MADE IN UK

Disabled Toilet Alarms

Our latest top-end systems offer fault monitoring, event log audit trails, and plan based GUI operator stations. Our BS8300 compliant disabled toilet alarm system provides cost-effective solutions built from standard and bespoke units. We offer stand-alone toilet alarms, multiple toilet alarms with remote monitoring and combined systems with disabled refuge EVC, fire telephone, building alarms, etc. Interfaces for BMS and transmission over IP are also available. Ideal for shops, offices, hotels, factories and similar locations.

- Choice of ceiling pull cords and vandal resistant call buttons activators
- Range of beacon/sounder annunciator units
- Reset inside toilet
- Activation delay to reduce risk of accidental activation
- Remote monitoring (can be monitored from Disabled Refuge EVC system)
- LAN interface
- Battery backed operation

Stand Alone Systems

The stand-alone system is an independent disabled toilets alarm system comprising one or more activators, (typically ceiling pull cords and/or emergency call buttons), one or more alarm annunciator, a reset unit and a battery backed PSU. We offer a range of disabled toilets alarm modules and can manufacture custom units to suit your requirements.

Disabled Toilet Alarms can only be reset at the stand-alone toilet system, requiring operators to attend the activated disabled toilet to cancel the alarm. The Disabled Toilets Alarm system has been designed for easy installation, simple configuration, straightforward operation, excellent testing facilities, low maintenance and high reliability.

Central Remote Monitoring Systems

Stand-alone disabled toilets alarms can be monitored by one or more remote indicator panels. In the event of alarm activation, each remote indicator panel emits an audible tone and displays a custom message identifying the source of the alarm. Remotely monitored systems are usually powered from a single battery backed power supply to ensure continued operation in the event of a mains failure.

All systems whether stand-alone or remotely monitored can be powered from a single battery backed PSU to provide continued operation in the event of a mains failure.

Extended Systems – Large Installation

Remotely monitored systems can be extended by the addition of system controllers. Each system controller can monitor up to 16-off stand-alone toilet systems. If required up to 16-off system controllers can be networked together to monitor up to 256-off stand-alone toilet systems.

Outputs indicating individual or global alarm activation can be provided at various points on the system for integration with BMS and other additional equipment. A network interface is also available for network alarm loggers, alarm monitors and BMS systems.

LAN Interface

A LAN interface is available to enable remote systems to monitor and record alarm activations and use existing network to minimize all cabling cost.
DISABLED TOILET ALARMS STANDARD COMPONENTS

STANDARD CEILING PULL CORD

PART: 7520.00

Features
- Microswitch activator
- Activation delay
- Integral alarm activated LED for user reassurance

Description
Ceiling pull cords are used by users to activate disabled toilets alarms. Usually one or more emergency call points and or pull cords are mounted inside the toilet to enable users to call for assistance. The unit is fitted with an LED that is illuminated on alarm to provide user reassurance. The pull cord must be held for at least 0.25 seconds to reduce the risk of accidental alarm activation.

STAINLESS STEEL PULL CORD

PART: 7520.00

Features
- Suitable for wall or ceiling mount
- Standard surface or flush 35 mm back box (not supplied)
- Microswitch activator
- Activation delay
- Integral alarm activated LED for user reassurance

Description
Pull cords are used by users to activate disabled toilets alarms. Usually one or more emergency call points and or pull cords are mounted inside the toilet to enable users to call for assistance. The unit is fitted with an LED that is illuminated on alarm to provide user reassurance. The pull cord must be held for at least 0.25 seconds to reduce the risk of accidental alarm activation.

CALL POINT

PART: 520.20 or 7520.25

Features
- Vandal resistant call button
- Activation delay
- Internal anti-tamper switch
- Can be flush or surface mounted in 35 mm single gang back box (not supplied)
- Available in brush finished stainless steel or white painted mild steel

Description
Emergency call points are used by users to activate disabled toilets alarms. Usually one or more emergency call points and or ceiling pull cords are mounted inside the toilet to enable users to call for assistance. These units are fitted with vandal resistant call buttons and an internal anti-tamper switches. Call buttons must be pressed for a minimum of 0.25 seconds to reduce the risk of accidental alarm activation.

The internal anti-tamper switches trigger alarms when the front panels are removed. The standard unit is annotated in red with the words CALL, alternative annotation is available on request. These units can be installed in standard 35 mm single gang flush or surface mount back box (not supplied).
CALL POINT WITH LED
PART: S20.20L or 7520.25L
Features
- Vandal resistant call button
- Reassurance LED
- Activation delay
- Internal anti-tamper switch
- Can be flush or surface mounted in 35 mm single gang back box (not supplied)
- Available in brush finished stainless steel or white painted mild steel

Description
Emergency call points are used by users to activate disabled toilets alarms. Usually one or more emergency call points and/or ceiling pull cords are mounted inside the toilet to enable users to call for assistance. These units are fitted with vandal resistant call buttons and an internal anti-tamper switches.

BEACON UNIT
PART: 7520.23
Features
- 20 mm LED beacon
- Can be flush or surface mounted in 35 mm single gang back box

Description
Beacon units are local alarm annunciators. One or more of these units is usually mounted on a wall at a strategic location outside the toilet to attract attention in the event of an alarm. The unit is fitted with a red LED beacon which illuminates to indicate that its associated alarm has been activated. The standard unit is annotated in red with the words ASSISTANCE REQUIRED.

BEACON SOUNDER UNIT
PART: 7520.40 OR 7520.26
Features
- 20 mm LED beacon
- Integral sounder
- Can be flush or surface mounted in 35 mm single gang back box (not supplied)
- Available in brush finished stainless steel or white painted mild steel

Description
Beacon sounder units combine the functions of beacon and sounder into a single unit. These units are usually mounted on a wall outside of the toilet to attract attention in the event of an alarm. These units are fitted with 20 mm red LED beacons and integral sounders. Alarm activation is indicated by illuminated beacons and activated sounders. The standard unit is annotated in black with the words ASSISTANCE REQUIRED.

RESET UNIT
PART: 7540.00 OR 7520.27
Features
- Vandal resistant reset button
- Can be flush or surface mounted in 35 mm single gang back box (not supplied)
- Available in brush finished stainless steel or white painted mild steel

Description
Reset units are used to reset activated disabled toilets alarms. These units are usually mounted on the wall inside toilet to try to ensure that an operator attends the location in response to an alarm. Reset units are fitted with vandal resistant reset buttons. The reset button must be held for a minimum of 0.25 seconds to reduce the risk of accidental alarm reset.
RESET UNIT WITH LED
PART: 7540.00L OR DT7520.27L

Features
- Vandal resistant reset button
- Alarm activated LED
- Can be flush or surface mounted in 35 mm single gang back box (not supplied)
- Available in brush finished stainless steel or white painted mild steel

Description
Reset units are used to reset activated disabled toilets alarms. These units are usually mounted on the wall inside toilet to try to ensure that an operator visits the location in response to an alarm. Reset units are fitted with vandal resistant reset buttons. The reset button must be held for a minimum of 0.25 seconds to reduce the risk of accidental alarm reset.

This standard unit is annotated in black with the word RESET, alternative annotation is available on request.

BEACON SOUNDER RESET UNIT
PART: 7540.00L OR DT7520.27L

Features
- 20 mm LED beacon
- Integral sounder
- Vandal resistant reset button
- Can be flush or surface mounted in 35 mm double gang back box

Description
Beacon sounder reset units combine the functions of alarm beacon, alarm sounder and reset unit into a single unit. These units are usually mounted on the wall outside the toilet to attract attention in the event of an alarm and to allow operator access to reset alarms. These units are usually supplied with vandal resistant reset buttons but can be supplied with keyed reset switches to prevent reset by un-authorized persons.

REMOTE INDICATOR PANEL
PART: 7540.00L OR DT7520.27L

Features
- LCD display
- Integral sounder
- Mute button
- Can be used to monitor up to 8-off toilets
- Can be used in conjunction with system controllers to monitor up to 64 toilets
- Surface or flush mount back box supplied

Description
Remote indicator panels display the current disabled toilets system alarm state. One or more of these units are usually installed in central monitoring station(s) or control room(s) to attract the attention of system operators in the event of an alarm. These units can be used to directly monitor up to 16-off toilets. They can also be used in conjunction with system controllers to monitor up to 64 toilets, please refer to sections 3 Monitored Disabled Toilets Alarm System and 4 Extended Disabled Toilet Alarms Monitoring System. Remote panel indicators can be daisy chained together to provide monitoring at multiple locations.

Remote indicator panels cannot be used to reset alarms. Disabled toilets alarms are reset at the toilet to ensure operators attends the toilets in response to an alarm. These units are fitted with a 16 character LCD display, an integral sounder, mute button and a global alarm output for use with additional equipment. The MUTE button is annotated in black with the word MUTE, alternative button annotation and panel annotation is available on request. This unit can be supplied with a flush or surface mount back box.
REMOTE INDICATOR PANEL KIT
PART: 7550.85

Features
- LCD display
- Integral sounder
- Mute button
- Test button
- LED fault indicator
- Monitors up to 8-off toilet alarms

Description
Remote indicator panel kits are mounted inside compact disabled refuge EVC master stations and display the current disabled toilets system alarm state. Compact disabled refuge EVC master stations are usually installed in central monitoring station(s) or control room(s) to attract the attention of system operators in the event of an alarm. The unit is fitted with a 16 character LCD display, an integral sounder, mute button and a global alarm output for use with additional equipment.

LED INDICATOR PANEL 4 ZONE
PART: 7550.04

Features
- 4-off 20 mm dome LED beacon (can be seen from the side)
- Integral sounder
- Suitable for mounting in 25 mm flush or surface double gang back boxes

Description
Indicator panels annunciate alarms and indicate which zones / toilets have been activated. LED panels provide a more cost effective means of monitoring alarms in small systems. These units are fitted with a sounder to alert staff and 4-off 20 mm red dome LED beacons to indicate alarm source. Dome LEDs can be seen from the side and are ideal for corridors etc. LED indicator panels cannot be used to reset or mute.

SYSTEM CONTROLLER
PART: 7550.82

Features
- Fully enclosed surface mount enclosure
- Monitors up to 16-off toilets
- Can be networked 15-off additional units to monitor a total of 64 toilets
- Can be networked remote panel indicators Outputs for BMS or other systems

Description
These units monitor up to 16-off stand-alone Disabled Toilet Alarms systems, and reports alarm events to remote indicator panels. System controllers are usually installed in central or distributed equipment rooms. The unit houses individual alarm state outputs for use with additional equipment. Up to 16-off controllers can be networked together to provide monitoring for up to 64-off toilet alarms.

IP CONTROLLER
PART: 1001-111 part of 7501

Features
- IP interface
- Reset button Built-in
- PSU with Standby batteries backups
- Compatible with IP remote monitoring
- Painted mild steel construction with Surface mount

Dimension & Specification
Fascia: Standard
Mounting: Surface mount TBA
Mounting: Flush mount TBA
Dimensions: Inside Control Panel
Power: 12VDC usually supplied by system PSU

Dimension & Specification
Fascia: Brush finished (SS)
Mounting: Double gang back boxes (NP)
Dimensions: Width: 146 mm, height: 86 mm
Power: 12 VDC supplied by system PSU

Dimension & Specification
Enclosure: White painted mild steel
Mounting: Surface mounting
Dimensions: Width: TBA mm, height: TBA mm
Power: 12VDC supplied from system PSU

Dimension & Specification
Mounting: Surface / wall
Dimensions: Width: 235 mm, height: 205, Power: 230 V ac (mains)
STANDARD NETWORK INTERFACE
PART: 7501.01
Features
- Connects to standard IP networks
- Allows remote devices monitor alarm status
- Allows remote devices to mute alarm sounder(s)
- Ideal for BMS integration, alarm loggers etc.

Description
The standard network interface enables remote devices to monitor alarm status and mute alarm sounders using the standard DT protocol. Special features / protocols for particular sites can be added on request. The network interface can be connected to dedicated or existing network infrastructure as required and enables integration with site or offsite alarm monitoring, alarm logging or alarm control systems e.g. BMS.

16 WAY ETHERNET I/O MODULE
PART: 7501.06 AND 7501.16
Features
- 16 way I/O Module
- Interfaces disabled toilets systems to network
- Allows remote monitoring of disabled toilet alarms.
- Built in 2-port switch for daisy chain topologies
- Runs on dedicated or existing networks
- Reduces infra structure costs etc.

Description
16 way I/O Module interfaces the disabled toilets alarm system with a network infrastructure, allowing remote monitoring by HMI devices. The unit has a 2 port switch to enable daisy chaining topologies if required. Check supply voltages for all units is 12V+-10%.

TRANSMISSION OPTIONS
Copper
Fibre
IP

INSTALLATION OF THE SYSTEM
Install appropriate cabling and test according to local regulations and procedures. For larger systems please consider signal loss etc. due to the length of cables etc. If in doubt please contact XTEC
Connect the equipment according to the termination diagram(s) provided by XTEC.
Connect the system to the mains supply. This should be carried out by a skilled, competent and authorized person.
Power up the system.
Check supply voltages for all units is 12V+-10%.

The system is not fully operational, until the battery backup units are fully charged.