

P600BH

Sounder Base

Description

P600BH sounder base is a detector base with buzzer. When the detector connected with the same address sends out sound alarm, the fire alarm system will trigger the sounder base to send out sound alarm.

The communication line and power line of the sounder base all adopt non-polar wiring design, which is convenient for on-site wiring installation.

Specifications

Rated Voltage: DC24V.

Standby Current: 370μA@DC24V.

External Supply Voltage: DC24V.

Standby Current: 320uA@DC24V.

Alarm Current: 10mA@DC24V.

Sound Pressure Level: ≥ 75dB.

Applications: Indoor.

Operating Temperature: -10°C ~ 55°C.

Operating Humidity: 5% ~ 95%RH Non-condensing.

Dimension: φ108mm×29.7mm.

Weight: 103g.

Software Version: A.

Addressing

P600BH is an intelligent sounder base , each sounder base in the loop must be addressed, its address is set by address coder/decoder handheld programmer CP600M, address range: 1~230.

Please refer to the CP600M instructions for specific operations.

NOTE: The address of the sounder base must be the same as the address of the detector to which it is connected.

Terminal Description

The wiring terminals of the P600BH as shown in Figure 1 and its terminals are defined as follows:

+IN	Communication	+RA	Power
-IN	Communication	OUT	Power



Power Supply and Wiring

Power supply instruction

The design of the system is determined by calculated number of sounder base allowed in the loop according to the load capacity of the controller or power supply, ensuring that the sum of the current consumed by all devices in the loop does not exceed the load capacity of the controller or power supply. In the loop calculation, it is necessary to consider the voltage drop caused by the resistance of the line.

Resistance of general wiring sizes

1.0 mm² 19.5Ω/1000m

1.5 mm² 13.3Ω/1000m

2.5 mm² 7.98Ω/1000m

For example, if there are 10 devices in a certain area and each device needs 10mA, connect them with 1.5mm² lines of 2000m (total line length = line length in operation + line length returned), and the current at the end of the line is 10mA, then: Number of devices x terminal current x (total length of lines x wire resistivity) = voltage drop, 10 x 10 mA x (2000m x 13.3 ohms /1000m) ≈ 2.7V

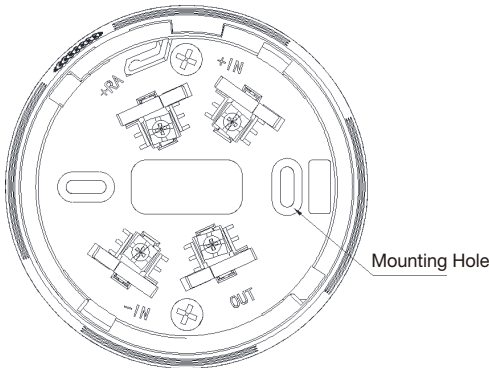


Figure 1: P600BH Sounder Base

Wiring

Wiring of the P600BH is shown in Figure 2:

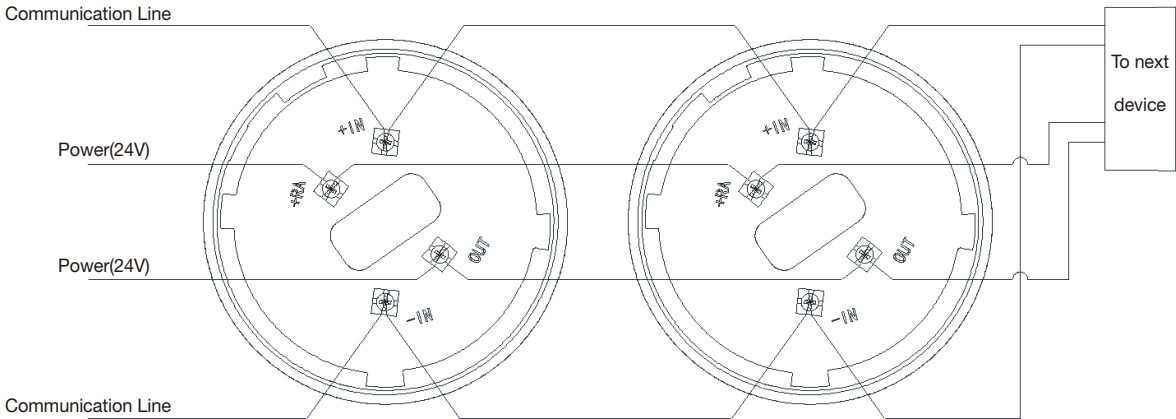


Figure 2: Wiring Diagram

Mounting

Use the address coder/decoder handheld programmer CP600M to address the sounder base. (The address of the sounder base must be the same as the address of the detector to which it is connected.)

Install the sounder base in the intended installation position.

Disconnect the power supply of the loop and wire according to the wiring diagram (Figure 2).

Install the detector on the sounder base (Figure 3) and the installation is complete.

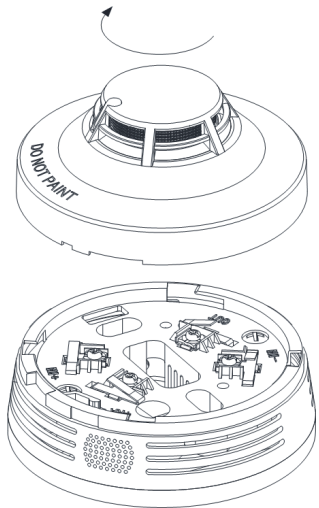


Figure 3: Mounting

Compatible Detector Models

Intelligent Photoelectric Smoke Detector	PW-600P
Intelligent Heat Detector	PW-600T
Intelligent Fixed + ROR Heat Detector	PW-600TR