AssistCall

VoxIgnis

Remote Toilet Kit

Product Manual

The ViAC-RTK is an emergency assistance alarm consisting of a 1-Zone controller, an Overdoor Indicator, Pull Cord and cancel plate. It is fully compatible with the full AssistCall range of emergency assistance devices.

1 Mounting Information

For mounting information please see below. The 1-Zone Controller would ideally be mounted in a permanently staffed location to alert staff that the occupant requires assistance. Alternatively, the 1-Zone Controller may be mounted locally to the WC for use as a PSU for the system.

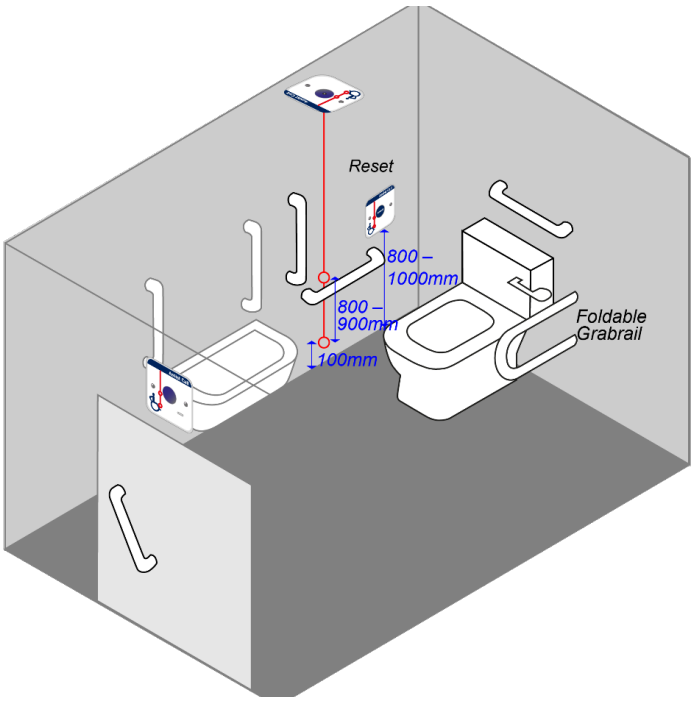

Figure 1

2 Cable Information

Emergency assistance alarms (AssistCall) for dedicated circuits use 1mm 2 core flex for lengths of 500m from the 1-Zone Controller, or security cable for shorter lengths from up to 50m for 2 cores up to 200m if 4 cores are twisted together.

3 Important Safety Information

This Equipment must only be installed and maintained by a suitably skilled and competent person.
This Equipment is defined as Class 1 in EN IEC62368-1:2020+A11:2020 (Low Voltage Directive) and must be EARTHED.





Caution	Indoor Use Only
Warning	Shock Hazard- Isolate Before Opening
Warning	TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE
Warning	THIS UNIT MUST BE EARTHED
Warning	NO USER SERVICEABLE PARTS

Each 1-Zone Controller requires a 3A switched fuse spur.

Anti-static handling guidelines

Make sure that electrostatic handling precautions are taken immediately before handling PCBs and other static sensitive components.

Before handling any static-sensitive items, operators should get rid of any electrostatic charge by touching a sound safety earth. Always handle PCBs by their sides and avoid touching any components.

4 Unpacking the ViAC-RTK

Remove the equipment from its packing, and check the contents against the following list:

- ViAC-1ZC - 1 zone controller.
- ViAC-CPP Ceiling Pull Cord.
- ViAC-ODP Overdoor Indicator Plate.
- ViAC-CNP Cancel Plate.
- Accessible WC Sticker.
- Instruction Sticker (to be located within the WC).
- Installation and operation manual.
- Accessory pack with the following contents: -
  - 8× mounting screws.
  - 1× 10 kΩ end of line resistor.

5 Installation

The ViAC-1ZC controller mounts onto a 25mm UK double gang back box, the ViAC-CPP, ViAC-ODP and ViAC-CNP device plates mount onto a 25mm UK single gang back box.

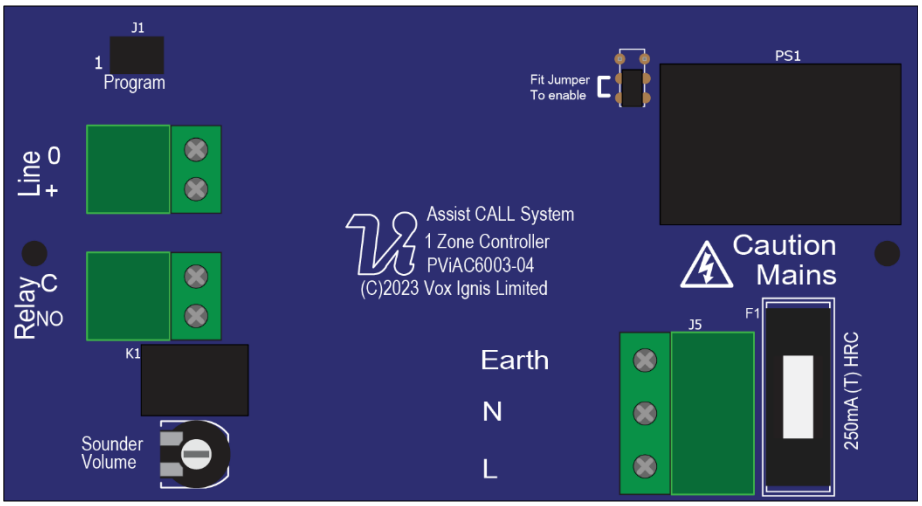

Figure 2 Rear View

The devices are wired to the terminals marked Line 0 and +, the devices are polarity sensitive, cabling between the controller and the devices can be 2 core 1 mm CSA flex or 0.22mm Cat5/6 or security cable wired in a radial circuit.

A 10kΩ end of line resistor needs fitting in the last AssistCall device. The circuit is monitored for open and short circuit.

All system wiring should be installed to meet the appropriate parts of BS 7671 (Wiring Regulations). Other national standards of installation should be adhered to where applicable.
Extra Low Voltage (ELV) Wiring: - Always segregate low voltage wiring from the main wiring.

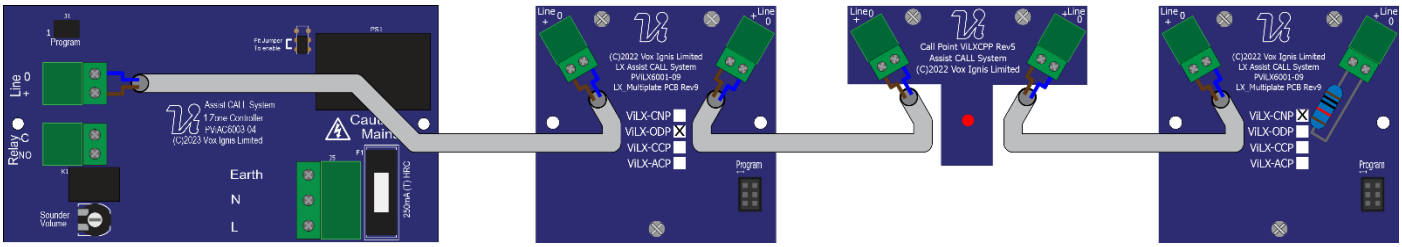

Figure 3 Wiring Schematic

5.1 Additional Functions

5.1.1 Buzzer Volume Control

There is a potentiometer on the rear of the PCB labelled Sounder volume turning it anti clockwise reduces the volume.

5.1.2 Volt Free Relay

The controller has an on-board volt free NO, Com relay contact rated at 1A @30V DC. The relay operates whenever an alarm is present. This can be used to signal ancillary equipment such as sounders or beacons. An external power supply would be required for this purpose.

6 System Operation

6.1.1 Raising the Alarm Inside the WC

The person in distress raises the alarm by pulling on one of the red pull cord bangles, the blue indicator on the ceiling plate will indicate steady blue and the blue indicator flash and sounder will activate on the cancel plate.

6.1.2 Indication Outside the WC

The overdoor indicator plate will flash and a sounder will activate to show the location of the alarm, the ViAC-1ZC controller should be located within a permanently staffed area. The blue accept button/indicator will flash with blue indication and the sounder will activate on the controller to alert staff of an alarm.

6.1.3 Acknowledging the Alarm

A member of staff acknowledges the alarm by pressing the Accept button on the controller, the blue indicator will change state from flashing to steady and the internal sounder will sound intermittently every 15 seconds. The ceiling pull cord indication will extinguish, the blue indicator on the cancel plate and the overdoor indicator changes state from flashing to steady with intermittent sounder operation every 15 seconds to confirm to the occupant that help is on the way.

6.1.4 Resetting the System

When the alarm has been attended to the system is reset by pressing the cancel button within the WC.

7 Status Indication

The status indicator is located on the top right hand of the fascia and indicates as follows:-

Status LED	LED Description	Controller Status
	Solid green	Mains supply healthy
	Flashing yellow	Line is open circuit
	Solid yellow	Line is short circuit

Table 1 - LED Status Indication

8 Maintenance

The maintenance schedule should be as follows:

Frequency	Test
Weekly	Test the system weekly by operating a pull cord, acknowledge the call using the controller, check all indicators and reset from the cancel plate within the WC. Record these results in the site log.

Table 2 - Maintenance Schedule

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