THE COMPLETE EMERGENCY VOICE COMMUNICATION SYSTEM (EVC)

VIGIL *OmniCare*

BALDWIN BOX▲LL
COMMUNICATIONS

For twenty five years Baldwin Boxall has been at the forefront of the communications industry and is now widely recognised as being Europe's leading independent manufacturer of Voice Alarm/Evacuation, Fire Telephones, Disabled Refuge Communication and Public Address Equipment. Continual product development has always been at the heart of our business philosophy, which is why our research and development engineers have an outstanding reputation for creating new products, be they standard or bespoke. Our dedication to providing solutions to emergency communication needs and on-going commitment to customers, has led to the development of a sophisticated and versatile Emergency Voice Communication system; VIGIL OmniCare.

VIGIL OmniCare is a fully addressable emergency voice communication system that allows disabled refuge, fire telephones and disabled toilet alarm remote units to be connected to just one system. It has been developed in accordance with BS5588, BS5839 part 9 and BS8300:2001 (for the Disabled Toilet Alarm).

The system has two main components; a Master Control Panel and the Remote units. The Master Control Panel is available in various options: 8~128 way. Control panels also function as slave panels when wired into a VIGIL OmniCare system on the ring circuit loop. The Master Control Panel is normally wall mounted within a central control room, with additional panels at other locations for control of local areas, e.g. in a stairwell or fallback position. The remote units are supplied in four different styles: Disabled Refuge, Fire Telephone, Disabled Toilet Alarm and combined Disabled Refuge/Fire telephone.

BVOC128~128 way

VIGIL *OmniCare* Master Control Panel

Full system monitoring for functionality is standard with VIGIL OmniCare and faults are reported at the Master Control Panels. The system has been designed with functionality and practicality equally in mind.

Features:

▲ Up to 128 way, constructed in 16 way switch boards.

▲ Fully addressable.

▲ Link to fire detection system to prevent hoax disabled refuge calls (Disabled Toilet Alarms and Fire Telephones remain active).

▲ Up to 128 master panels can be linked in one system.

▲ Wall mountable ~ optional flush mounting with bezel (see below).

▲ Lockable glazed door.

▲ Speech steered (DRS remotes) and Full duplex (Fire telephones) speech.

▲ Fully monitored ~ faults reported at the Master Control Panel.

▲ Battery backed ~ 24 hour quiescent with 3 hours full use, 230V AC with built-in battery charger.

▲ Volt free contact ~ operated when in fault, set during installation.

▲ Indicators for: in use/occupied, call, fault, power, charger and speech volume.

▲ 'Listening' facility.

▲ Fully BS5588 Part 11, BS5839 part 9 and BS8300 compliant, when installed according to both standards.

▲ Distinguishing 'Orange' name panel.

BVOC64~64 way

BVOC32~32 way

OmniCare Control Unit ~ Technical Specification	
Power supply	230V AC
Power consumption (VA)	10VA + 1VA per remote handset connected
Weight	21kg up to 32way, 26kg up to 64way, 37kg up to 128way units.
Humidity range	95% Non-condensing
Temperature range	-10°C to +30°C
Indicators	In-use, call, fault, power, charger and speech volume
Remote signalling of fault	Volt-free contact, closing/opening set on commissioning
Dimensions mm – W x H x D	410mm (W) x 290mm (H) x 200mm (D) (8~32 Way)
	410mm (W) x 455mm (H) x 200mm (D) (16~64 Way)
	410mm (W) x 777mm (H) x 200mm (D) (80~128 Way)
Bezel Dimensions – W x H x D	461mm (W) x 340mm (H) x 25mm (D) (8~32 Way)
	461mm (W) x 506mm (H) x 25mm (D) (16~64 Way)
Bezel cut out dimensions – W x H	420mm (W) x 300mm (H) (8~32 Way)
	420mm (W) x 465mm (H) (16~64 Way)
Knockouts	20mm diameter in top and rear

BALDWIN BOX▲LL
COMMUNICATIONS

+44 (0) 1892 664422

VIGIL *OmniCare* Disabled Refuge Remote

VIGIL OmniCare has fully addressable remotes to give greater flexibility and speed of identification during an emergency, meaning that OmniCare is the ideal solution for any size of installation.

Features:

▲ Speech Steered.

▲ Red or stainless steel finish.

▲ System healthy indicator.

▲ Volt free contact, active when occupied. To operate over-door lamps, silence speaker/sounder etc.

▲ Call switch.

▲ Wall mountable – optional flush mountable bezel available (see below).

▲ Self-powered from ring circuit.

▲ Reset from either remote (key switch) or master control panel.

▲ Typically 20-30 remote units per loop – minimum of two.

BVOCECP

BVOCECPS

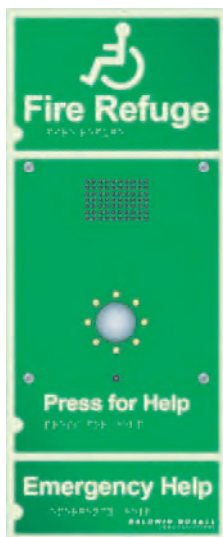| Disabled Refuge Remote Call Point ~ Technical Specification	
Power supply	12-40V DC self powered from ring circuit
Power consumption (VA)	30mA @ 35V typical
Weight	1kg
Humidity range	95% Non-condensing
Temperature range	-10°C to +40°C
Indicators	System Healthy, status
Dimensions mm – W x H x D	134mm (W) x 134mm (H) x 46mm (D)
Bezel Dimensions – W x H x D	154mm (W) x 154mm (H) x 10mm radius
Bezel cut out dimensions – W x H	136mm (W) x 136mm (H) x 10mm radius
Knockouts	20mm and 25mm in sides of back box

VIGIL *OmniCare* Advanced Disabled Refuge Remote

The OmniCare Advance remote unit is specifically designed for use by a disabled person within a refuge area. It differs significantly to the standard OmniCare Refuge remotes, both in looks and operation.

Features:

▲ Speech Steered.

▲ Green finish.

▲ Induction Loop, Braille, Tactile Text and Luminescent Text as standard.

▲ System healthy indicator.

▲ Volt free contact, active when occupied. To operate over-door lamps, silence speaker/sounder etc.

▲ Call switch.

▲ Surface or flush mount.

▲ Self-powered from ring circuit.

▲ Reset via button push.

▲ Typically 20-30 remote units per loop – minimum of two.

BVOCAF

Advanced Disabled Refuge Remote ~ Technical Specification	
Power supply	12 – 40V DC, self-powered form ring circuit
Power consumption (VA)	30mA @ 35V typical
Weight	1kg
Humidity range	95% Non-condensing
Temperature range	-10°C to +40°C
Indicators	System Healthy, system activated and in-use
Dimensions Flush mm	178mm (W) x 440mm (H) x 3mm (D)
Dimensions Surface mount mm	180mm (W) x 440mm (H) x 64mm (D)
Flush mount cut out dimensions	133mm (W) x 235mm (H) x 65mm (D)
Knockouts	20mm and 25mm diameter in sides of back box

Visit our web site at: **www.baldwinboxall.co.uk**

VIGIL *OmniCare* Fire Telephone Remote

The OmniCare Fire Telephone remotes offer users full duplex communication to enable fire officers/building management to report the status of an emergency within a building quickly and efficiently. Overall this ensures that the occupants are evacuated with ease and less panic, keeping those controlling the evacuation fully informed at all times.

Features:

▲ Full duplex speech.

▲ Hands free use.

▲ Contains handset and loudspeaker.

▲ Red or Stainless Steel.

▲ Push catch (standard) or optional slot lockable door and/or beacon.

▲ System healthy indicator.

▲ Conference facility (via master control).

▲ Wall mountable (optional flush mountable bezel available).

▲ Typically 20-30 remote units per loop – minimum of two.

Fire Telephone Remotes ~ Technical Specification	
Power supply	12-40V DC self powered from ring circuit
Power consumption (VA)	30mA @ 35V typical
Weight	4kg
Humidity range	95% Non-condensing
Temperature range	-10°C to +40°C
Indicators	System Healthy
Dimensions mm – W x H x D	130mm (W) x 350mm (H) x 100mm (D) excluding beacon
Bezel Dimensions – W x H x D	170mm (W) x 390mm (H) x 20mm (D)
Bezel cut out dimensions – W x H	138mm (W) x 358mm (H)
Knockouts	20mm and 25mm in sides of back box

BVFHLSS   BVFHL

VIGIL *OmniCare* Combined Disabled Refuge/Fire Telephone Remote

Unique to the OmniCare range, this is a unit that has been specially designed to enable both a disabled remote and a Fire Telephone to be located at one single 'call' position.

Features:

▲ Same features as standard Disabled Refuge and Fire Telephone remotes.

▲ Designed to enable correct mounting heights as set out in BS5839 Part 9.

▲ Only one point of presence at the console.

Combined Disabled Refuge and Fire Telephone ~ Technical Specification	
Power supply	12-40V DC self powered from ring circuit
Power consumption (VA)	35mA @ 35V typical
Weight	4.5kg
Humidity range	95% Non-condensing
Temperature range	-10°C to +40°C
Indicators	System Healthy and Call Status
Dimensions mm – W x H x D	130mm x 480 x 100mm
Bezel Dimensions – W x H	170mm x 520mm
Bezel cut out dimensions – W x H	138mm x 486mm
Knockouts	20mm and 25mm in sides of back box

BVOCRFCS   BVOCRFC

For specific technical advice on the system, choice of cabling, cabling design
or any other aspect of the VIGIL range of products, please contact our
Technical Advice Team on: +44 (0) 1892 664422

VIGIL OmniCare Disabled Toilet Alarm

The Baldwin Boxall Disabled Toilet Alarm is fully compliant to BS8300:2001, which requires that all new disabled toilets are fitted with an emergency toilet alarm. This system provides a compliant, reliable and easy to use disabled persons toilet alarm which contains the following components:

Controller: Combined power supply and controller with reset button, audible alarm and high visibility LED.

Pull Switch: Ceiling mounted pull cord (with fully compliant G pulls) with LED.

Reset point: Reset button & LED to reset calls locally.

Light/Sounder: Over door triangular lens with integral sounder to attract attention

Features:

▲ Exceeds BS8300:2001 requirements.

▲ Integral power supply ~ requires mains power.

▲ Monitored battery back up ~ from main OmniCare system.

▲ Powerful LEDs and sounder.

▲ Supply and Battery healthy indicators.

▲ Two alarm modes (flashing or steady LEDs).

▲ Reset button enable/disable.

▲ Self test facility to ensure all sounders and LEDs are fully operational.

▲ Plug on terminals to ease installation.

▲ Twin G pulls and LED.

▲ Reset point with re-assurance LED.

▲ Over door light with sounder.

▲ Supplied with disabled WC door sign.

The disabled toilet alarm units can be connected to the VIGIL OmniCare system via a BVFREPEM repeater unit and any number of disabled toilet alarms can be wired to each repeater.

Optional Stainless Steel kit available, featuring a stainless steel reset button and over door light/sounder (controllers and pull cord white).

BVFREPEM

Disabled Toilet Alarm ~ Technical Specification	
Power Supply	220-240 V AC
Output	12V DC
Fuse	Internal Thermal
Alarm Type	90dB @ 30cm
Battery Backup	Alkaline – type A23 12 Volt
Dimensions	
Alarm controller	145mm H x 85mm x W x 13mm D
Over door light/sounder	85mm H x 85mm x W x 13mm D
Reset point	85mm H x 85mm x W x 13mm D
Ring pull	30mm H x 80mm diameter (fixing centres)
Cable requirements	4 or 6 core security alarm cable 7/0.2 or similar
Back box requirements (Please note: back boxes are not supplied with the disabled toilet alarm).	
Alarm controller	35mm deep double gang flush back box or
	'round cornered' plastic surface box is required
Over door light/sounder	25mm deep single gang flush back box or
	'round cornered' plastic surface box is required
Reset point	25mm deep single gang flush back box or
	'round cornered' plastic surface box is required
Ring pull	Supplied with its own surface mount enclosure

VIGIL OmniCare System Requirements

Fire rated enhanced four core cable with a screen must be used for loops. Up to 200m cable run between Remote Units and Master Control Panel as standard. A repeater unit must be used if distance between remote units exceeds 200m.

▲ Disabled Refuge, Fire Telephone, combined DRS/Fire Telephone and Toilet Alarm Units can be placed on the same loop. Typically 20-30 remotes per loop.

▲ A ring circuit configuration must be used to wire the remotes.

▲ Repeaters are used to connect the Toilet Alarms to the system.

There is incidence of unusually high capacitance of MICC cable and we would ask you to down rate the distances as shown below. The capacitance of MICC cable varies between manufacturers so if you do have to specify MICC cable and if the runs are greater than 100 metres, you may wish to contact our technical team to ensure it is within tolerance.

▲ MICC lightweight four core with screen: 100m.

▲ MICC heavyweight four core with screen: 200m.

▲ Enhanced colour coded four core with screen: 200m (recommended by Baldwin Boxall).

BALDWIN BOXALL
C O M M U N I C A T I O N S

+44 (0) 1892 664422

Master Control Panels:

Mini: BVOC8M~8-way mini, BVOC16M~16-way mini, BVOC32M~32-way mini.
BVCRFB2 8-32 way flush mounting bezel.

Standard: BVOC48~48-way, BVOC64~64-way.
BVCRFB1 16-64 way flush mounting bezel.

Large: BVOC80~80-way, BVOC96~96-way, BVOC112~112-way, BVOC128~128-way.

Stainless steel units available.

Remote Units:

Disabled Refuge: BVOCECP~standard red unit, BVOCECPS~stainless steel unit.
Flush Mounting Bezels: BVCRMRED~for BVOCECP and BVCRMSS~for BVOCECPS.

Advanced Disabled Refuge: BVOCAS~standard surface mounting and BVOCAF~flush mounting.

Fire Telephone: BVFH~red push door, BVFHL~red slot lock, BVFHB~red push door & beacon,
BVFHLB~red slot lock & beacon. Stainless steel enclosures and bezels are made to order. Please ring for details.
Flush Mounting Bezels: BVFHBEZ.

Combined DRS and Fire Telephone:
Push door: BVOCRFC~red unit, BVOCRFXB~red unit with beacon, BVOCRFCS~stainless steel unit
Locking door: BVOCRFCL~red unit, BVOCRFCLXB~red unit with beacon, BVOCRFCSL~stainless steel unit.
Flush mounting bezel available.

Disabled Toilet Alarm: BVOCDTA~disabled toilet alarm kit, BVOCDTAS~stainless steel.

Repeater Unit: BVFREPEM.

For specific technical advice on the system, choice of cabling, cabling design
or any other aspect of the VIGIL range of products, please contact our
Technical Advice Team on: +44 (0) 1892 664422

BALDWIN BOX▲LL
COMMUNICATIONS

THE COMPLETE SPECTRUM OF COMMUNICATION SOLUTIONS