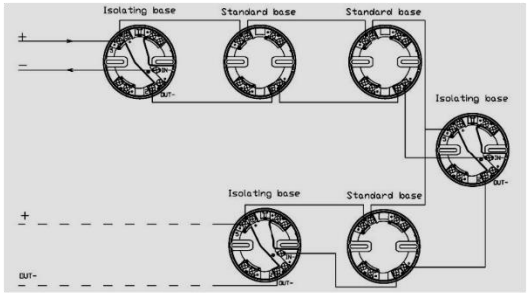

Figure 1 - Class A Wiring

Note: An Isolator Base can afford maximum of 32 detectors.

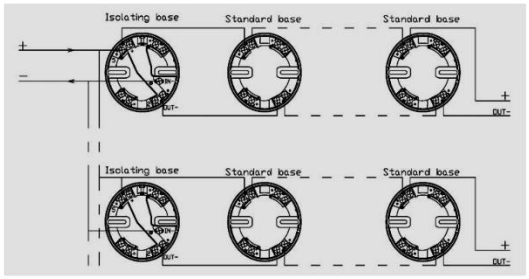

Figure 2 - Class B Wiring

Compatability Devices

Model	Description
IQ 568 Series	Detectors

Ordering Information

Model	Description
IQ 515BI	Fault Isolator Base