

CONTACTUM

Installation Guide

Disabled Persons Emergency Alarm Kit



Contents:

- Single Zone Call Control/Call answered unit c/w Sounder LED indicators and Braille lettering
- Remote Reset Unit c/w Sounder & call Answered LED indicators and Braille lettering.
- LED over door light/Sounder Unit
- Ceiling Pull Switch with LED indicator Pull Handles
- Disabled WC Sticker
- Inactive sticker
- M3.5 Fixing screws

IMPORTANT NOTES

Read the full instructions before installing the equipment.

General Information and Safety Instructions

Read This First

Check the pack and confirm you have all of the parts listed. If not contact the outlet where you purchased this product

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this system is fit for the purpose for which you have intended it.

Contactum cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

This System must be installed and maintained by a competent person, In accordance with the Building Regulations, making reference to the current edition of the IEE Wiring Regulations (BS7671).

The Batteries supplied with this unit are consumable parts and therefore may be outside of any warranty offered.

Suitable for indoor use only

When working at heights please use a suitable platform

Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).

If the location of your new system requires the provision of a new

electrical supply, the supply must conform with the requirements of the Building Regulations making reference to the current edition of the IEE wiring Regulations (BS7671).

This product is designed for permanent connection to fixed wiring via a fused connection unit with a 3Amp fuse.

Make connections to the electrical supply in accordance with the following code

Live - Brown or Red
Neutral – Blue or Black
Earth – Green and Yellow

You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed the installation there are electrical tests that should be carried out: these tests are specified in the wiring Regulations (BS7671). If in doubt consult a qualified electrician.

Specification

Model Number – DEA999

Mains Supply – 230-240Vac 50Hz

Rechargeable Battery back up – 9V NiMH PP3 250mAh

Sounder

Sounder active in Alarm and call answered mode

(Different intermittent sound in call answered mode 3 sec)

Sound at 30cm – Main controller 65db

Remote reset 65db

Over Door 78db

Alarm output – DC voltage through 1K Ω Resistor

Visual Indicators

Mains power on -Red LED

Fault -Amber LED

Call answered -Green LED

Over door -Twin blue LED's flash continually when alarm has been activated

Main control panel -Blue LED flashes continually when alarm has been activated,
-Blue LED flashes once every 3 seconds when call answer button
has been pressed

Pull switch - Red LED intermittent when alarm active

Unit Dimensions

Main control unit 147 x 86.5 x 35mm

Remote reset 86.5 x 86.5 x 13mm

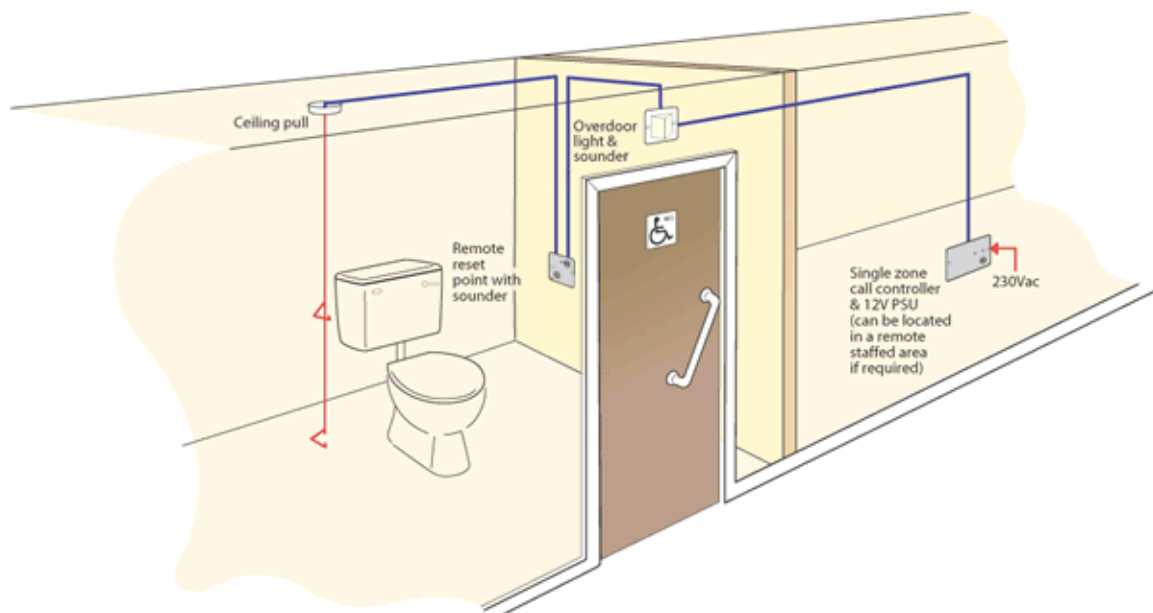
Over door light / sounder 86.5 x 86.5 x 38mm

Pull cord switch 89.5mm diameter x 26.5mm

Designing a system

The diagram below shows a typical layout for a good practise disabled person's toilet alarm system based on the recommendations of BS8300. It should be noted that the exact position of the devices shown can be varied to suit a particular application provided that the recommendations described are met.

Other/alternative standards of design and installation should be adhered to where pertinent



A typical BS8300 Clause Compliant Emergency Assistance Alarm

All system components should be sited internally in areas where they are easily accessible by the person(s) designated to use them.

Installation

Installation

This disabled alarm kit contains a control panel that is mains voltage powered (230v) Which should be fed from an isolating switched fused connection unit rated at 3A which is marked appropriately and secure from unauthorised operation?

All other items (pull switch, over door light/sounder, remote/call answered unit are connected in parallel by 2 core cables.

Units that are to be connected can be done so in any order from the output terminal of the main control panel via the input/output terminals of the individual components.

All low voltage wiring must be carefully planned before starting the job, always segregate low voltage wiring from mains cabling.

All wall mounted devices should be mounted onto a back box of the required depth. Assess the condition and construction of all mounting surfaces prior to installation and use a suitable fixing arrangement.

The recommended mounting height for reset buttons is between 750mm to 1200mm

Powering up self test

On initial power up the control unit will switch to diagnostic mode, if there are any problems the Amber fault LED will be illuminated (this indicates broken or damaged wiring)

Volume Control

A potentiometer on the printed circuit board of the main control panel will adjust the sounder volume

Reset / Link

A facility has been provided so that you can link out the reset button on the main control unit if required; this means if the alarm is activated then it can only be reset at the point of source i.e. the location where the alarm was triggered. If you choose to disable the reset function in the main control panel apply the “Inactive” sticker over the word “reset” on the front panel of the control unit.

Basic Operation

The Person in need of assistance can activate the alarm by pulling the red cord

The red LED will flash on the pull switch to show that the alarm has been activated

The light/sounder that is sited outside the door will alert people that assistance is required

The main control panel should be sited in an area where it can be heard and seen at all times, so that it will be noticed immediately if the alarm is triggered. When the alarm is triggered, the responding person can press the call answered button and this will change the tone of the alarm sounder and illuminate the green LED on the remote panel giving reassurance to the person in distress that assistance is on its way.

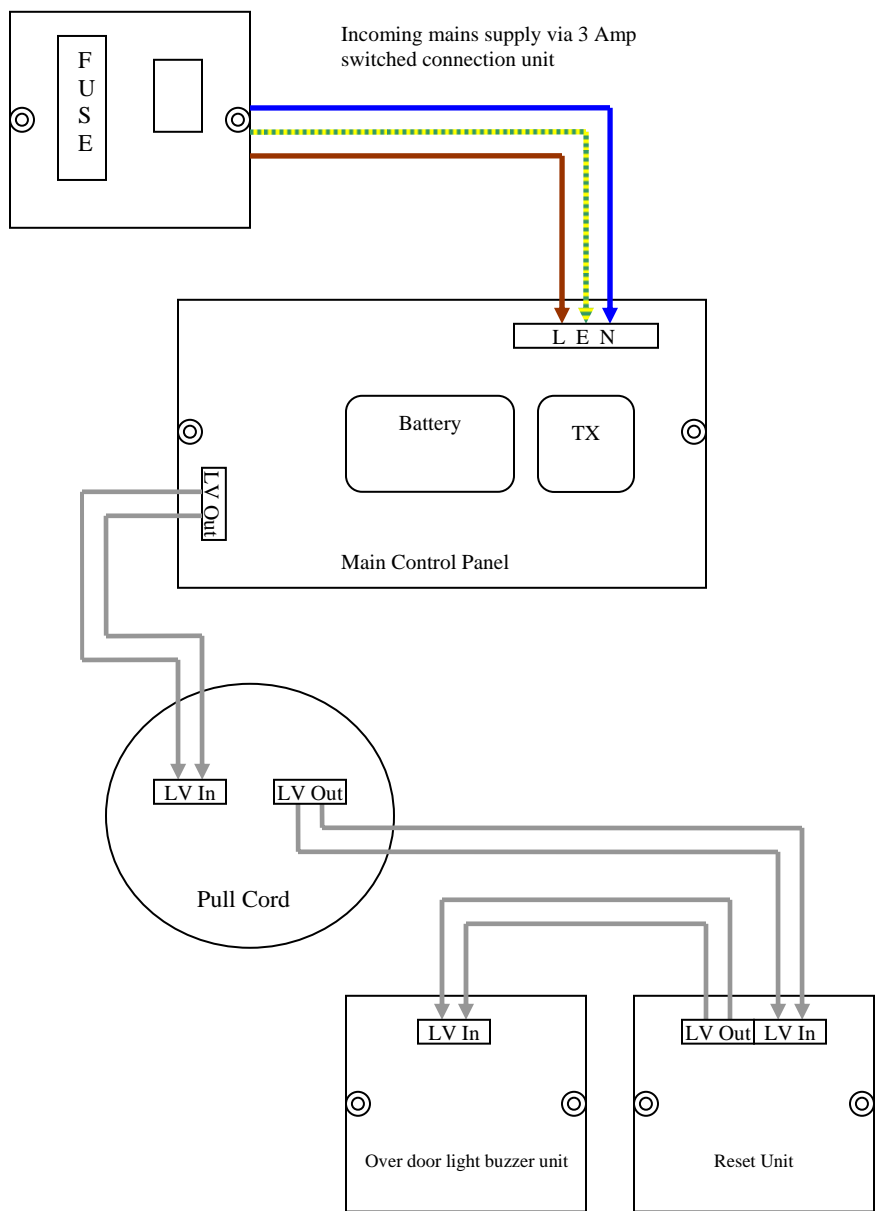
Ensure the remote reset unit is sited in a convenient position within the WC area. Once the call answered button on the main panel has been pressed the unit will flash and give an intermittent alarm sound.

Resetting the alarm

The alarm can be reset/cancelled or call answered by pressing the appropriate button on the main control panel. The reset and call answered buttons are also marked in Braille.

The alarm can be reset/cancelled by pressing the button on the remote unit that is sited in the WC area.

Wiring Diagram



LV = Low Voltage
LV connections are not polarised i.e. no +Ve or -Ve

Components can be connected in any order from the LV output terminal of the Main control panel

Contactum Limited

Victoria Works, Edgware Road
Cricklewood, London, NW2 6LF
T: 020 8208 7419 F: 020 8208 3340

sales@contactum.co.uk
www.contactum.co.uk