

### 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

463 pull stations connect to non-addressable fire detection control and indicating equipment, or to addressable fire detection control and indicating equipment that can accept non-addressable devices<sup>1</sup>.

These instructions provide trained installation personnel with details to install and commission 463 pull stations 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

#### Unhinge Front Assembly

1. Use the key (supplied) to unlock the front assembly.
2. Open the front assembly to expose the back-box and wiring terminals.

#### Back-box

1. Feed the conductors through the rear of the back-box.
2. Securely mount the back-box to the wall surface using fixing screws and wall plugs. Fig. 1 shows the back-box mounting hole dimensions.

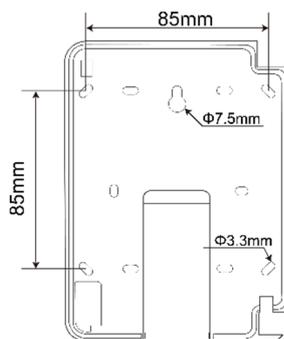


Fig. 1: Back-box dimensions

#### Wiring

The terminals accept (0.4 ~ 2.5) mm<sup>2</sup> conductors.

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



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

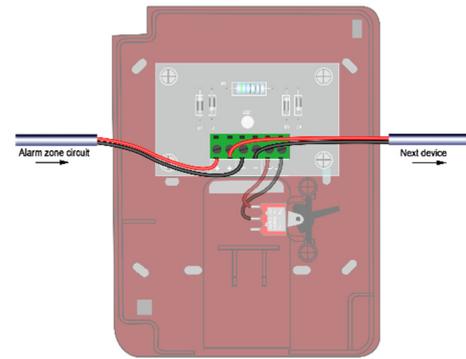


Fig. 2: 463 wiring connections

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

#### Assemble

Fit the front of the pull station to the mounting box and secure with the single screw.

### Commissioning

#### Pull Station

1. Ensure all the alarm signal services, releasing devices and extinguisher systems are disabled during the commissioning period.
2. Connect power to the pull station.
3. Operate the pull station by depressing the displacement element and pulling the handle downwards until it latches in place. The backlit word "ACTIVATED" will be exposed above the operating element. A black tab will be appear at the lower edge of the body. The normally-open switch in the unit will close.
4. Check that an alarm condition occurs at the control and indicating equipment.
5. Reset the pull station by inserting the key supplied and turning it 90° anti-clockwise to unhinge the front assembly. The operating handle will return to the quiescent position.
6. Reset the control and indicating equipment.

#### 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
31-0105	463 non-addressable pull station datasheet

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<sup>1</sup> May be used with the 620-002 contact input module.