



## C-9503

### Loop Isolator

In loop type fire alarm system, it often occurs that partial short circuit of loop affects the whole system. C-9503 Loop Isolator can isolate the shorted circuit from the whole system 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.

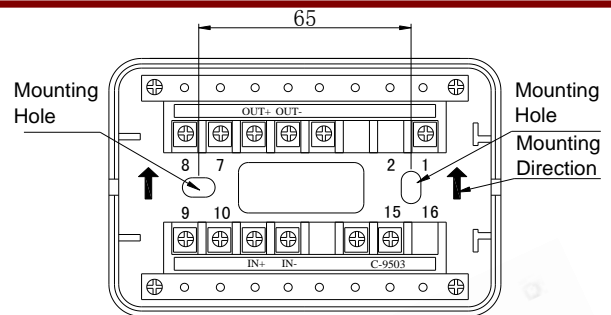


Fig.1

### Features

- 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.
- Standards: EN 54-17:2005 / UL864/NFPA [70, 72]

### Wiring

Fig. 1 shows terminals on the base.

IN+, IN-: Input cable, IN+ is positive, and IN- is negative.

OUT+, OUT-: Output cable. OUT+ is positive, and OUT- is negative.

### Recommended Cabling

17AWG~14AWG (maximum 14AWG) fire cable, subject to local codes.

### Application

The isolator is simply plugged onto the base after corresponding terminals are connected.

If the cable conduit is inside the wall, the base is installed onto the Back Box. If the cable conduit is on the surface of the wall, B-9310 Back Box is available

Note the upward arrow for mounting direction in Fig.1.

## Specification

Operating Voltage	24VDC (16VDC~28VDC)
Standby Current	≤3mA
Action Current	≤15mA
Capacity	Maximum 32 devices between every two isolators
Indicator	Yellow, flashes when polling, illuminates in action.
Ingress Protection Rating	IP30
Operating Temperature	32°F (0°C) ~ 120°F (+49°C) For indoor use / dry locations
Relative Humidity	≤93%, non condensing
Material of Enclosure	ABS
Dimension (L×W×H)	120mm×80mm×39mm (with base)
Weight	About 175g (with base)

## Accessories and Tools

Model	Name	Remark
B-9310	Back Box	Order separately

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