

Description

DZ-912 detector base has low power consumption and loop powered to reduce installation cost. The normal base can be used with a detector. The detector can be mounted directly on the base.

It can be used with a bus-type fire alarm control panel. After receiving a start command given by the fire alarm control panel following an accident, the normal base will begin to work.



Features

- ✓ Meet EN54-3.
- ✓ It is installed by rotating, can be installed conveniently and reliably.
- ✓ Set the detector base and normal base as a whole, it can be equipped with AW-D301 smoke detector and AW-D302 heat detector, single point connection for detector.

Technical Specification

Executive Standard	EN54-3
Loop Input	DC24V(20-28V), ≤2mA(monitored status), ≤8mA(alarm status)
Power Consumption	≤0.2W@DC24V
Protection Class	IP21C
Operating Temperature	-10°C ~ +55°C Relative Humidity: ≤95% (non-condensing)
Material Body	Flame retardant PC/PC+ABS
Dimension	φ115mm×H44mm (with bracket), See Fig.1
Weight	about 169g

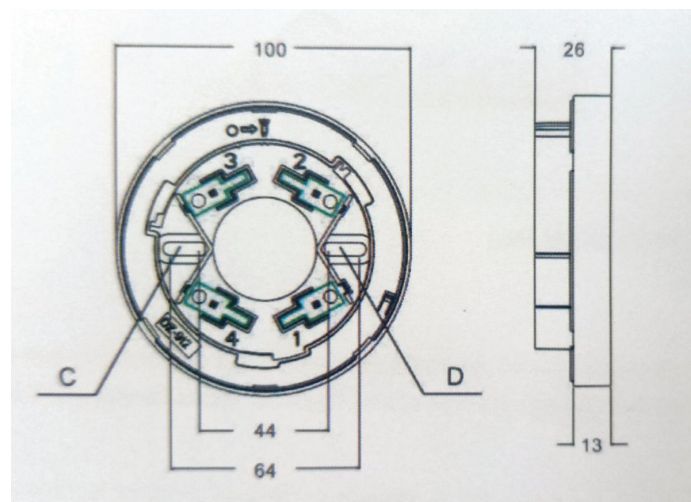


Fig. 1

Use and Engineering Application

1. Wiring: See Fig.2. The Normal Base is subject to a two-wire non-polarity connection: Terminals 1 and 3 are respectively connected with the terminals L1 and L2 of the loop bus of a compatible fire alarm control panel. Terminals 2 and 4 are respectively connected with the terminals 2 and 4 of AW-D302 (Heat Detector) or AW-D301 (Smoke Detector).

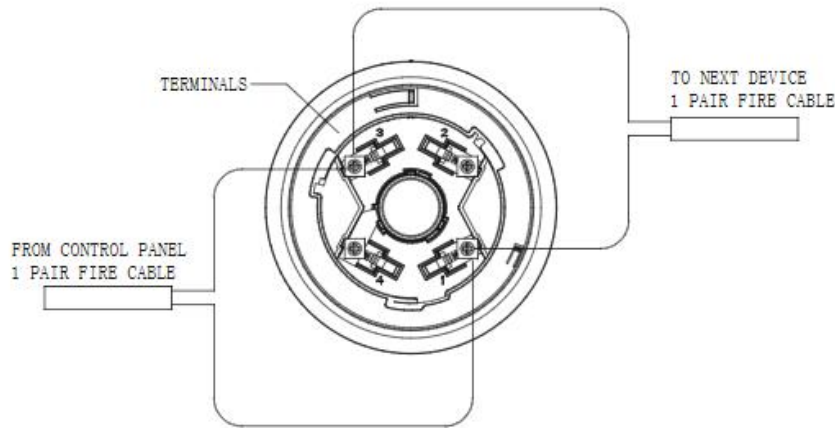


Fig.2

2. Coding address: The Normal Base must be encoded address by a special coder (CODER-F900E) before the installation. Fig.3 shows the wiring diagram of the Normal Base and coder. After wiring, press the “#” key to select “324” mode, set the coder with the coding function, then select the correct address number and press the “RUN/STOP” key to complete the address code setup. (Note: See the User’s Manual of the coder for the detailed operation.)

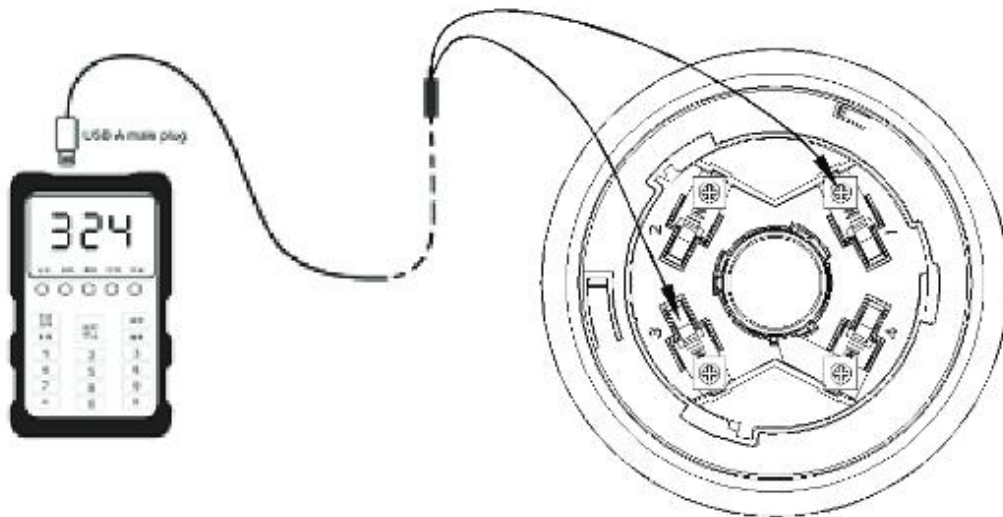


Fig. 3

3. Mode coding: The mode of the Normal Base can be set by the coder. The wiring method of setting mode is the same as the address coding. After wiring, press the "#" key to select "99A" mode, set the coder with the coding function, then select the corresponding code in the following table and press the "RUN/STOP" key to complete the mode setup. (Note: See the User's Manual of the coder for the detailed operation.)
4. Application: Fig.4 is a schematic diagram of the connection between multiple with a fire alarm control panel.

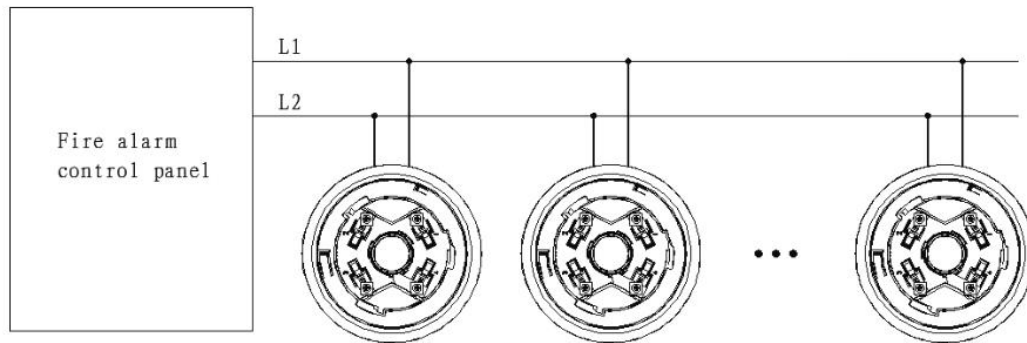
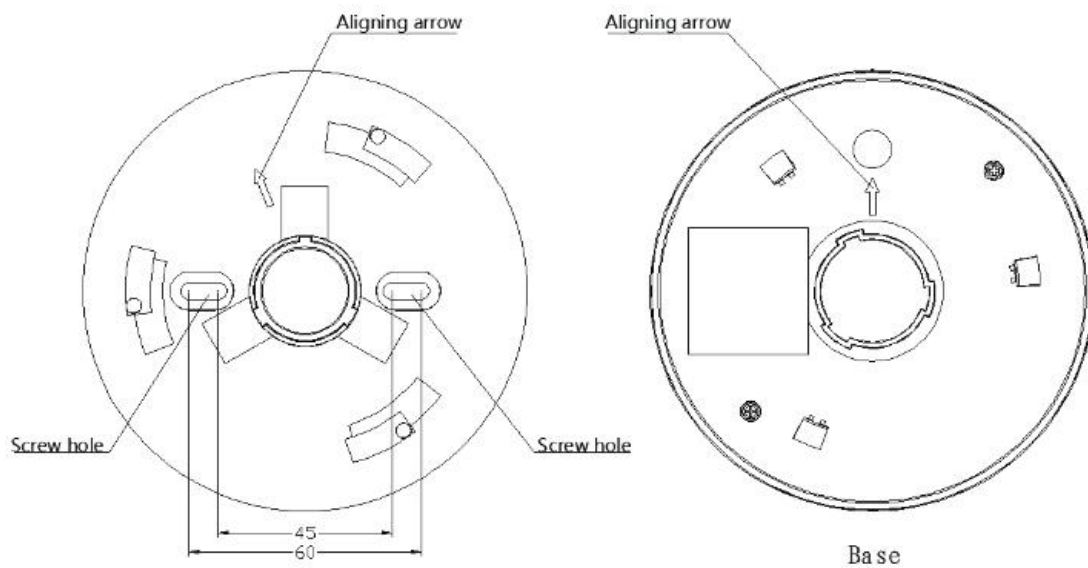


Fig.4

Installation



Definitions of terminals (non-polarity Two-wire system) 1->Loop terminal (L1/L2) 3->Loop terminal (L2/L1)
 Fig.5 Base and wiring diagram

- 1) Use two M4 screws to fix DZ-912 the bracket to ceiling via the two elliptic screw holes (see Fig.5).
- 2) Twist the base onto the bracket (pay attention to aligning two arrow).
- 3) Connect the bus cables with the terminal 1&3.