



Important Safety Information



Danger of Death 230V AC
Lethal Voltage present on the AC supply to the 12V DC Power supply module. This unit must be connected to a 3A fused switched supply.



Isolate this unit before access for maintenance or any other purpose.



No user serviceable parts within case.



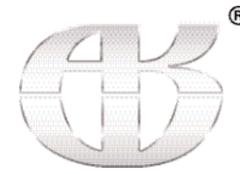
This product must be installed by a qualified and competent electrician and in accordance with the current edition of the Wiring Regulations BS7671.



The 12V DC supply module must be positioned in accordance with the zoning requirements for SELV power supplies as defined in the Wiring Regulations BS7671.

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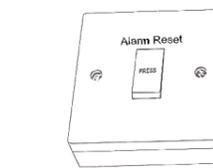


Patient Alarm System Instructions

Alarm System Components

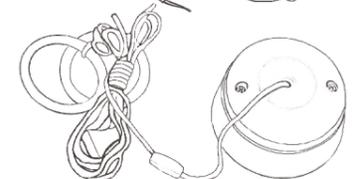
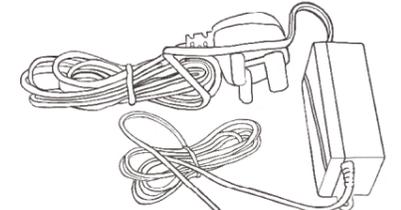
AL100
Stock code. 23143

Alarm Control Panel with mounting box



Alarm reset switch

Power supply, 12V DC



Red cord momentary action pull switch

Description

The alarm system allows patients to raise an alarm from within a closed room such as a toilet. The alarm has a green 'power on' light and a flashing red 'alarm' light accompanied by an audio signal when triggered. The alarm may be reset from the control panel or by the reset switch.

The reset and cord pull switches are located in the patient area. The control panel is located outside the patient area where it can be easily seen and heard by the carer.

Operation

When power is connected to the control panel the green light (1) is illuminated on the control panel.

The alarm is triggered when the patient pulls the alarm cord. The red light (2) will illuminate and flash on the control panel and an audible alarm will sound (3). The internal relay will also close contacts, communicating the alarm state to a remote control panel (if used).

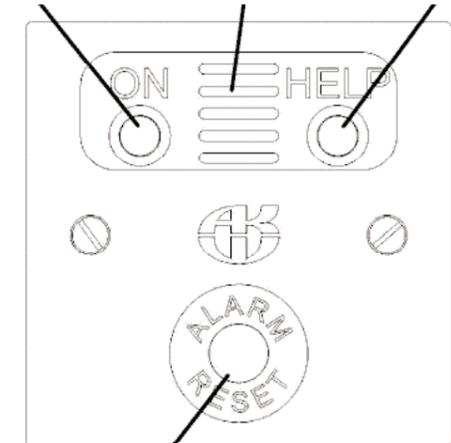
The alarm is reset when either:

- The patient presses the reset switch in the patient area or
- The reset button is pressed on the control panel(4).

Once the alarm has been reset the red light will extinguish and the audible alarm will stop.

Always ensure that the green light is on to ensure that the alarm is active.

(1) Green Light (Power) (3) Sounder (2) Red Flashing Light (Alarm)



(4) Alarm Reset Button

Fig.1
Alarm Control Panel

Installation

Component Location

Cord pull switch—this should be located in the patient user area within easy reach—see Fig.3.
 Reset switch—this should be located in the patient user area within easy reach of a wheel chair user.
 Control Panel—this is supplied with a surface mounting box for easy installation, it should be mounted outside the patient user area where it can be easily seen and heard by the carer.

Electrical Connection

The 12V DC power supply must be permanently wired to a dedicated 3A fused, switched spur or plugged into a dedicated 3A fused, 13A plug and 230V AC supply socket.



The power supply red wire must be connected to the (+) positive terminal, the black wire must be connected to the (−) negative terminal.

Ensure these wires are connected correctly.

The pull cord and reset switches can be connected using 2 core 'bell' wire, as they are not power cables.

See Fig.2 for PCB connection schematic.

Relay connection

The control panel is equipped with 24V DC, 2A connections which may be used for a door release system or other remote signalling system. See Fig.2 for PCB connection schematic.

- C—Common
- NO—Normally Open
- NC—Normally Closed

Remote Panel Connections

The control panel is equipped with connections G, P, R which may be used with a remote alarm panel located remote from the patient area. See Fig.2 for PCB connections to remote panel.

Volume Control

The alarm volume control is located on the control panel PCB, adjust this to the required level during installation.
 See Fig.2 for PCB layout schematic.

Refer to Installation Instructions above for connection details.

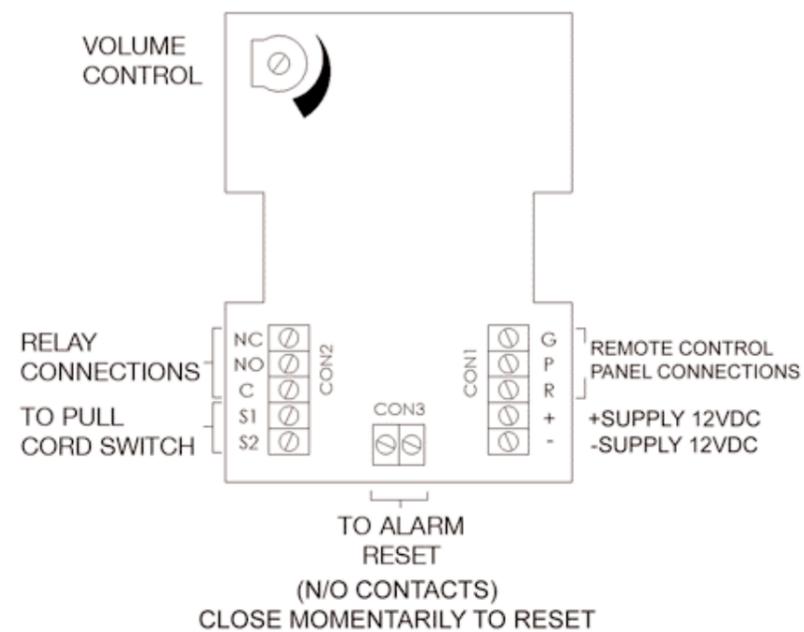


Fig.2
PCB Connection Schematic

Ensure all fittings comply with the current edition of the Building Regulations Document M

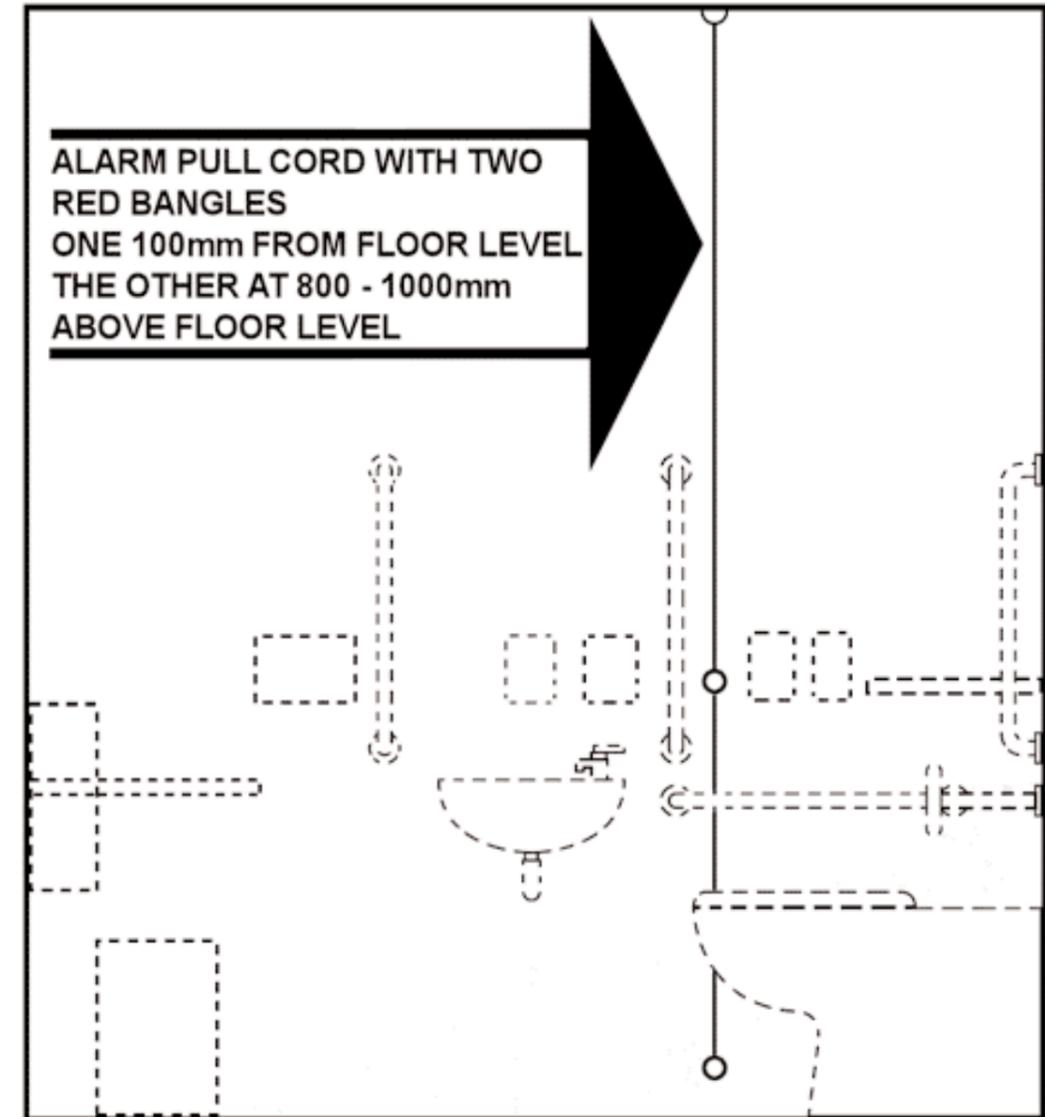


Fig.3
Installation

All of the fittings shown in this illustration, including ceramics- are available from AKW Medicare Ltd.