

# TIMEGUARD®

## Emergency Assist Alarm Kit – Single Zone

Model: EASZKN



Installation & Operating Instructions

# 1. General Information

These instructions should be read carefully and retained for further reference and maintenance.

## 2. Safety

- Before installation or maintenance, ensure the mains supply to the alarm system is switched off and the circuit supply fuses are removed or the circuit breaker turned off. Remove all power sources when wiring any part of the system.
- It is recommended that a qualified electrician is consulted or used for the installation of this alarm system and install in accordance with the current IEE wiring and Building Regulations.
- Check that the total load on the circuit including when this alarm system is fitted does not exceed the rating of the circuit cable, fuse or circuit breaker.
- None of the units in the system should be subject to dripping or splashing liquids.
- To clean use a clean dry cloth only. Do not use liquid cleaners.

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The components of Class III construction, (Over-Door Light, Reset Unit and Pull Cord Unit), must only be used in conjunction with the supplied Single Zone Control Unit.
- Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- When installing the 26mm wall box for the control unit, choose the fixing holes to ensure clearance between the screw heads and the rear of the control unit.

### 3. Technical Specifications

- Control Unit Supply Voltage: 230V AC 50Hz
- Zone Components Supply Voltage: SELV (24V)
- This Control Unit is of class I Construction and must be earthed
- The individual components are class III and must not be earthed
- Maximum pull force on Pull Cord: 200N
- Pull Cord Length: 2m (including 2 red bangles)
- Reset button marking: Visually and with Braille
- Intensity of sounders:
 

Control Unit:	80dB at 30cm (continuous)
Over-Door Unit:	80dB at 30cm (continuous)
- LED Indicators:
 

Control Unit:	Green 'Power ON', Blue 'Alarm'
Over-Door Light:	Blue illuminates during alarm only
Reset Unit:	Blue illuminates during alarm only
Pull Cord Unit:	Blue illuminates during alarm only
- Angular Coverage of Indicator: 180° on Over-Door Unit
- Operating Temperature: +5°C to 40°C
- IP Rating: Intended for indoor use only
- CE Compliant
- Dimensions:
 

Control Unit:	H=85mm, W=145mm, D=33mm
Over-Door Unit:	H=85mm, W=85mm, D=32mm
Reset Unit:	H=85mm, W=85mm, D=29mm
Pull Cord Unit:	H=85mm, W=85mm, D=30mm

## Wall box minimum depth requirements – All Components:

Component	Minimum Depth Requirement
Single Zone Control Unit	26mm
Over-Door Light	26mm
Reset Unit	26mm
Pull Cord Unit	26mm

- Features inside moulded dry lining back boxes may cause interference with the product.
- In the event of interference, the problem feature should be carefully trimmed with a blade or cutters. To ensure correct installation an MK or Centaur deep dry line box should be used.
- The components of Class III construction, (Over-Door Light, Reset Unit and Pull Cord Unit), must only be used in conjunction with the supplied Single Zone Control Unit.

## 4. Contents

- 1x Single Zone Control Unit
- 1x Over-Door Light
- 1x Reset Unit
- 1x Pull Cord Unit
- 1x W.C. Sticker
- 1x Instruction Manual

## 5. Installation

### Important:

- Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- Connect the Safety Extra Low Voltage (SELV) wiring first.
- Connect the mains wiring last.
- When installing the 26mm wall box for the control unit, choose the fixing holes to ensure clearance between the screw heads and the rear of the control unit.
- For fixing to standard 26mm wall box using the screws provided.
- An isolation switch should be installed to enable the power to be switched ON and OFF for maintenance purposes. (Fuse 3A BS1362).
- For permanently connected apparatus either provided with an all-pole mains switch or an all-pole circuit breaker, the installation shall be carried out in accordance with all applicable installation rules.
- Where an all-pole mains switch or an all-pole circuit breaker is used as the disconnect device, it shall have contact separation of at least 3mm in each pole and shall disconnect all poles simultaneously.

### 5.1 Single Zone Control Unit:

Mains Wiring (Important): This should be sited (following the recommendations of the BS8300 code of practice to meet the needs of disabled people) where it can best attract the attention of an appropriate person or member of staff.

An example of this is near a reception desk in view of a receptionist.

- Having located the installation site, install a flush or surface mount double gang wall box (see wall box minimum depth requirements for details).
- Pass the 230V AC 50Hz mains supply cable (1mm<sup>2</sup> twin and earth) into the wall box.
- Terminate the cables into the Control Unit marked 'L' and 'N' ensuring correct polarity is observed and that all bare conductors are sleeved (See section 6. Mains Voltage Wiring).
- Connect the incoming earth wire as follows;

NOTE: This is a class 1 apparatus if a metal box is used and therefore the earth wire MUST be connected to the earth terminal of the metal box itself. If a plastic box is used, connect the earth wire to the Earth connector marked on the Control Unit.

### **Safety Extra Low Voltage Wiring (SELV)**

**Important:** Ensure that the low voltage wiring is kept well away from mains wiring. The low voltage wiring must be tied to each other using the tie wrap provided to overcome clearances and to be held secure from creepage distances if any wiring becomes detached.

- Pass the extra low voltage two core cable into the wall box and connect to the terminals marked 'OUT' on the control unit (see section 7. Extra Low Voltage Wiring). The system is not polarity conscious.
- The interconnections should be made with suitable low voltage cable such as bell wire or alarm cable with copper conductors of at least 7/0.2mm.
- Fit the Control Unit to the wall box and secure using the two fixing screws provided.

## 5.2 Over-Door Light:

**Important:** This should be sited to attract appropriate personnel to the area where assistance is required. An example of this is above the cubicle door of the toilet.

- Having located the site, install a flush or surface mount single gang wall box (see wall box minimum depth requirements for details).
- Pass the extra low voltage two core cable from the Control Unit through the wall box and connect to the terminals marked 'IN' (See section 7. Extra Low Voltage Wiring).
- Bring a further extra low voltage two core cable into the wall box and connect to the terminals marked 'OUT'.
- Fit the Over-Door Light to the wall box and secure using the fixing screws provided.
- Fix the W.C. sticker to cubicle door.

## 5.3 Reset Unit:

**important:** The BS8300 recommends that this should be sited on a wall such that for a toilet it can be reached from the W.C. and a wheelchair. The recommended height is between 750 and 1200mm above the floor and horizontally it must not be mounted closer than 350mm to any corner.

- Having located the site, install a flush or surface mount single gang wall box (see wall box minimum depth requirements for details).
- Pass the extra low voltage two core cable from the Over-Door Light through the wall box and connect to the terminals marked 'IN' (See section 7. Extra Low Voltage Wiring).
- Bring a further extra low voltage two core cable into the wall box and connect to the terminals marked 'OUT'.



- Fit the Reset Unit to the wall box and secure using the fixing screws provided.

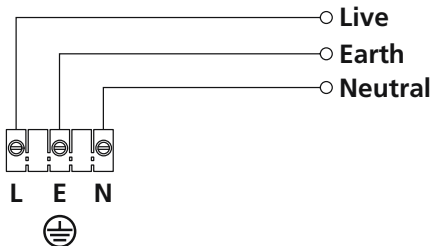
## 5.4 Pull Cord Unit:

**Important:** The BS8300 recommends that this should be sited on the ceiling such that for a toilet it can be operated from the W.C. and an adjacent area. The lower handle should be set 100mm above the floor (knot and trim off excess cord) and the upper handle should be set between 800 and 1000mm above the floor (knot the cord at the required height).

- Having located the site, install a flush or surface mount single gang wall box (see wall box minimum depth requirements for details).
- Pass the extra low voltage two core cable from the Reset Unit through the wall box and connect to the terminals on the Pull Cord Unit (See section 7. Extra Low Voltage Wiring).
- Fit the Pull Cord Unit to the wall box and secure using the fixing screws provided.

## 6. Mains Voltage Wiring:

**230V AC 50Hz  
MAINS SUPPLY**



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### **230V 50Hz Mains Supply**

Live Supply (Brown or Red) to

**L**

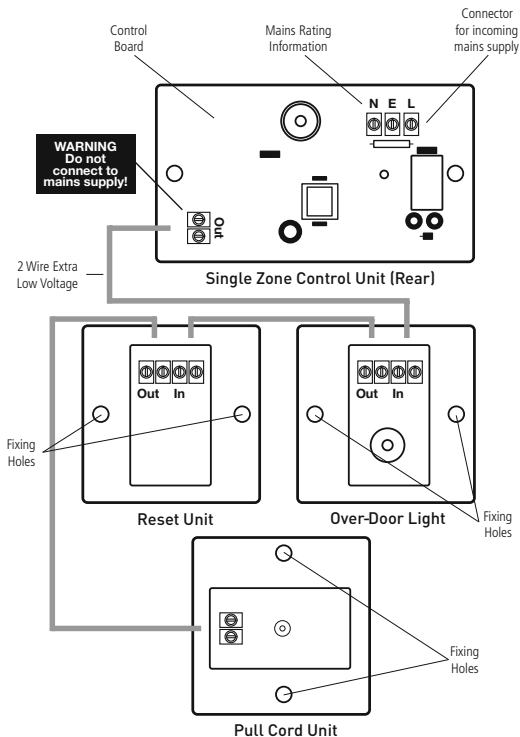
Neutral Supply (Blue or Black) to

**N**

Earth Connection (Green/Yellow) to



## 7. Extra Low Voltage Wiring:



Components must be wired in the order shown above

## 8. Commissioning:

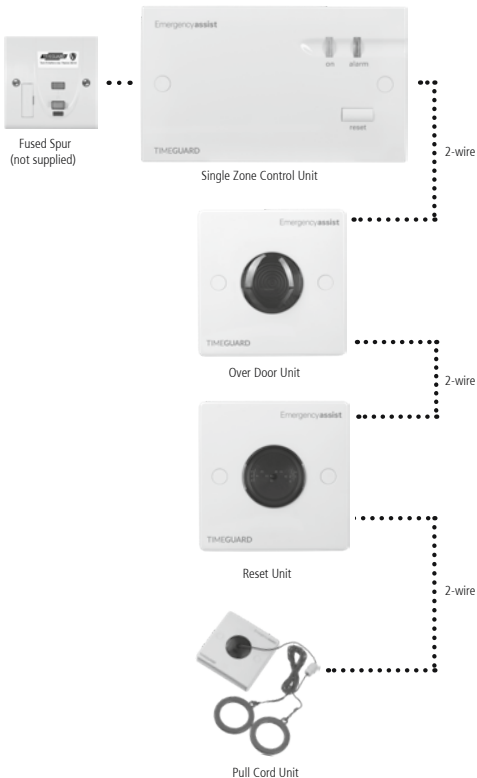
- Switch on the 230V AC 50Hz mains supply to the Control Unit and check that the 'on' indicator (green) is illuminated. The Alarm indicator (blue) should be off.
- Test the alarm system by pulling the Pull Cord Unit, the alarm will trigger the sounders on the Over-Door Light as well as the Single Zone Control Unit. The Pull Cord Unit, Reset Unit and the Over-Door Unit will all emit a static blue light during the period that the alarm is triggered.
- Press the Reset button on the Control Unit to end the alarm. Test the alarm once again by pulling the Pull Cord Unit, this time use the Reset Unit to end the alarm.

## 9. Operation:

- When the pull cord, mounted adjacent to the W.C. is pulled, the blue LED on the Pull Cord Unit will be activated until the system is reset, assuring the disabled person in distress that the system has been activated.
- At the reset unit inside the cubicle, the light and sounder will simultaneously trigger and remain on continuously; which will further reassure the person in distress.
- The sounder and the light on the Over-Door Unit outside the cubicle will remain on until the alarm system has been reset.
- At the Control Unit the blue alarm light and the sounder are activated continuously.
- Either the Over-door Unit or the Control Unit will attract the attention of an appropriate person either directly or indirectly and that person will note the system is in alarm, press the reset button at the Control Unit clearing the alarm and will then investigate the cubicle in question.

- At any time if the difficulty is resolved the person in distress can clear the alarm by pressing the reset button in the cubicle.

## 10. Typical Single Zone System



# 11. Troubleshooting

## Problem

## Solution

- The Green (Supply ON) LED on the Control Unit is OFF.

The mains supply is not connected, check the mains wiring.

The mains is switched OFF, switch back ON.

- The system will not reset.

Disconnect the mains supply from the control unit, and then reconnect the mains supply. If the alarm has not reset, disconnect the mains supply from the control unit and remove the pull cord unit completely. Reconnect the mains supply back to the control unit. If the system has now reset, a new pull cord would be required.

- Pull Cord does not initiate an alarm.

The Pull Cord is not connected or inserted properly, check the connections to the Pull Cord unit.



If you experience problems, do not immediately  
return the unit to the store.

Telephone the Timeguard Customer Helpline:

HELPLINE

**01582 544 548**

or email [helpline@timeguard.com](mailto:helpline@timeguard.com)

Qualified Customer Support Coordinators will be online  
to assist in resolving your query.



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