

### Description

DB-M01 Detector Base is designed for a new generation D-series detector. It is suitable for both conventional and intelligent D-series detectors including UL-certified DI/DC-M9101, DI/DC-M9102, DI/DC-M9103 produced by GST.

### Connection and Cabling

DB-M01 base is shown in Fig. 2.

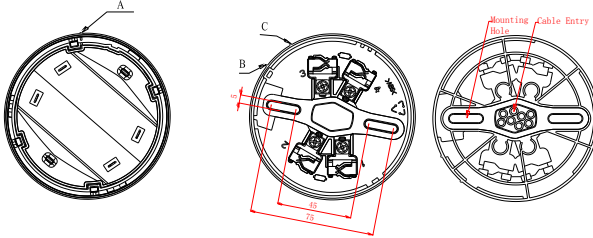


Fig. 1

Fig. 2

Please install the base with the following steps:

- 1) Locate the mounting holes on the rubber seal of the base according to the holes on the electrical junction box, and punch the holes with a screwdriver.
- 2) Count the number of cables needed and punch correct number of holes with a screwdriver on the rubber seal at the cable entry position. Thread the cables through the cable entry holes.
- 3) Install the base onto the junction box with screws.

**Warning: Do not punch mounting holes and cable entry holes bigger than needed. Do not punch more holes than needed.**

There are four terminals with number on the base. The following describes the specific connection.

#### 1) Connecting with Intelligent Detectors

"1", "3" are connected with loop of the control panel, insensitive-polarity; "2" is connected with anode of remote indicator and "4" with cathode of remote indicator. Please refer to Fig 3 for system connection.

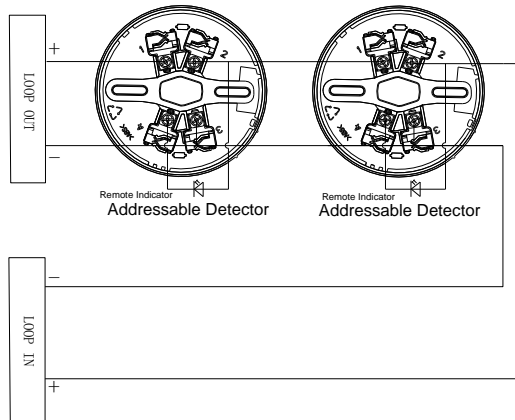


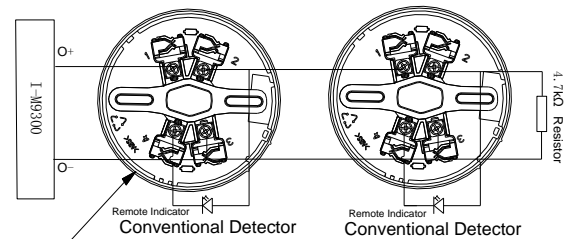
Fig. 3



#### 2) Connecting with Conventional Detectors

"1" is connected with output anode of I-M9300 module; "2" is used as output, connected with anode of next detector (Terminal 1) and also connected with anode of remote indicator; "3" is connected with output cathode of I-M9300 module and the cathode of next detector (terminal 3); "4" is connected with the cathode of remote indicator.

Between terminals "2" and "3" of the last base in the loop, there should be connected with a 4.7k/1w end-of-line resistor. Refer to Fig.4 for system connection.



**DO NOT USE LOOPED WIRE UNDER TERMINAL BREAK WIRE RUN TO PROVIDE SUPERVISION CONNECTIONS**

Fig. 4

### Installation

Installation and maintenance of the base should comply with the requirements of NFPA 72.

Fix the base with two tapping screws, and then align mark A on the detector with B on the base, rotate the detector to align mark A with mark C (Refer to Fig. 1 and 2 for the position of the marks), the detector will be fitted to the base.

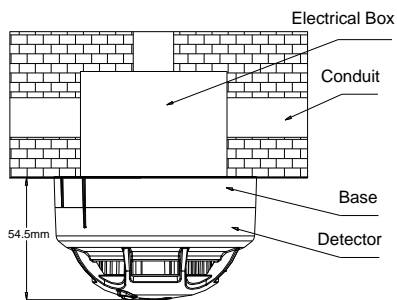


Fig. 5

### Specification

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Ambient Temperature             | 32°F (0°C)~100°F (+37.8°C)        |
| Relative Humidity               | ≤85%, non-condensing              |
| Material and Color of Enclosure | ABS, white (RAL 9016)             |
| Dimensions                      | Diameter: 100mm<br>Height: 16.5mm |
| Mounting Spacing                | 45mm-75mm                         |

### Limited Warranty

**GST** warrants that the product will be free from defects in design, materials and workmanship during the warranty period. This warranty shall not apply to 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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