

# C-9503 Loop Isolator

#### **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]



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.

# **Connection and Cabling**

Fig. 1 shows terminals on the isolator.

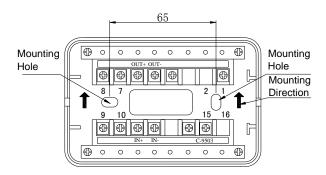


Fig. 1

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.

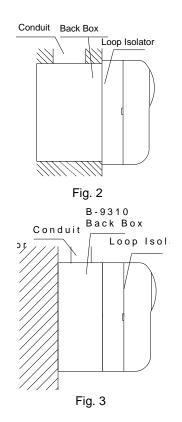


## Installation

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 (Fig. 2). If the cable conduit is on the surface of the wall, B-9310 Back Box is available (Fig. 3).

Note the upward arrow for mounting direction (Fig.1).



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## **Specification**

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

### **Accessories and Tools**

Model	Name	Remark
B-9310	Back Box	Order separately

# **Limited Warranty**

GST warrants that the product will be free of charge for repairing or replacing from defects in design, materials and workmanship during the warranty period. This warranty does not cover any product that is found to have been improperly installed or used in any way not in accordance with the instructions supplied with the product. Anybody, including the agents, distributors or employees, is not in the position to amend the contents of this warranty. Please contact your local distributor for products not covered by this warranty.

This Data Sheet is subject to change without notice. Please contact GST for more information or questions.

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