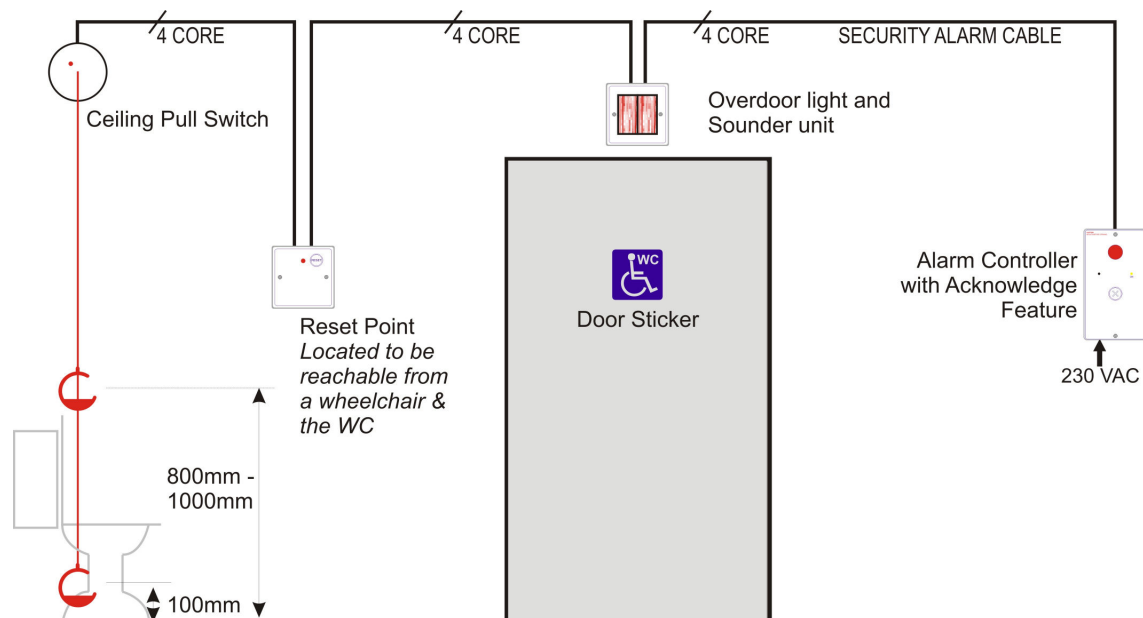




PROFESSIONAL DISABLED PERSONS TOILET ALARM KIT WITH ACKNOWLEDGE FEATURE



The **BS8300:2009** standard requires that all new disabled WC installations are fitted with an emergency assistance alarm. This Disabled WC Alarm Kit provides a compliant, reliable and easy to use disabled persons toilet alarm which contains the following devices:

Controller

Combined power supply and controller with reset button audible alarm & large diameter LED.

Ceiling Pull Switch with LED. Ceiling Mounted Pull cord with high-brightness LED.

Reset Point with LED. Reset Button & LED to reset calls locally.

Overdoor Light / Sounder. Triangular Lens with integral sounder, to attract attention.

Features

- Integral mains powered PSU.
- Relay Output option.
- **BS8300:2009** Acknowledge Feature.
- Includes Backup Battery.
- Powerful LEDs & Sounder.
- Supply Healthy LED.
- Reset Button Enable/Disable.
- Self Test Facility.
- Twin G-Pulls & LED.
- Reset Point With Re-Assurance LED.
- Overdoor Light With Sounder.

The **Controller** should be located so that it is easily seen & heard by people able to give assistance, & indicates where help is required. The unit is not suitable for exterior location unless suitably protected against water ingress.

The **Ceiling Pull Switch** must be located so that it can be operated from the WC and from an adjacent floor area. The Ceiling Pull Switch is supplied with two G pulls, one should be set a height between 800 – 1000mm & the other set 100mm above the floor level.

The **Overdoor Light / Sounder** should be located so that it is easily seen and heard by people able to give assistance and indicates where help is required. Normally above the door outside the WC.

The **Reset Point** should be located inside the WC area so that it is reachable from both a wheelchair and the WC.

Operation

In Standby, the Controller 'on' LED is lit and the sounder & LED are off. When the Ceiling Pull Switch is activated within the toilet area, the Controller audible sounder & LED will operate. The Overdoor Light / Sounder will also operate simultaneously. The call is reset at the **Reset Point** within the WC. Calls can be reset or acknowledged at the controller depending on system configuration. Acknowledged calls automatically return after 120 seconds until reset at the **Reset Point** within the WC.

Battery Life

The battery is continuously monitored using the 'on' LED when this is dim or extinguished, the battery should be replaced. Only use an **Alkaline Type A23** 12volt battery only which will typically provide 24 Hours standby.

System Expansion

Additional devices can be added to the disabled WC alarm kit: (Two extra ceiling pulls) or (One Ceiling Pull Switch and One Overdoor Light / Sounder)

Installation – First Fix

Electrical back-boxes are required for the following items and these must be ordered separately. The Controller requires a 35mm depth double gang flush box or 'round cornered' plastic surface box. The Overdoor Light and Reset Point require 25mm depth single gang flush box or 'round cornered' plastic surface box. The Ceiling Pull Switch is self-contained with its own surface mounting enclosure.

Installation – Controller Mains Wiring

All Mains wiring should be provided in accordance with the current edition of the IEE Wiring Regulations, or in accordance with the relevant national wiring regulations.

Connection to the mains supply MUST NOT be made with a plug and socket. The mains supply should be exclusive to this unit.

The general requirement for the mains supply to the Controller is fixed wiring, using 3 core PVC cable not less than 0.75mm², fed from an isolating switched fuse spur at 3 Amps. This should be marked appropriately and secure from unauthorised operation. All external wiring brought into the unit must be adequately insulated with PVC or Neoprene. If 3 core cable & a good quality plastic backbox is used, the earth connection MUST terminate to the marked earth terminal on the Controller PCB. If a metal back box is used, the earth connection MUST be also made to the earth bonding point on the back box.

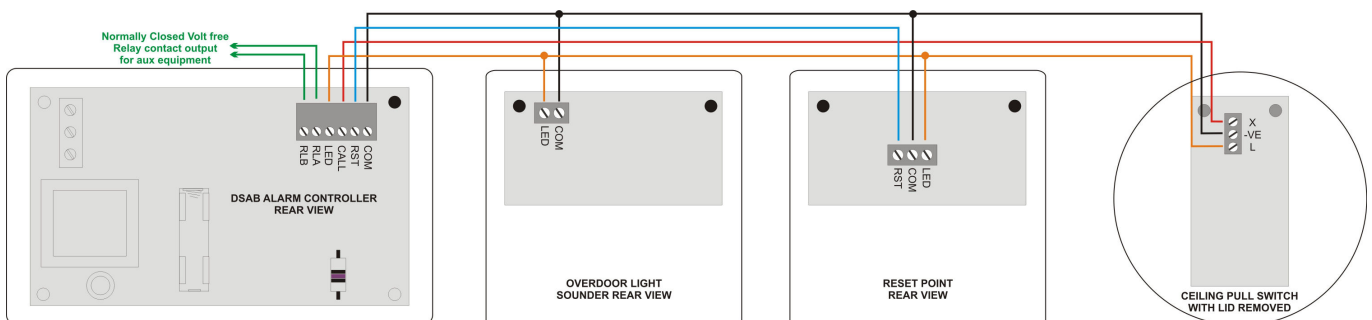
Installation – Low Voltage Wiring

All low voltage, wiring to the Controller must be carefully planned before installation commences. An example wiring configuration, showing how ancillary devices are connected to the unit, is shown below. Always segregate low voltage wiring from mains wiring. For simplicity, the low voltage connector can be pulled from the printed circuit board.

Low Voltage Cable

Use 4 or 6 core security alarm cable 7/0.2 or similar.

Typical system with wiring configuration



Please remember that this Disabled WC Alarm Kit does not include back-boxes, fixings, or tools.

Controller: Input 220-240VAC 2VA Internal thermal fuse / Output 12V DC Alarm typ: 90db@30cm. Doc: Y2386



Mode Drill-Out Acknowledge BS8300:2009

The controller reset button can be configured to act as an "Acknowledge" button as described in **BS8300:2009** to show an indication that assistance is on its way. The Acknowledged state remains for **120 seconds**, if the call has not been reset in that time the Calling status returns, so the call can only be reset from the point of call. To enable this feature, gently twist a 3mm drill bit between the finger and thumb to remove the MODE gold pad on top of the circuit board. **DO NOT DRILL THROUGH THE CIRCUIT BOARD.** If you enable the acknowledge feature, you must not drill out the RESET pad.

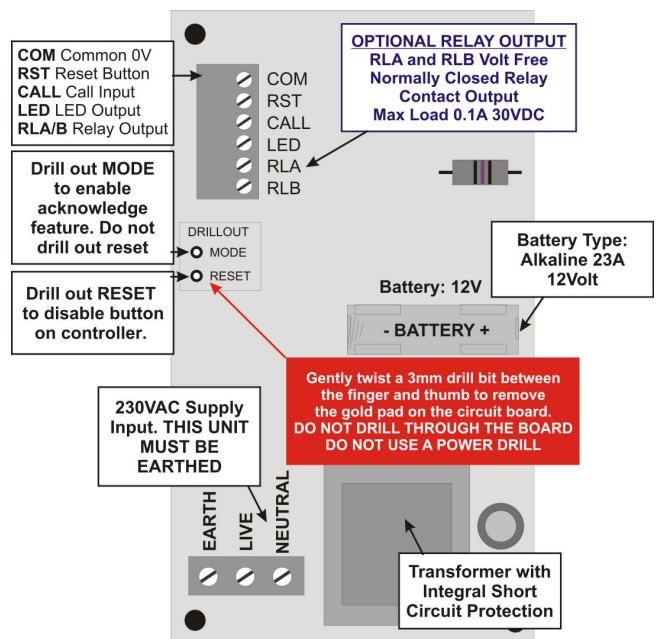
Reset Drill-Out

To ensure calls can only be reset within the WC area, the Reset Button on the Controller may be disabled. To disable, gently twist a 3mm drill bit between the finger and thumb to remove the RESET Gold pad on top of the circuit board. **DO NOT DRILL THROUGH THE CIRCUIT BOARD.**

Self Test

It is possible to confirm the operation of all sounders and LED lights in the system by pressing the reset button (on the Controller) twice in quick succession. Each light/sounder in the system will operate a test flash.

Power Supply / Controller with Relay Output



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