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 devices connected to a single alarm zone is limited by the control and indicating equipment, and may be limited by local regulations.

Introduction

440 non-addressable alarm bells are suitable for connection to 2-wire and 4-wire fire detection and alarm systems. 440 alarm bells will operate with both addressable and non-addressable fire detection control and indicating equipment.

These instructions provide trained installation personnel with details to install and commission 440 alarm bells for optimum performance.

Preparation

Before commencing installation, ensure all equipment and tools to mount and connect the equipment are available, such as drills, mounting screws, cables and ladders.

Installation

Mounting Base

1.   Unscrew the gong from the body.
2.   Unscrew the body from the back-box (see Fig. 1).
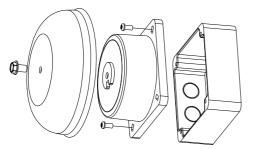

Fig. 1: Bell assembly (indoor type shown)

3.   Orient the base so when the body of the bell is re-fitted, the alarm hammer points downwards (see Fig. 2).
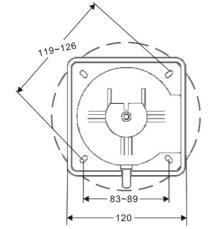4.   Mount the base to the wall using fixing screws that are suitable to securely fix the base to the surface.

Fig. 2: Base mounting dimensions (indoor type shown)

Wiring

The terminals accept (0.4 ~ 2.5) mm^2 conductors.

1.   Strip the conductor insulation to expose 5 mm of the conductor.
2.   Connect the conductors to the terminals as shown in Fig. 3.

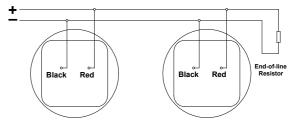**WARNING**: Take care to ensure the insulation does not get clamped by the terminal contact.

Fig. 3: Wiring connections

3.   Check the wiring for continuity, short circuits and earth faults.

Assembly

1.   Scree the body to the back-box.
2.   Screw the gong to the body (see Fig. 1).

Commissioning

Alarm Bell

1.   Ensure all releasing devices and extinguisher systems are disabled during the commissioning period.
2.   Configure the control and indicating equipment to supply power to the device in the Alarm condition.
3.   Activate an Alarm condition at the control and indicating equipment.
4.   Check that the alarm bell operates.
5.   Reset the control and indicating equipment.
6.   Check that the alarm bell stops operating.

Final Conditions

Ensure all the alarm signal services, releasing devices and extinguisher systems disabled for the commissioning are returned to their previous condition.

References

Document	Description
31-0020	440 non-addressable alarm bell datasheet

View the complete range of products at www.numens.com