The Guardian Disabled Persons Call System has been designed for use in toilets and bathrooms and fully complies with the guidelines outlined in BS 8300:2009 + A1:2010. It quickly enables helpers to locate any person who is in need of assistance.

Multiple call points can be connected to central indicator panels as required. Systems can also be IP based to interface with Building Management networks and third party devices.

The system comprises of the following components. Plates are finished in white ABS or stainless steel as standard. Other plate finishes are available by request.
COMPONENTS

Ceiling Pull Cord

- White surface mounted ceiling pull unit, with a 3 mtr. Amber cord.
- Integral reassurance light.
- Supplied with 2 amber ring pull units.
- Designed to meet current DDA requirements

Reset Units

Stainless steel or white ABS front plate, fitted with the following components.
- Reset push.
- Reassurance light.
- Auxiliary input terminals for other closed contact devices.
- Plate size. 85 x 85 x 20mm

Over-door lamps

Stainless steel or white ABS front panel, fitted with the following components.
- Ultra bright LED’s.
- Integral sounder unit.
- Plate size. 85 x 85 x 25mm
• White surface mounted ceiling pull unit, with a 3 mtr. Amber cord.
• Integral reassurance light.
• Supplied with 2 amber ring pull units.
• Designed to meet current DDA requirements.

Stainless steel or white ABS front plate, fitted with the following components.
• Reset push.
• Reassurance light.
• Auxiliary input terminals for other closed contact devices.
• Plate size. 85 x 85 x 20mm

Stainless steel or white ABS front panel, fitted with the following components.
• Ultra bright LED’s.
• Integral sounder unit.
• Plate size. 85 x 85 x 25mm

Power supplies
• Power supply with integral indicator and sounder. Reset button can be disabled when the unit is not located locally to the toilet.
• Call acknowledgment push. (changes reassurances lamps to green)
• Integral backup battery provides continued operation in the event of a mains supply failure.
• Battery condition is monitored at all times.
• Operation of all sounders and lights in the system can be tested by pressing the reset button on the Controller twice in quick succession.

Graphical display panel with IP integration
• Ideal solution when fitting multiple disabled alarm systems.
• Full descriptive location display with backlight.
• Normally located in reception/staff area.
• Outputs for third party interface such as pagers and BMS.

OPERATION OF THE SYSTEM
The person requiring assistance will make a call by pulling the cord on the ceiling mounted unit, or activating the push button fitted to the wall. This will illuminate the following lights until reset:
1. A reassurance light on the call unit. This tells the person that the call has been registered.
2. The reset lamp on the reset unit associated with that call.
3. The over door lamp/sounder associated with that call.
4. Audible visual notice of a call being made will be given at the over door lamp sounder unit and will sound continuously until reset from point of origin.
5. If call is acknowledged at the master station, the reassurance lamp on the “reset unit” and over door unit/s will then move from flashing red to green. Acknowledged calls automatically return to call status after 120 seconds until reset at the Reset Point within the WC.

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SPECIFICATION

• Integral mains powered PSU.
• Relay Output option.
• BS8300:2009 Acknowledge Feature.
• Backup Battery.
• Powerful LEDs & Sounder.
• Supply Healthy LED.
• Reset Button Enable/Disable.
• Self-Test Facility.
• Plug-on Terminals to ease Installation.
• Twin G-Pulls & LED.
• Reset Point with Re-Assurance LED.
• Over-door Light with Sounder.

PROFESSIONAL DISABLED PERSONS TOILET ALARM
WITH ACKNOWLEDGE FEATURE
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 should be exclusive to this unit/system. Wiring to the Controller/Power supply should be done using 3 core PVC cable not less than 0.75mm, fed from an isolating switched fuse spur.

This should be marked appropriately and secure from unauthorised operation. the earth connection must terminate using the marked 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 schematic showing how single systems are wired is shown below. Other wiring diagrams are available for systems using multiple toilets. Always segregate low voltage wiring from mains wiring. For simplicity, the low voltage connector can be pulled from the printed circuit board. Only use 4 or 6 core security alarm cable 7/0.2 or similar.

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