



DC-9504E Base Mount Isolator



Description

In loop type fire alarm system, it often occurs that partial short circuit of loop affects the whole system. DC-9504E Loop Isolator can isolate the shorted circuit from the complete loop to ensure normal operation of other parts and locate the isolated part.

The isolator is applicable to all kinds of loop fire alarm systems, suitable for Class A and Class B.

As a base type, the isolator can be used to replace a common base, to save installation and cabling.

Features and Benefits

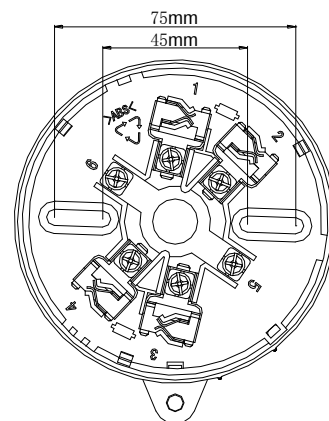
- Polarity-sensitive external connections. Input and output can be used inversely without direction.
- Delayed power-up to output end devices, avoids strong transient current when the load is heavy.
- Plug-in structure.

Certificates and Compliance

- Standards: CE / CPD / EN54-17
- Certifications: LPCB
- BS5839-1 Compliant
- WEEE & RoHS Compliant

Terminals and Installation Holes

Below figure shows terminals on the isolator base.



1, 3: Loop output cable, 1 is positive and 3 negative.

5, 6: Loop input cable, 5 is negative and 6 positive.

2, 4: Remote indicator output.

Recommended Cabling

1.0mm² or above fire cable is recommended, but subject to local codes.

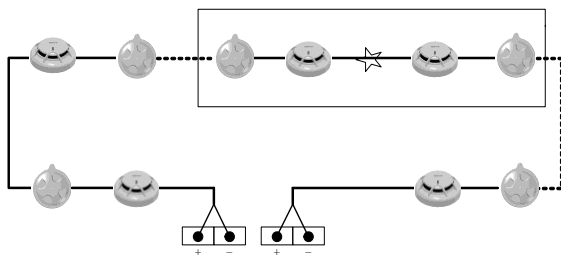
Application

The base mount isolator is usually installed instead of a detector base, and also can be mounted alone with a cover.

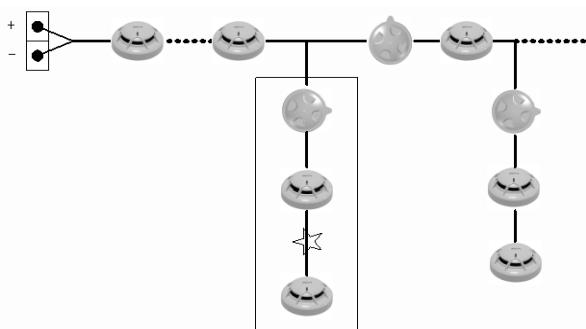
To ensure the operation of isolator and follow the EN54-17 standard, maximum 32 devices can be connected between each 2 isolators.

The loop can be Class A or Class B mode. Below figures show the loop schematic.

Class A:



Class B:



Technical Specification

Operating Voltage	24VDC
Standby Current	≤100uA
Capacity	Maximum 32 devices between every two isolators Maximum 128 isolators per loop
Indicator	Yellow, flashes when polling, illuminates in action.
Ingress Protection Rating	IP33 (with cover)
Operating Temperature	-10°C ~ +55°C
Relative Humidity	≤95%, non condensing
Material of Enclosure	ABS
Dimension	100mm X 39mm
Weight	About 100g

Ordering Information and Compatible Products

Part No.	DC-9504E
Device Name	Loop Isolator
Order Code	1245103
Compatible Panels	GST100 Intelligent Fire Panel GST200 Intelligent Fire Panel GST200-2 Intelligent Fire Panel GST200N Intelligent Fire Panel GST-IFP8 Intelligent Fire Panel GST5000W Intelligent Fire Panel GST5000R Intelligent Fire Panel
Compatible Detectors	I series intelligent detectors