

Product Manual

Product Description

VIGIL CommuniCare is a communication system designed especially for use within a building that contains Refuge Areas. The system enables Fire Officers/Building Management to keep in contact throughout an emergency situation with disabled people who are kept from danger in Refuge Areas until it is possible to move them to safety.

In the event of a fire or emergency situation, staff will evacuate wheelchair-bound people to designated places of safety (Refuge Areas). Staff then activate the Refuge Area Remote Unit which lights a Refuge Occupied indicator on the Fire Officer or Building Manager Control Panel(s). They use a press to talk handset to communicate with each Refuge Area on an individual basis to relay instructions or to reassure the occupants.

Each activated refuge system has auto listening facility to monitor activity in the Refuge Area, which will operate an indicator on the control panel(s). As each disabled person is moved to safety, the system can be reset via a key operated switch on the Refuge Area Remote Unit.



The system has two main components: the Main Control Panel and the Refuge Area Remote Units. The Main Control Panel is available in four options: 16, 32, 48, and 64 way, and is normally wall mounted within a permanently manned main Control Room. Slave Control Panels can be added to the system for control of local zones of Refuge Area Remote Units, and repeater units are available to extend the cabling distance between the remote Refuge Area Remote Units.

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CE Declaration



This equipment is designed and manufactured to conform to the following EC standards:

EMC EN 55103-1, Environment E1, EN 55103-2 E5

Safety EN 60065

Failure to install or use the equipment in the manner described in the product literature will invalidate the conformity.

A 'Declaration of Conformity' statement to the above standards and a list of auxiliary equipment used for compliance verification is available on request.

Safety and Precautions

ELECTRICAL SAFETY

Always replace blown fuses with the correct type and rating. Ensure the power supply cabling is adequately rated. Ensure the equipment is effectively earthed (grounded). Do not short-circuit battery connections.

ENVIRONMENTAL PRECAUTIONS

Always ensure adequate ventilation is provided for the equipment and do not obstruct ventilation holes. The temperature and humidity ranges shown in the specifications for this product must not be exceeded. This equipment must not be installed in an area that is subject to a corrosive atmosphere, excessive moisture or that may allow water or other liquids to come into contact with the unit or its external connections. In the close proximity of some radio frequency transmitters, the signal to noise ratio of this product may be reduced. If this occurs, re-locate the equipment or the signal cables. Dispose of batteries according to local regulations.

ESD PRECAUTIONS

This product contains static-sensitive devices. Observe ESD precautions when working on the equipment with the cover removed.

Specifications

Control Unit

System self-monitoring	BS5588 & BS5839 compliant
Remote signalling of fault	Volts-free contact, closing/opening set on installation
Indicators	Occupied, call, fault, power, charger, speech volume
Transmission capability	Half-duplex as standard, controlled by Control Panel handset (Full duplex with Refuge Handset option)
Power supply	230V AC, battery backed with built in batteries/charger
Power consumption (VA)	10VA + 1VA per remote connected
Dimensions (W x H x D)	410mm x 455mm x 200mm (16 – 64 Way) Bezel dimensions: 461mm x 506mm x 25mm Bezel cut out dimensions: 420mm x 465mm
Knockouts	20mm diameter in top and top/rear
Security	Lockable glazed door
Weight, including batteries	26kg (64 way unit)
Temperature Range (storage and operating)	-10 to +30°C
Humidity Range	95% Non Condensing

Refuge Area Remote Units

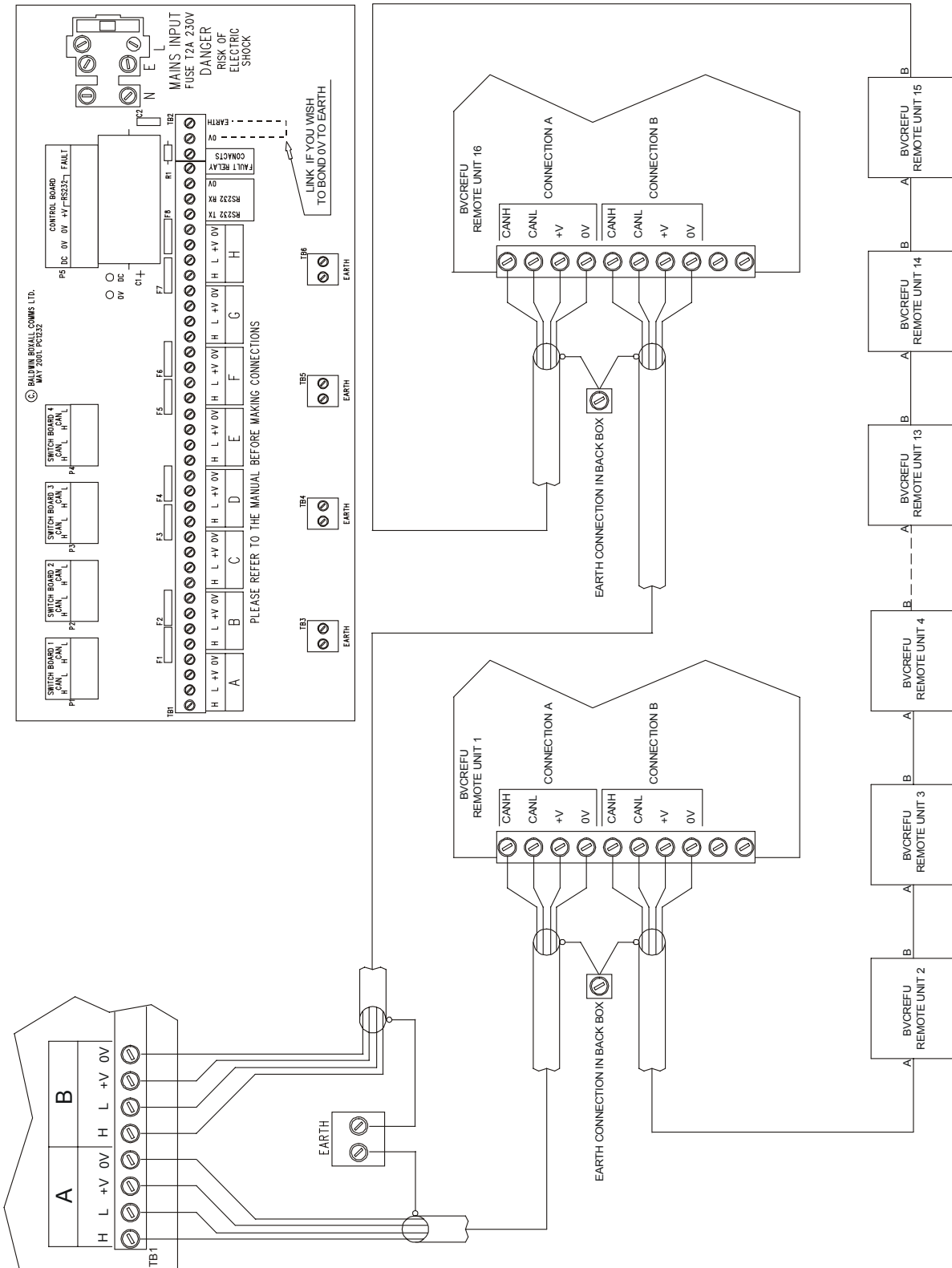
Indicators	Occupied, System healthy
Remote signalling of occupancy	Volts-free contact for above door lamps etc.
Control	Occupied/call, and reset switch
Power supply	12 – 40V Dc
Current consumption	30mA @ 35V typical
Dimensions (W x H x D)	133mm x 134mm x 64mm Bezel dimensions: 154mm x 154mm. 10mm radius Bezel cut out dimensions: 136mm x 136mm. 10mm radius
Knockouts	20mm and 25mm diameter in sides of back box
Weight	1kg
Temperature Range (storage and operating)	-10 to + 40°C
Humidity Range	95% Non Condensing

Cabling Design and Installation Recommendations (cont.)

Configuration Example 1: Up to 16 Remote Units

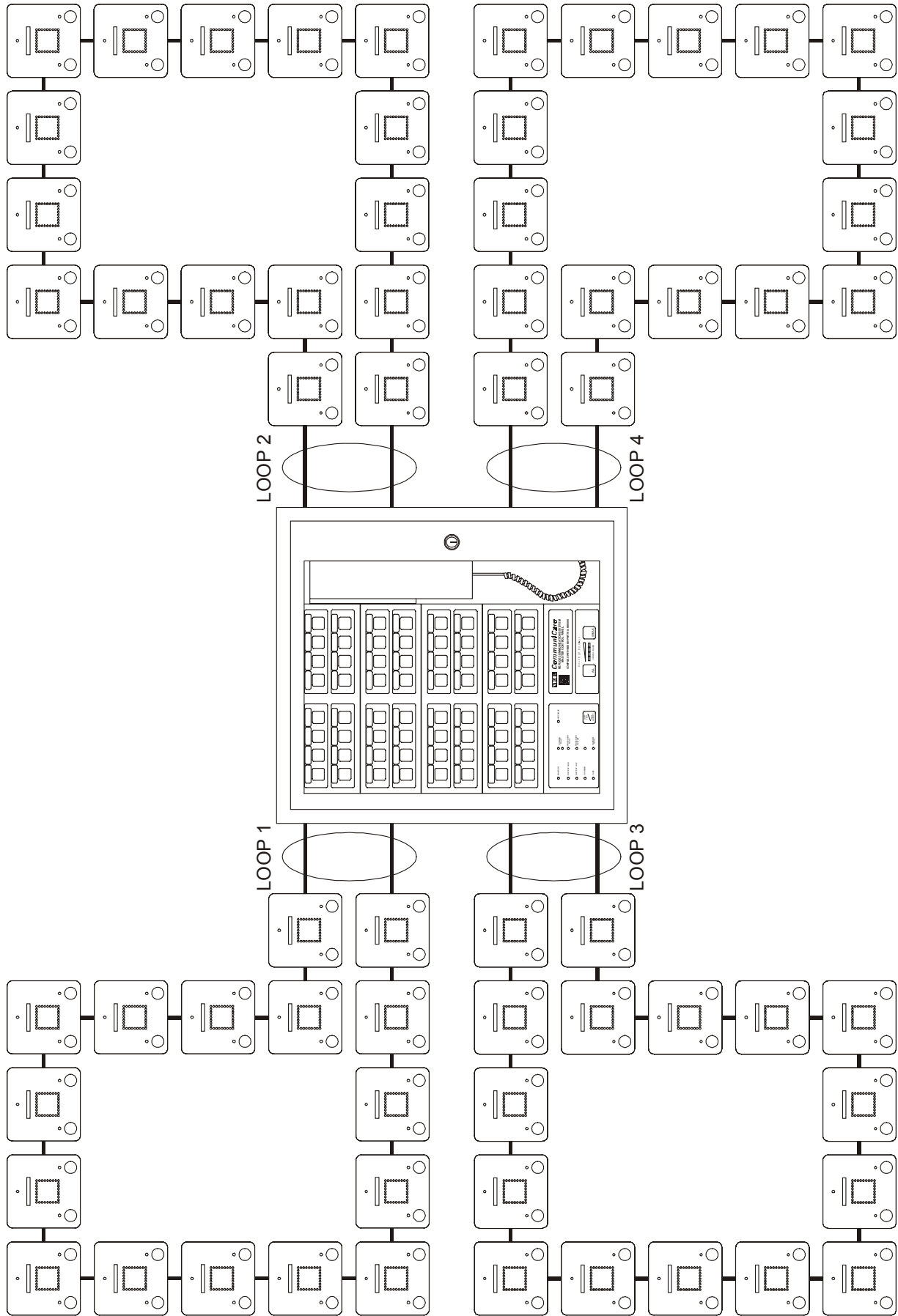
This diagram shows an example configuration of 16 Remote Units connected to a Control Panel using one ring circuit.

The terminal blocks labelled 'TB1' are located in the top of the Control Panel enclosure, and the terminations for Remote Units 1 and 16 are also shown in detail.



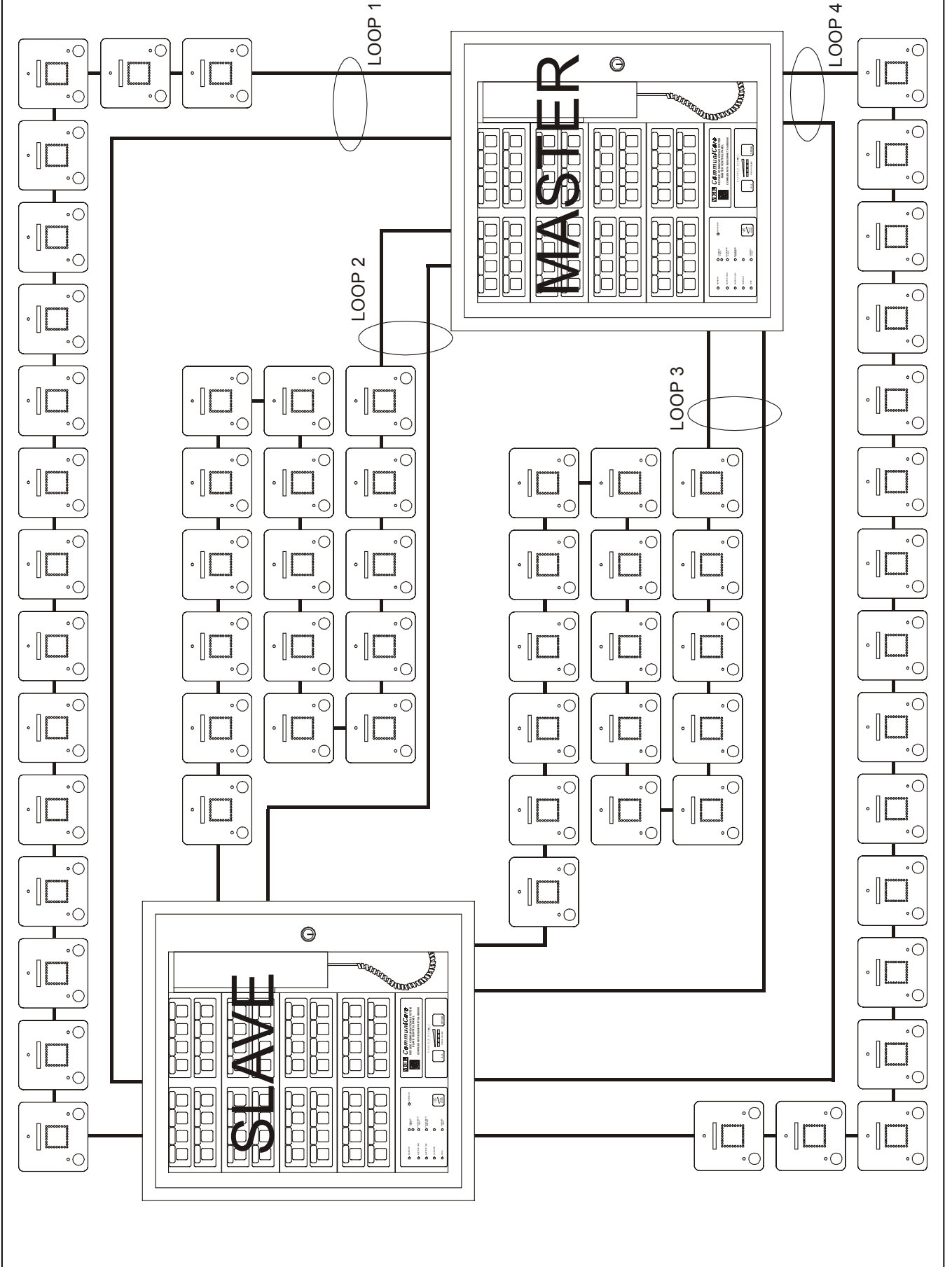
Cabling Design and Installation Recommendations (cont.)

Configuration Example 2:



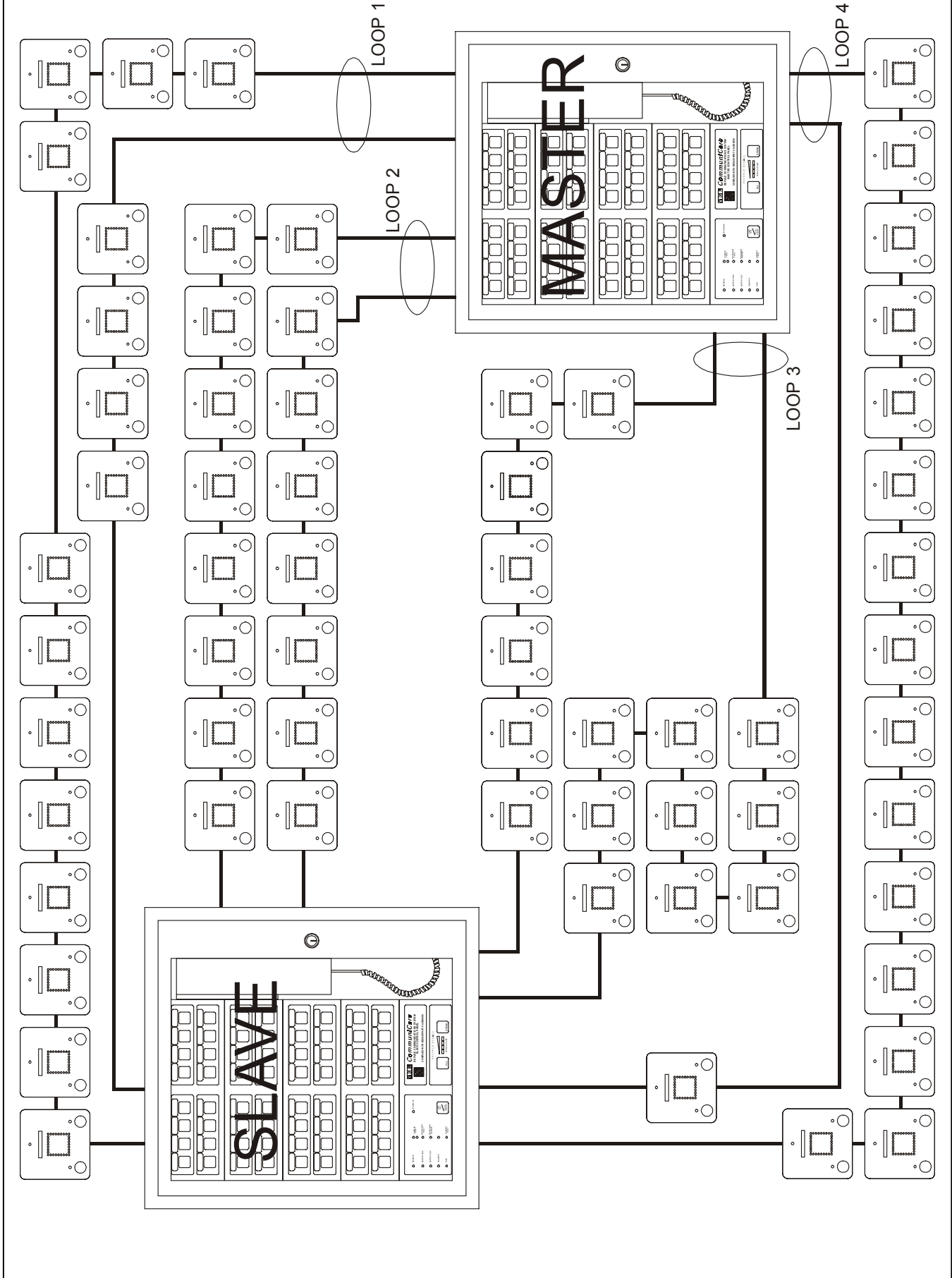
Cabling Design and Installation Recommendations (cont.)

Configuration Example 3:



Cabling Design and Installation Recommendations (cont.)

Configuration Example 4:



Cabling Design and Installation Recommendations (cont.)

Recommended Cable Type

The ring circuit must be cabled in a 4-core with screen fire rated cable. Soft skin type is recommended. MICC can be used, but identification of the individual conductors for correct phasing of conductor pairs (which is essential to prevent damage to the equipment) can be difficult with this type of cable.

The conductor cross-sectional area must be chosen depending on the length of cable runs and the number of Remote Units on each circuit.

Please contact our Technical Sales team on +44(0)1892 664422 for free advice and assistance with your cabling design and choice of cable.

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For the Equipment Installer

This section assists the system installer to install the equipment, and terminate and test the cabling. It is assumed that all the cable runs have already been installed according to the system designer's specification.

To install this product you will need;

- Tools for fixing the control panel on, or flush with, a vertical surface
- A small flat-bladed screwdriver
- A small Philips screwdriver for removing/replacing internal screws
- A pair of wire cutters/strippers appropriate for the type of cable used
- Ferules and ferruling tool for dressing the ends of cables (if stranded conductors are used)
- Digital Multimeter for voltage and continuity tests

Check the cabling

Before connecting the Control Panel or Remote Unit electronics to the cabling, check all cabling for correct phasing absence of shorts, etc.

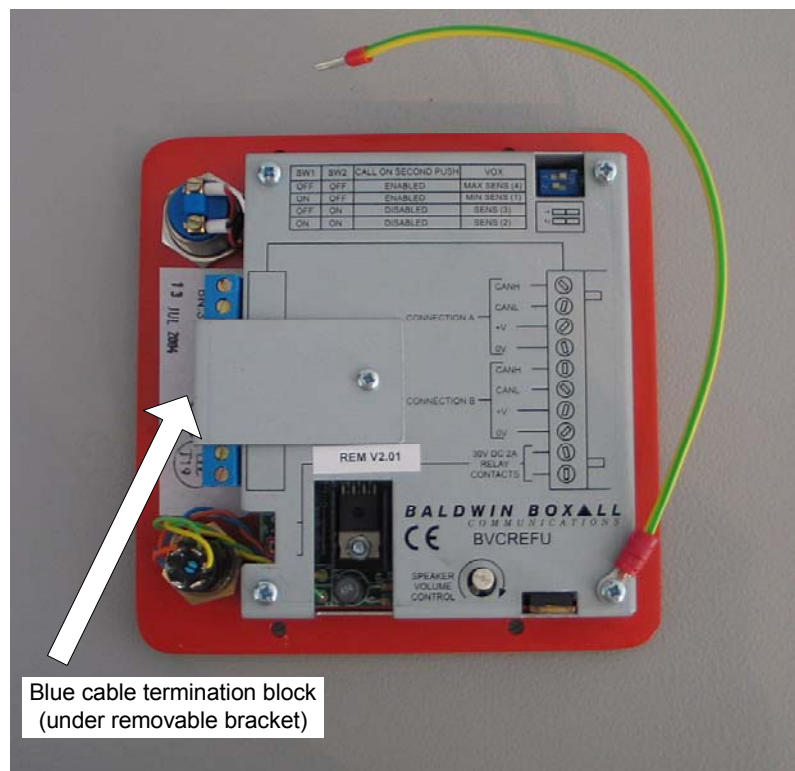
It is most important that power is not applied across the data pair or reversed, as this will cause damage to the equipment.

Installing Remote Refuge Units

- 1 If not already fitted, mount the supplied back box at each Remote Unit location.
- 2 At the rear of the Remote Unit remove the screw to release the bracket retaining the blue termination block.
- 3 Terminate all cables at the termination block according to the system designer's specifications and the diagram on the Remote Unit rear panel.

It is very important that each conductor is correctly identified before being terminated. Incorrect connections can damage this equipment.

- 4 For controlling external equipment (e.g. over door indicators), set the jumper to NO or NC as required.
- 5 Refit the retaining bracket over the blue termination block and replace the screw.
- 6 Connect the green and yellow safety earth lead to the earth terminal in the back box.
- 7 Fit the Remote Unit to the back box using four screws provided.



Rear view of Remote Unit showing the blue cable termination block

Installing Control Panels

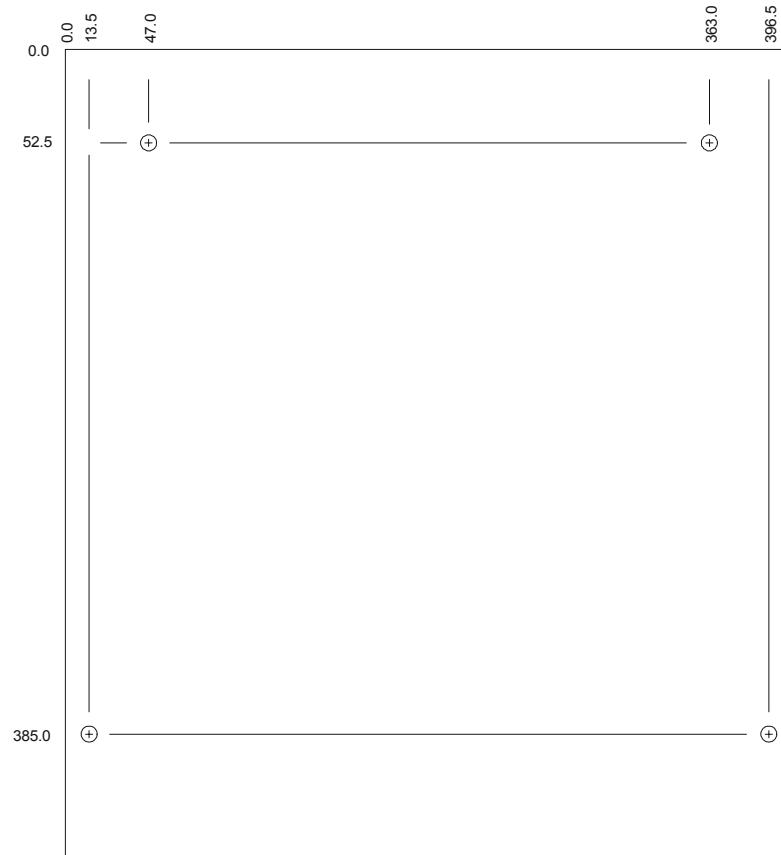


Diagram Showing Hole Centres For Mounting The Control Unit)

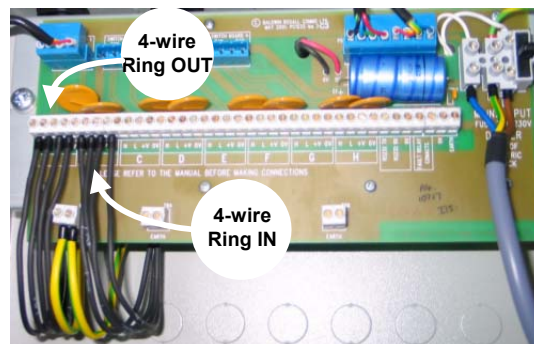
- 2 To allow access to the two top locating holes in rear of the unit, remove the two M6 locating screws from the Termination Panel and drop it down.
- 3 Fit the CommuniCare Control Unit to the wall using suitable fixings it is designed for surface mounting or can be flush mounted with the optional bezel.
Note: The Weight with Batteries fitted will be 26Kg.
- 4 Ensure all connectors are terminated correctly at the Termination Panel according to the system designer's specifications, and then relocate the Termination Panel using the M6 screws.

It is very important that each conductor is correctly identified before being terminated.

Incorrect connections can damage this equipment.

View of cable terminations to Control Unit Termination Panel.

Note: In this example, the system consists of one circuit of remote units.



For the System Commissioner

This section assists the system commissioner to check the installation, configure the system, and confirm it is functioning correctly.

Commissioning must be carried out on a new system or if a Remote has been added or replaced.

To commission this product you will need;

- A small flat-bladed screwdriver
- A large Philips screwdriver for removing/replacing internal screws
- Digital Multimeter for voltage and continuity tests

Check the cabling

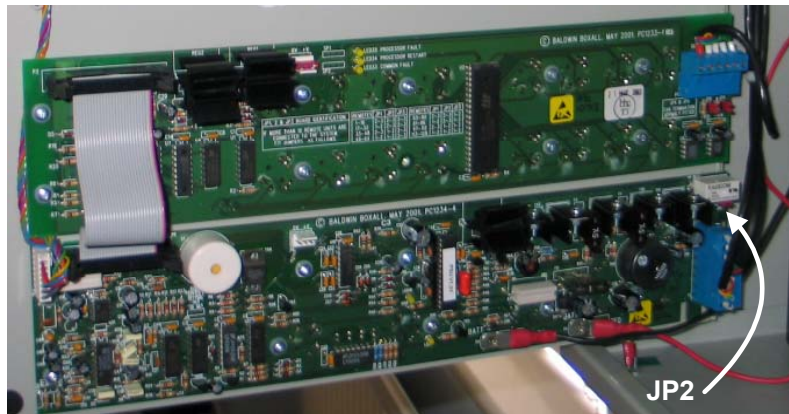
Before connecting the Control Panel or Remote Unit electronics to the cabling, check all cabling for correct phasing, absence of shorts, and absence of open circuits.

It is most important that power is not applied across the data pair or reversed, as this will cause damage to the equipment.

Commission the System

1) Pre-configure the Control Unit(s)

Fault Relay Operation: Select the appropriate signaling for the fault relay using JP2, which is located at the top right corner of the power supply board (bottom board). The fault relay can be set for contact closure on fault (NO), or contact opening on fault (NC).



Switch Card Jumpers JP1-3: Ensure Control Unit jumpers JP1, JP2 and JP3 are set according to the silk-screen diagram shown on each switch card, board reference PC1233.

2) Install the Remote Unit electronics sub-assemblies

If not already fitted, install the remote units as described in the 'For The Equipment Installer' section.

4) Configure and Test the System

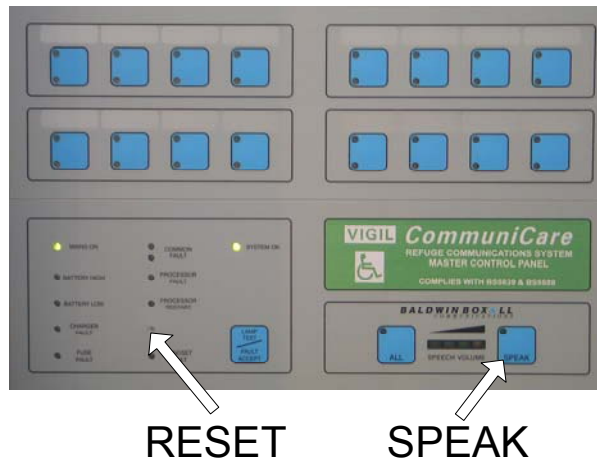
Single Master Control Panel System

Commissioning must be carried out on a new system or if a remote has been added or replaced.

- a) We recommend testing **each** ring circuit of Remote Refuge Units individually, so initially leave all cables disconnected at the Control Panel.
- b) At the Control Panel connect the first ring circuit, but only connect one end of the ring to connection 'B' ensuring that the unconnected cables are not shorting. (If the A or other connections are made the panel will automatically route data and power to avoid any cable faults, making it much harder to find them).

Commission the System (cont.)

- c) Connect mains power to the Control Panel, but do not connect the batteries.
- d) At the Control Panel, push the 'SPEAK' button (on the handset or panel) **at the same time** press and release the 'RESET' button (located between the processor restart and remote unit fault indicators). **Continue to push 'SPEAK' until the COMMON FAULT indicators go out**, and then release it.



- e) Then press and release the **FAULT ACCEPT** button to silence the fault buzzer.
- f) This sequence will cause the master panel to send a special code around the ring. Note that the indicators on the Control Panel by 'button 16' will each toggle ON and OFF. Additionally the green indicators above the Refuge Unit buttons should light as power and data reach each Refuge Unit.
- g) If the total number of illuminated indicator's is the same as the number of Remote Units on the ring then there are no wiring faults (except possibly between the last Unit and the Control panel).
- h) If fewer indicators light than the number of Units on the ring, repeat the process. If the point at which the green indicators stop is the same, go to the last 'green' Unit or walk the ring from the 'B' connection looking at each Remote Unit **SYSTEM OK** indicator – see table below.
- i) **Tip:** If the indicators light erratically press and release **RESET**, lift the handset and press the **ALL** button for one second then release it. Replace the handset, then initiate the commissioning code again (**SPEAK** and **RESET** buttons) except press and hold the **RESET** button for ten seconds before releasing it. **Continue to push 'SPEAK' until the common fault indicators go out**, and then release it.
- j) Walking around the ring from the 'B' connection. At each Remote Refuge Unit:

SYSTEM OK Indicator is on constantly	Code has been received.
SYSTEM OK Indicator is flashing	The unit has power but no data.
SYSTEM OK Indicator is not lit	There is no power.

- k) When the total number of illuminated indicators is the same as the number of Refuge units on the ring, repeat the process for any other ring circuits (connection D of (C & D), connection F of (E & F) etc). Note: Remove mains power before connecting or disconnecting the ring circuits.
- l) When all rings circuits have been individually tested, remove the mains power and connect all ring circuits in their final configuration (refer to page 3 – Cabling Design). Connect the battery and then reconnect the mains power.
- m) Initiate the commissioning code again (SPEAK and RESET buttons). This time, once all the green indicators are lit (connected remote units); the flashing indicators should go out. The **SYSTEM OK** indicators on the Refuge Units will flash and the green indicators on the Control Panel will slowly extinguish.
- n) When all the green indicators on the Control Panel have extinguished. Lift the handset, press and release the **ALL** button, and then replace the handset.

Commission the System (cont.)

Master and Slave(s) Control Panel System

Commissioning must be carried out on a new system or if a remote has been added or replaced.

- a) For systems with a Slave Panel, if practical, the Slave Panel should be 'linked out'. After disconnecting the system from the mains power, this is achieved by linking the two cables from each loop together without connecting them to the Slave Panel. This should be done in such a way that NO cable run between units exceeds the recommended distance.
- b) Refer to the previous section to test **all** ring circuits of Remote Refuge Units individually, at the Master.
- c) When all rings circuits have been individually tested, remove the mains power and connect all ring circuits in their final configuration (refer to page 3 – Cabling Design). Connect only the battery at the Master Control Panel, and then connect only the battery at the Slave Panel.
- d) Connect the mains power to the Slave Panel, and then press and release the **RESET** button on the Slave Panel. Following this, the Slave Panel should show '**SYSTEM OK**'.
- e) At the Control Panel, connect the mains power. Lift the handset, press and release the **ALL** button, and then replace the handset.

Commissioning Remote Refuge Units

- a) Go to each Refuge Unit in turn; check that the **SYSTEM OK** indicator is pulsing.
- b) Check that the key is in the vertical position, and then press the **OCCUPIED** button. The associated green indicator on the Control Panel(s) will light.
- c) Wait four seconds then make a noise or press the **OCCUPIED** button again. The Remote Unit will 'ring' and so will the handset(s) at the Control Panel(s). Check that when the handset is lifted communication can be established.
- d) Set the VOLUME and VOX sensitivity on the Remote Unit. The volume control sets the level of Control Panel speech reproduced at the Remote Refuge and should be adjusted to allow speech to be clearly understood. The VOX sensitivity controls how loud a sound needs to be for the Remote Refuge Unit to detect it. This control should be adjusted so that the Remote Unit responds to quiet speech, but is insensitive to the normal background noise in the refuge (e.g. it should not be activated by HVAC noise).
- e) De-occupy' the unit by turning the key to the **RESET** position then back to vertical. This completes the commissioning.
- f) Set Up the Special Functions of Remote Refuge Unit

Voice Activated and Call On Second Press*

(* First Press available on software version V2.04 or later)

The **Call** function operates in two modes selected by the internal switches (SW1 and SW2).

Mode 1. Voice activated (Vox). The Call is activated by noise, sensitivity settings are shown in the table below.

Mode 2. Call on second push. After the room is occupied a second push on the 'PRESS WHEN OCCUPIED' switch will enable a Call. See tables below and on next page.

SW1	SW2	Call On Second Push	Vox Sensitivity
OFF	OFF	Enabled	Max Sens (4)
ON	OFF	Enabled	Min Sens (1)
OFF	ON	Disabled	Sens (3)
ON	ON	Disabled	Sens (2)

Default settings: - Minimum Sensitivity (1) and Call On Second Push Enabled.

Commission the System (cont.)

g) Test each remote unit:

Test. Each remote unit can be configured to automatically emit a brief test beep to check its audio circuits at regular intervals. The audio test is enabled or disabled by briefly occupying the remote unit then resetting it. ('PRESS WHEN OCCUPIED' then 'RESET'. See table below. When the test is enabled an ascending series of notes will be heard; when disabled the series of notes is descending.

Direct Call. If the above process is repeated then the remote unit is configured to call the control panel when the PRESS WHEN OCCUPIED button is pushed for the first time. When this feature is enabled two high pitch beeps will be heard, and when disabled two low pitch beeps will be heard. See table below.

	Sequence of button presses	Audio Test	Single Push
First	PRESS WHEN OCCUPIED then RESET	Enabled	Disabled
Second	PRESS WHEN OCCUPIED then RESET	Enabled	Enabled
Third	PRESS WHEN OCCUPIED then RESET	Disabled	Enabled
Fourth	PRESS WHEN OCCUPIED then RESET	Disabled	Disabled

System Reset

During Commissioning or following total loss of power the system will need to be reset. The RESET button is between the processor restart and handset fault indicators.

When it is pressed power is removed from all the Refuge Units, however if there are other Control Panels on the system they will continue to provide power to the Refuge Units.

How to Use the Zone Insert Labels

A template is provided at the end of this manual for labelling the Control Panel buttons. The template gives a choice of pre-printed numbers or blank spaces for installation-specific labelling.

The Zone Insert Template is also available to download as a Word® file from www.baldwinboxall.co.uk

The template should be cut into strips for insertion behind the Control Panel button overlay.

Slide the strips cut from the Zone Insert template under the membrane at the positions shown in the picture. They can be inserted from either side.



Note: The Zone Insert Template is also available to download as a Word® file from www.baldwinboxall.co.uk

For the System Maintainer

This section assists the system maintainer to perform preventive maintenance, identify faults, and expand the system.

Preventive Maintenance

At least once a week, perform a functional test at each Remote Unit and confirm it can make and receive calls with the Master and Slave Control Panels.

At least once a month, check the 'BATTERY HIGH', 'BATTERY LOW', and 'CHARGER' indicators on the Master and Slave Control Panels. If any of them are illuminated, replace the batteries. If the indicators are still illuminated, contact your supplier for advice and service. Note: A fault will sound the beeper, unless silenced.

Remote Unit Fault Identification

If the yellow indicator by a Control Panel remote unit button is flashing then there is a fault with that remote unit or the cabling to it. With a cabling fault it is normal for two adjacent remote units to indicate a fault, as they are each connected to one end of the same cable.

Remote Unit Controls and Indicators

Volume: Set as required (normally about half way)

Remote unit indicator: The 'SYSTEM OK' indicator on each of the remote unit units shows the status of the unit. If the indicator is lit, the unit is functioning correctly.

Expanding the System

The CommuniCare system can be expanded to increase the number of Remote Units, add Slave Control Panels for larger or more complex systems, and add repeaters where inter-unit distances are greater than 200m.

Please contact our Technical Sales team on +44(0)1892 664422 for free advice and assistance.

Control Panel Indicators and Controls

'SYSTEM OK' LED	Illuminates when no faults are detected.
'COMMON FAULT' LED	Will flash and a beeper will sound when a Fault is detected until "Fault Accept" is pressed. After a fault is accepted the beeper is silenced and the LED remains illuminated until the fault is cleared.
'PROCESSOR FAULT' LED	Will illuminate when a critical Processor fault has occurred.
'PROCESSOR RESTART' LED	Will illuminate when the reset switch needs to be pressed.
'HANDSET FAULT' LED	Will illuminate if a fault is detected with the Control Unit handset.
'MAINS ON' LED	Mains Healthy.
'BATTERY HIGH' LED	Will illuminate when Batteries are overcharged.
'BATTERY LOW' LED	Will illuminate when the Battery voltage is low.
'CHARGER FAULT' LED	Will illuminate if the batteries are unable to hold their charge <u>or</u> if they are not fully charged after 24 Hours charging. Reset must be pressed to clear a charger fault.
'FUSE FAULT' LED	Will illuminate if any internal DC fuse fails.
'SPEECH VOLUME' LED'S	Indicates speech level. To avoid distortion, try to avoid illuminating the red LED.
'REMOTE FAULT' LED	Will flash yellow if a remote unit is faulty.
'REMOTE' LED	Will flash when a remote unit is occupied and flash during communication or when the Remote Unit is calling the Control Panel.
'RESET'	Recessed switch that enables the Processors to be reset.
'FAULT ACCEPT'	Press to accept a fault and silence the fault buzzer.
'LAMP TEST'	Press to check front panel indicators and buzzer operation.
'ALL'	Press to talk to all occupied refuge points.
'SPEAK'	Press to talk to an individual refuge point.

Remote Refuge Unit Indicators and Controls

Front Panel Controls	
SYSTEM OK LED	Flashes when the system is OK. The flash rate increases when the control unit is listening to the unit.
PRESS WHEN OCCUPIED	Press to occupy the remote unit.
OCCUPIED LED	Will illuminate when the remote unit is occupied.
RESET	Use the key to rotate clockwise then return to the vertical to cancel occupation.

Internal Controls	
Volume. (VR1 Preset)	Set as required.
Jumper. (J1)	Configure the relay for normally open or normally closed.
Switches. (SW1 DIL)	Set for required call operation as shown on the cover plate.

Manufacturer

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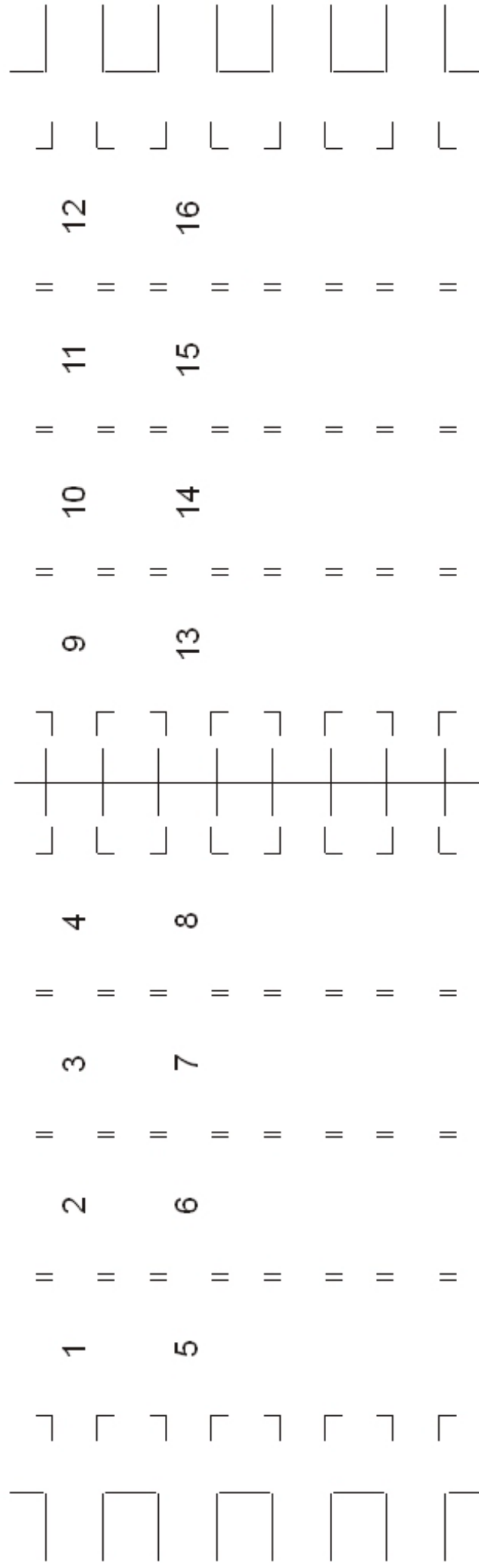
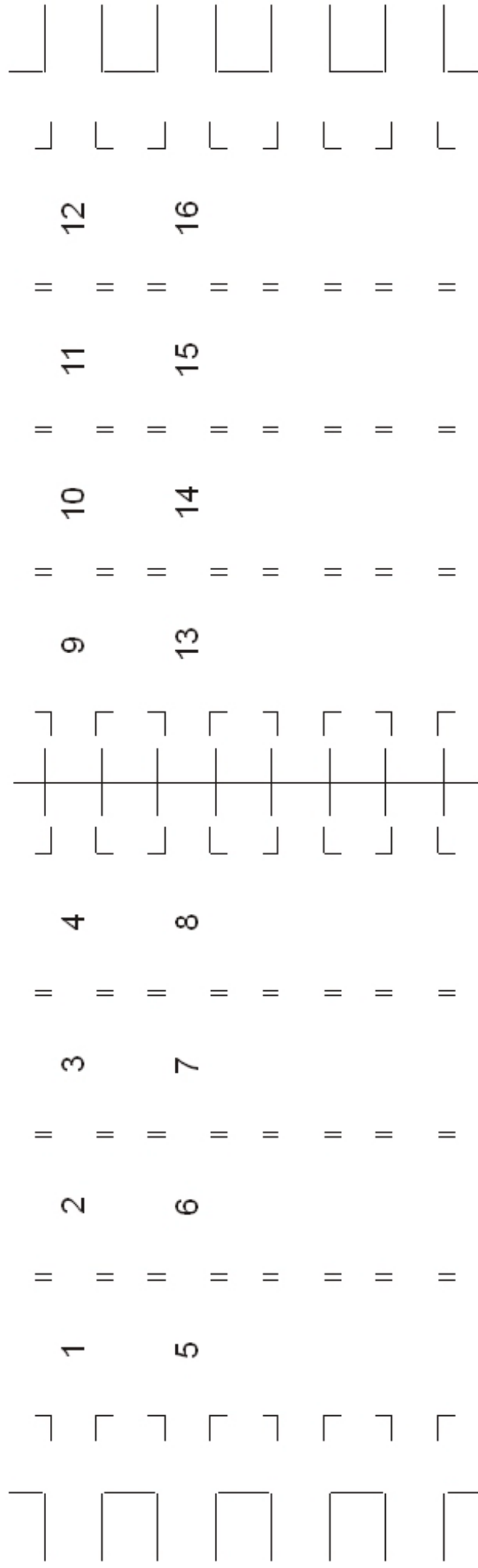
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Web: [www. www.baldwinboxall.co.uk](http://www.baldwinboxall.co.uk)

In the interest of continual product development, Baldwin Boxall Communications Ltd. reserves the right to make changes to product specification without notice or liability.

Information contained in this document is believed to be accurate, however no representation or warranty is given and Baldwin Boxall Communications Ltd. assumes no liability with respect to the accuracy of such information. Use of Baldwin Boxall Communications Ltd. products as critical components in life support systems is not authorised except with express written approval from Baldwin Boxall Communications Ltd.

BDM300 Series Microphones. Click in relevant box to add text, then click on next box, when finished, cut to side, remove mic side panel and slide under overlay, refit side.



Operator's Manual

Product Description

VIGIL CommuniCare is a communication system designed especially for use within a building that contains Refuge Areas. The system enables Fire Officers/Building Management to keep in contact throughout an emergency situation with disabled people who are kept from danger in Refuge Areas until it is possible to move them to safety.

In the event of a fire or emergency situation, staff will evacuate wheelchair-bound people to designated places of safety (Refuge Areas). Staff then activate the Refuge Area Remote Unit which lights a Refuge Occupied indicator on the Fire Officer or Building Manager Control Panel(s). They can then communicate via a press to talk handset with each Refuge Area on an individual basis to relay instructions or to reassure the occupants.

Each activated refuge system has auto listening facility to monitor activity in the Refuge Area, which will operate an indicator on the control panel(s). As each disabled person is moved to safety, the system can be reset via a key operated switch on the Refuge Area Remote Unit.



The system has two main components: the BVCR2 Main Control Panel and the BVCREFU Refuge Area Remote Units. The Main Control Panel is available in four options: 16, 32, 48, and 64 way. The control panel is normally wall mounted within a permanently manned main Control Room. Slave Control Panels can be added to the system for control of local zones of Refuge Area Remote Units, and repeater units are available to extend the cabling distance between the remote Refuge Area Remote Units.

Safety and Precautions

ELECTRICAL SAFETY

Always replace blown fuses with the correct type and rating. Ensure power supply cabling is adequately rated. Ensure equipment is effectively earthed (grounded).

ENVIRONMENTAL PRECAUTIONS

Always ensure adequate ventilation is provided for the equipment and do not obstruct ventilation holes. The temperature and humidity ranges shown in the Product Manual specifications for this product must not be exceeded. This equipment must not be installed in an area that is subject to a corrosive atmosphere, excessive moisture or that may allow water or other liquids to come into contact with the unit or its external connections. In the close proximity of some radio frequency transmitters, the signal to noise ratio of this product may be reduced. If this occurs, re-location of the equipment or the signal cables is recommended.

ESD PRECAUTIONS

This product contains static-sensitive devices. Observe ESD precautions when working on the equipment with the cover removed.

Operating Instructions for Master and Slave Control Panels



If there is more than one control panel on the system the Control and Slave panels can be identified by the label above the 'all' and 'speak' buttons. The instructions below apply to both panels. It is recommended that only one panel be used at a time to prevent confusion.

When a remote unit is occupied the green indicator by that unit is illuminated.

To call an occupied remote unit: Lift the handset and press the button by the unit you wish to call. The green led will flash. This will put the remote unit into listening mode; you will be able to monitor any sounds from that unit.

To speak to an occupied remote unit: First enter listening mode, then press and hold the button on handset base or 'SPEAK' on the control panel.

Avoid distortion by keeping the 'SPEECH LEVEL' LEDs below the maximum (red) indication.

You will be unable to hear audio from the remote unit until the button is released, when you will return to listen mode.

To speak to all occupied remote units: Lift handset, press and hold 'ALL' on control panel. The selection of all remote units will be cancelled when 'ALL' is released. You will be unable to hear audio from the remote unit until the button on handset base or 'SPEAK' on the control panel is released, when you will return to listen mode.

Incoming call: When a remote unit is calling the associated LED will flash and, if the handset is on the hook, it will ring. Lifting the handset will answer the call or, if the handset is already off the hook, the call may be answered by pressing the button by the calling remote unit's LED. You will be unable to hear audio from the remote unit until the button on handset base or 'SPEAK' on the control panel is released, when you will return to listen mode.

Lamp Test: Press 'LAMP TEST', all the LED's will illuminate and the buzzer will sound.

Fault Accept: Press to mute the buzzer when a fault has been detected. Report any faults to your maintenance staff.

Operating Instructions for Remote Refuge Units



To occupy: Press the **'PRESS WHEN OCCUPIED'** button. The **'OCCUPIED'** LED will illuminate.

When a sound is detected in the area, the remote unit will activate and 'Ring' until the control panel answers the call.

The person at the Control Panel controls the direction of audio communication. Normally they can hear audio from the Remote Unit. But while they speak, they do not hear audio from the remote unit until they release the 'Press to Talk' button on their handset or on the Control Panel.

To initiate calls from an occupied refuge, make a noise or press the **OCCUPIED** button. The Remote Unit will 'ring' and so will the handset(s) at the Control Panel(s). When the person at the control panel answers, wait for them to finish speaking before trying to speak back – they cannot hear you while they are speaking.

To cancel occupation: Insert the key into the key switch and turn it clockwise, then return the key to the vertical position. The **'OCCUPIED'** LED will go out.

The **'SYSTEM OK' LED** flashes to confirm the system is healthy. The flash rate increases when the unit is being listened to by the control unit.

Manufacturer

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