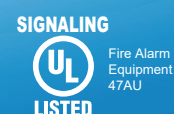


# DC-M9504

## Base Mount Short Circuit Isolator



### Description

In loop type fire alarm system, it often occurs that partial short circuit of loop affects the whole system. DC-M9504 Loop Isolator can isolate the shorted circuit from the complete loop to ensure normal operation of other parts and locate the isolated part.

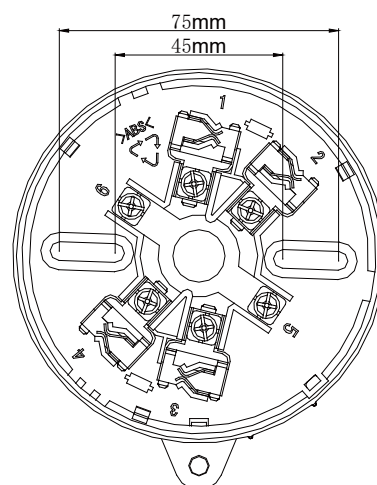
The isolator is applicable to Class A loop wiring.

As a base type, the isolator can be used to replace a common base, to save the cost of 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.

### Terminals and Installation Holes



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

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

2, 4: Connecting with remote indicator output.

#### Recommended Cabling

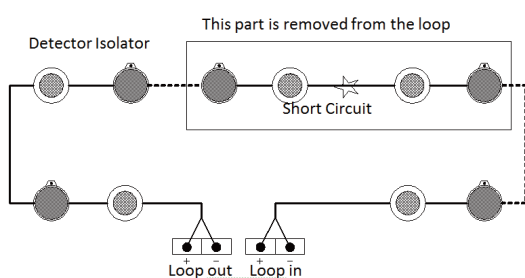
17AWG~14AWG (maximum 14AWG) fire cable, subject to local codes

## Application

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

To ensure the operation of isolator, maximum 70 devices can be connected between each 2 isolators.

Application of the isolator in Class A loop is shown below.



## Technical Specification

Operating Voltage	24VDC
Standby Current	≤ 150uA
Capacity	Devices quantity between 2 isolators should follow local codes but cannot exceed 70 devices.
Indicator	Yellow, flashes when polling, illuminates in action.
Ingress Protection Rating	IP33 (with cover) IP22 (without cover)
Operating Temperature	0°C ~ +49°C
Relative Humidity	≤93%, non condensing
Material of Enclosure	Flame-retardant ABS (PA-765A), white.
Dimension	100mm x 39mm
Weight	About 100g

## Certificates and Compliance

- Standards: UL864 / MFPA [72,70]
- Listed by UL
- WEEE & RoHS Compliant

## Order Information and Compatible Products

Part No.	DC-M9504
Device Name	Loop Isolator
Product No.	10105137
Compatible Panels	GST-M200 Intelligent Fire Panel GST-IFP4M Intelligent Fire Panel
Compatible Detectors	DI series intelligent detectors

IMPORTANT: This publication is a generic version in which product information is shown for informational purposes only and does not constitute a specific commitment or guarantee. We are constantly pursuing the improvement of product technology to improve product performance, for which we reserve the right to adjust the configuration and technical information of the related products without notice. In addition, the description of system performance in this publication applies only to the usual situation. As a result, there may be a variety of unpredictable special circumstances in the real world, so the realization of the relevant product performance will depend on the professional investigation and analysis and the design plan. Please contact us and we will be happy to provide you with professional advice.