DZ-03 Base
Installation and Operation Manual

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Gulf Security Technology Co., Ltd.

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I General

DZ-03 Base is used to mount conventional and intelligent smoke, heat and combination detectors as their conductive base. It' s made of flame-resistant plastic ABS, which is a UL94 listed material. It features attractive appearance, novel structure and stable performance. Its flame class is V-0. During installation, you can easily fix the base before connecting cables, and then twist the detector onto the base.

II Technical Specifications

1. Wiring: Polarized two-wire with power cable.
2. Operating Environment:
   Temperature：0℃~+37.8℃(UL268)
   -10℃~+50℃(GB4715-93)
   Relative Humidity：≤95%，no condensation
3. Dimension：Diameter：103mm Height：14mm
4. Material and Color：ABS，ivory white
5. Flame Class：V-0
6. Weight：About 54g
7. Mounting Hole Distance：45mm~75mm
8. According to Standard：UL268
   GB4715-93

III Mounting and Wiring

1. Appearance
   Appearance of the base is shown in Fig. 1.

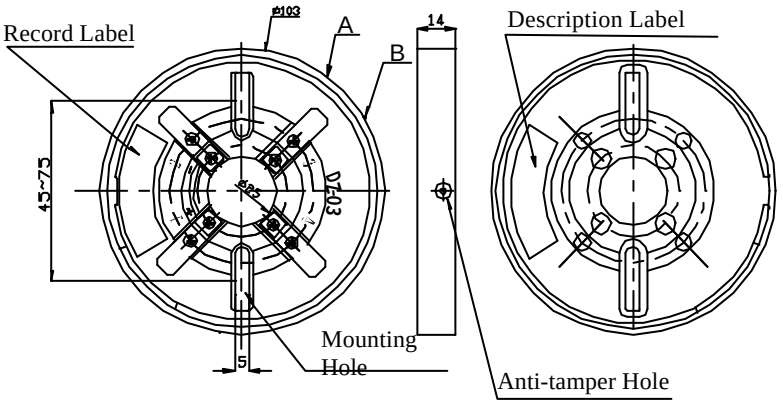


Fig. 1 Appearance of DZ-03 Base

2. Mounting Method
DZ-03 base can be fixed on an embedded box through its mounting hole with two

M4X12 cross recessed pan head screws. If an embedded box is not used, it can also be mounted on relatively soft structures like wood or ceiling with two M4X25 wood screws, or on hard structures like brick or cement with two Φ6 expansion bolts with plastic sleeves, as shown in Fig. 2 (a) and 2 (b).

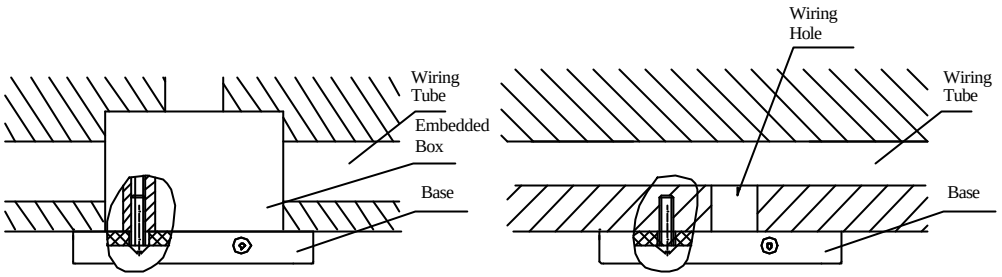


Fig. 2（a）Mounting with embedded box Fig. 2（b）Mounting without embedded box

3. Wiring

1) Wiring Method

As shown in Fig. 2, there are four terminals with numbers on the base, "1" connects with the anode of the output end of compatible controller, "2" connects with terminal No. "1" of the next base as output, "3" connects with terminal No. "3" of the next base and the cathode of the output end of compatible controller, "4" doesn't connect to any wires but is used to fix the detector accessorily. A 4.7k/1W terminal resistor can be connected between terminal "2" and "3" of the last base in a loop. Connection of the base into the system is shown in Fig. 3. There are two marks on point A and B of the orientation base, to ensure there is only one installing position.

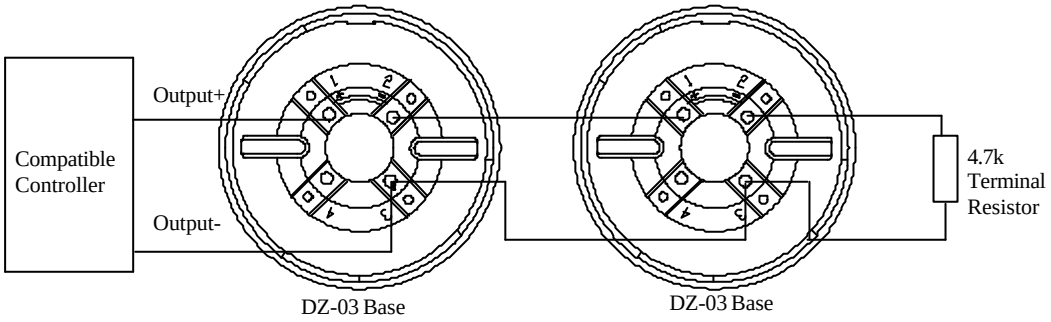


Fig. 3 System Connection

The base can be prevented from tamper by twisting a ST2.9×6.5 cross recessed pan head tap screw into the anti-tamper hole on one side of the base after mounting the detector onto the base. This screw can only be removed by special screw driver. Please note to use this function where necessary to avoid difficulty in maintenance.

2) Wires

227 IEC 06 cable with cross section not less than 1.0mm^2 can be used.

IV Cautions

1. Be careful not to damage the base during maintenance.
2. Please mount and maintain the base according to manufacturer' s instruction or relative national code to ensure it works properly.
3. The base should be checked at least once every year to ensure good contact with the detector.