

Cautions



ELECTRICAL HAZARD: Disconnect power from equipment prior to making any internal adjustments. Service should only be performed by qualified personnel.



FRAGILE: Inspect the equipment prior to installation. Do not install the equipment if damage is apparent. Do not attempt to disassemble this equipment. If damaged, return to the supplier.



ELECTROSTATIC HAZARD: This is sensitive electronic equipment. Apply safe ant-static practices when handling this equipment.



CIRCUIT LIMITATIONS: The maximum number of detectors connected to a single detection zone is limited by the control and indicating equipment, and may be limited by local regulations.



WARNING: THE LIMITATIONS OF ALARM DEVICES

NB560 alarm bells are designed to provide fire and security hazard warning. Bells may not work or operate properly if sprinkler piping being monitored for water flow is plugged with pipe scale, mud, stones, or other foreign material. Sprinkler systems should be checked regularly for such blocking material following the instructions in Chapter 10 of NFPA 25.

BELLS WILL NOT WORK WITHOUT POWER. Bells get their power from the fire or security panel monitoring the alarm system or AC circuit. If power is cut for any reason, the device will not provide the desired audible warning. Alarms generated by the activation of waterflow detectors or supervisory switches may not be received by a central station if telephone or other communication lines to the detector are out of service, disabled, or open.

BELLS MAY NOT BE HEARD. The loudness of the alarm device meets or exceeds current Underwriters Laboratories' standards. However, the bell may not alert a sound sleeper or one who has recently used drugs or has been drinking alcoholic beverages. The bell may not be heard on a different floor from the person in hazard or if placed too far away to be heard over the ambient noise such as traffic, air conditioners, machinery, or music appliances that may prevent alert persons from hearing the alarm. **THE BELL MAY NOT BE HEARD BY PERSONS WHO ARE HEARING IMPAIRED.**

If valves controlling the water supply to a sprinkler system are closed, vane-type waterflow detectors will not work and bells will not sound. All valves controlling a sprinkler water supply should be sealed or locked in the normally open position. The normally open position of the valve should be monitored by a valve supervisory switch.

General Description

The conventional alarm bell is sound alarm notification appliance which is powered by 2-wired DC 24V and indoor/outdoor use. For outdoor application, please use NB560 waterproof base.

These bells are intended to be connected to alarm indicating circuits of UL listed fire alarm control panels. They are polarized to enable supervision of the installation wiring.

This product can be mounted on wall installation.

Caution: When an alarm signal is emitted, it means there may be an emergency, and should be pay attention immediately.

Product Specifications

Nominal Voltage	Regulated 24 VDC
Operating Voltage Range	Regulated 16 VDC to 30 VDC
Operating Temperature	-31° to 150° F (-35° to 66°C)
Humidity Range	10% to 93%, non-condensing at 100° F (38°C)

Dimensions	6 inch
Mounting Box	standard 4 inch electrical box

Sound Level and Electrical Characters

Model	Maximum current@24V	Reverberant sound pressure per UL464(dBA) @24V
NB560	DC 32 mA /FWR - 32 mA.	92 dB

Wiring

In order to ensure that the total current consumption of the circuit does not exceed the maximum load current of the FACP, the device quantity must be considered in the design of the loop system.

Number of circuits is connected with the maximum number of notification products must calculate the loop line loss of voltage to ensure loop notification products work in rated voltage range, please refer to the corresponding FACP or other equipment installation instructions.

1. The total length of exposed each wire shall not less than 150mm. Strip the conductor insulation to expose the conductor, and dip it in tin.
2. Connect the conductors to the connect terminals.

The wiring circuit is shown in Figure 1.

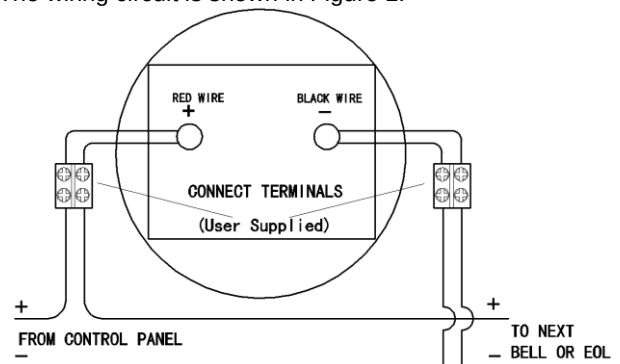


Figure 1. Wiring Diagram

Mounting Application Device

The top of the bell must be mounted a minimum of 90" above the floor, or within 6" of the ceiling.

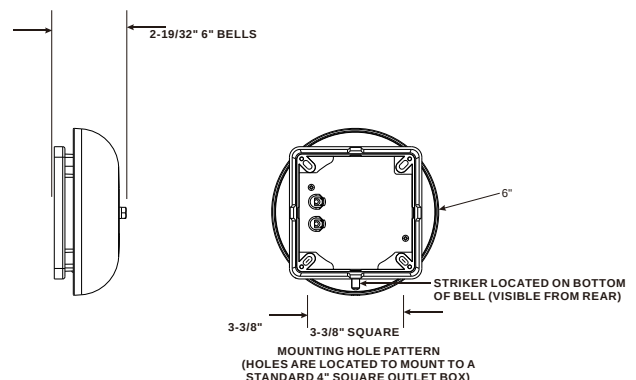


Figure 2. Mechanical Construction and Dimension

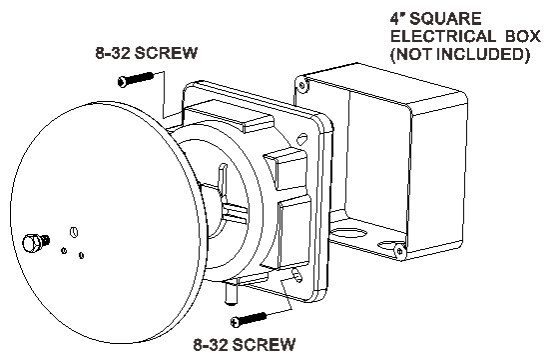


Figure 3. Surface installation

Products could be installed in standard square 4-inch double gang box.

1. Remove the Gong shell.
2. Refer to wiring section here.
3. After the completion of the wiring pull the cabled gently to ensure that its securing fastened.
4. Mount the product to backbox with 8-32 screws.
5. Assembled the gong shell back. Make sure the pins on the gong shell in located correctly on the product cover. See Figure 4.

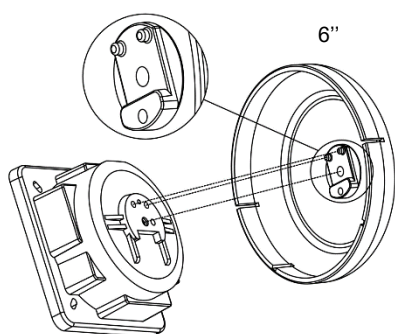


Figure 4.

Product mounting diagram shown in Figure 2 and Figure 3.

For outdoor application use, please use NB560 waterproof base. See Figure 5.

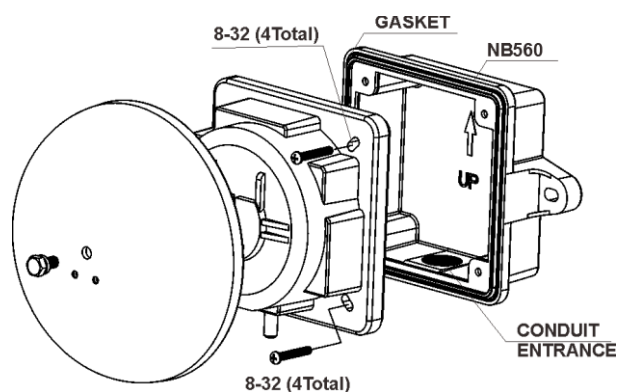


Figure 5. Weatherproof installation

Note:

Wire type: 18-12AWG,

Maximum tightening torque: 0.5Nm (4.4Lb.in).

Limited Warranty

Wizmart Technology Inc. declares that this product is free from defects in material and workmanship and it will repair or replace any product or part thereof which proves to be defective in workmanship or material for a period of twelve (12) months from the date of purchase but not to exceed eighteen (18) months from the date of manufacture. Please contact Wizmart Technology Inc. directly for a return merchandise authorization (RMA) number before returning goods under warranty. Shipment must be prepaid and Wizmart Technology Inc. will repair or replace the product if the failure was caused by a manufacturing defect.

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