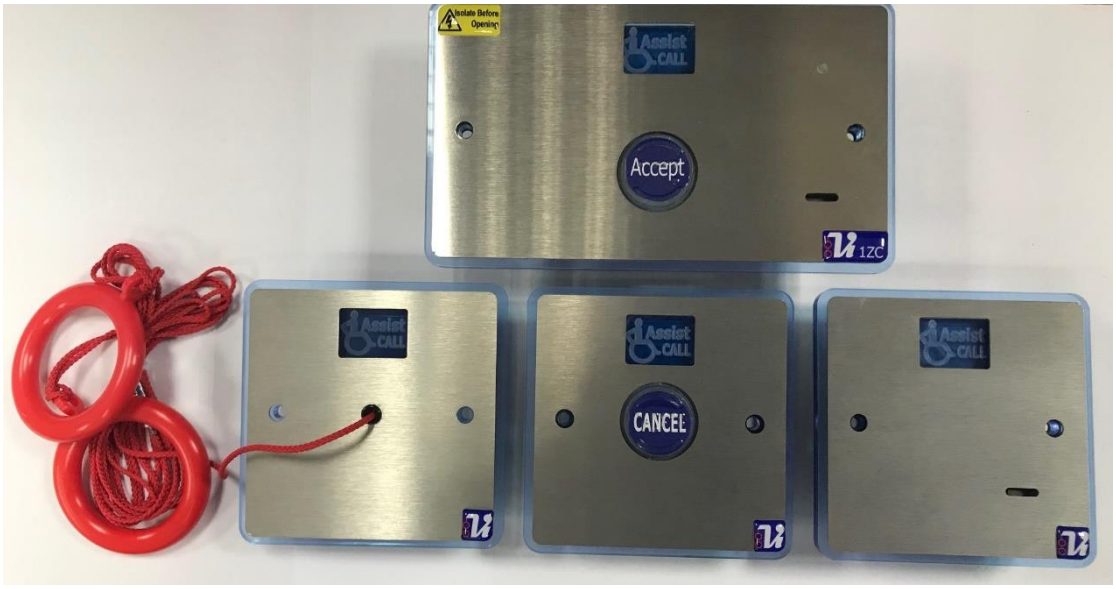
Assist Call ViAC-RTK
Remote Emergency Assistance Kit



Installation and Operation Manual

Version 2- August 2020

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1 Introduction

1.1 What is an Emergency Assistance Alarm

An emergency assistance alarm is used by disabled people to summon assistance.
The system generally consists of a ceiling mounted pull cord, a cancel plate, and an overdoor indicator plate. These are connected back to an Assist Call controller or Lexicomm master station depending on the chosen configuration.

1.2 Suitability

An Emergency assistance alarm must be provided to all accessible toilets, accessible bathrooms, accessible bedrooms, accessible showers and accessible changing areas.

The Assist Call system is designed to fully comply with BS8300- 2011, emergency assistance alarms are called for in all new buildings other than dwellings in the following "Building Regulations Approved Document M:2010".

2 Product Overview

The Assist Call emergency assistance alarm is a 2 wire system consisting of a 1 Zone controller with integral power supply which should be located in a permanently staffed area, ceiling pull cord located near to the WC, cancel plate also located near to the WC and over door indicator plate located above the door outside of the WC.
Additional assist call devices can be connected to the circuit of either one additional cancel plate or overdoor indicator and up to 5 additional ceiling pull cords. Assist call devices can be wired in any order so wiring runs can be kept to a minimum.

The Assist Call system wired from a 1 zone controller features BS8300 "acknowledge" function, this requires that "visual and audible feedback should be provided to indicate that, when the alarm has been operated, the emergency assistance call has been acknowledged and is being actioned. *Note an indication that assistance is on its way will reassure those in distress."*

All Assist Call devices utilise blue halo indication so that they will not confused with fire alarm devices.

3 Design Guidelines

Before designing an emergency assistance alarm the guidelines in BS8300:2009 and "Building Regulations Approved document M :2010" should be consulted first.

3.1 Ceiling Pull Cord location

The ceiling pull cord should be located ideally within the grab rail such that it is reachable from the WC and from the floor close to the WC
Ceiling pull cords should consist of 2 red bangles of 50mm diameter one set at a height of between 800mm and 1000mm and the other set at a height 100mm above the floor.

3.2 Overdoor Indicator location

The overdoor indicator should located so that it is easily seen and heard by those able to give assistance.

3.3 Cancel/reset point location

The cancel point should be located such that it is reachable from the wheelchair, WC, tip up seat in a shower facility or bed within an accessible bedroom. The cancel point bottom edge should be between 800mm and 1000mm above the floor.

Please see diagram attached for more information

4 Important Safety Information

This Equipment must only be installed and maintained by a suitably skilled and competent person.

This Equipment is defined as Class 2 in EN60950 (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

The ViLX-1ZC -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.

4.1 Unpacking the ViAC-RTK

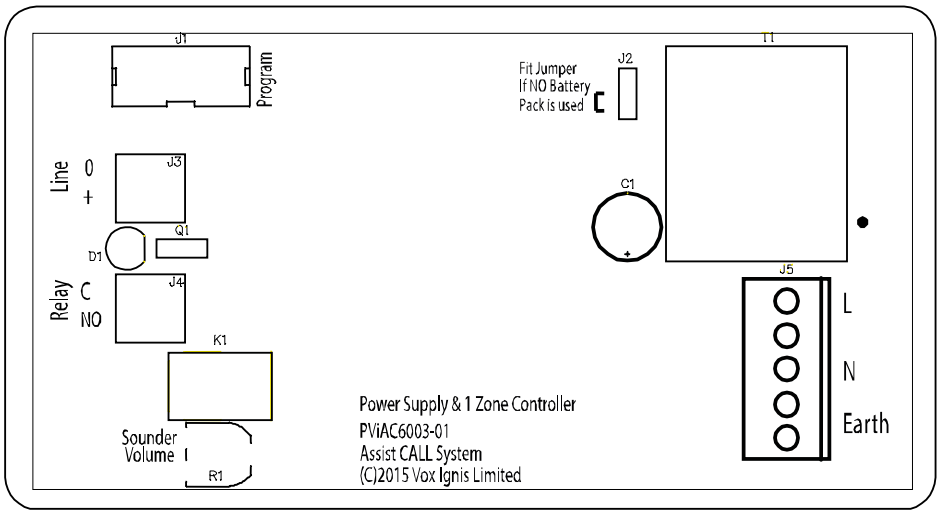
Remove the equipment from its packing, and check the contents against the following list:

- 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 number device 2 part terminals.
    - 8 no device mounting screws.

Installation

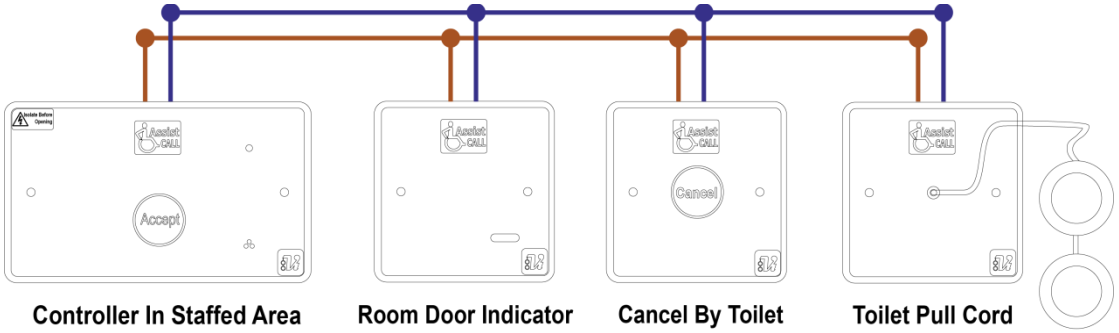
4.2 Connecting the ViAC-RTK Assist Call remote kit

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



The devices are wired to the terminals marked Line 0 and +, the devices are polarity sensitive, cabling between the controller and the devices is 2 core 1 mm CSA flex, wired in a radial 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



4.3 Additional Functions

4.3.1 Buzzer Volume Control

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

4.3.2 Volt Free Relay

The controller has an on board volt free relay C, No contact rated at 1A @30vdc. The relay operates whenever a call 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.

4.3.3 Optional Battery backup link

There is a jumper link this should be left in place, if battery backup is required contact Vox Ignis for details of the optional battery pack required.

4.4 System Operation

4.4.1 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.

4.4.2 Indication outside the WC

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

4.4.3 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.

4.4.4 Resetting the system

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

5 Maintenance

It is a requirement of BS 5839-9:2011 that a maintenance agreement be in place for the EVCS. The maintenance schedule should be as follows:

Frequency	Test
Monthly	Test the system monthly 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.

Notes

The Lexicomm ViLX-RTK is designed and manufactured in the UK by:

Vox Ignis Limited
Unit 27 NEBIC
Enterprise Park East,
Sunderland,
SR5 2TA.
Company Registration No: 8892407

www.vox-ignis.com

info@vox-ignis.com

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