

OmniCALL The System

Designed to meet BS8893:2024 and BS5839:2021



OmniCALL

MAIN SYSTEM FEATURES

- Loop and radial outstation connection on the same system
- Loop connection
 - 2 core cabling
 - Non-polarity dependence
 - Up to 32 outstations per loop
 - Max loop length 1.5km (Dependent on number of outstations)
 - No distance limitation between outstations
- Radial connection
 - 2 core cabling
 - Non-polarity dependence
 - Max radial length 1.5km shared between 4 outstations
- Same outstation for loop or radial connection
- Bedroom Alarms / Assistance alarms connect direct to outstations or via interface unit
 - Each assistance call is a separate address
- All outstations have output via relay to silence local loudspeakers
- Designed for BS5839-9 and BS8893 compliance
- Patent granted* and further patent pending**

*GB26051525 and **EP4302472

32 WAY MASTER STATION FEATURES & BENEFITS:

- Black (OCCPS) or stainless steel (OCCPSS) finish
- Flexible outstation connection
 - Up to 32 loop outstation connections or:
 - 4 (expandable to 16) radial outstation connections
 - Additional line cards (up to 3) can be added, allowing either a 32 way loop or four radials to further expand the system.
- Internal back up batteries for up to 32 loop or 16 radial outstations (batteries supplied as an option)
 - Expandable up to 128 way loop outstations with additional battery enclosure
- 5" full colour TFT display
 - Customisable outstation layout
 - Active call list
 - Live faults view
 - Time & date stamp activity & fault logs
 - Self-describing faults
 - Individual icon per outstation type
 - Two lines of free text fields per outstation
- Delayed call output
 - Interface to third party equipment

- Interface to remote lamp buzzer
- Up to 5 way conference call (Type A/C outstations only) plus operator.
- Paging option
 - Broadcast to the loudspeaker of all 'occupied' refuge outstations and all telephones
- Outstation call option (Telephone outstations only)
- Fully monitored

128 WAY MASTER STATION FEATURES & BENEFITS:

- Black (OCCPL) finish
- Flexible outstation connection
 - Up to 128 loop outstation connections or:
 - 4 (expandable to 16) radial outstation connections
 - Additional line cards (up to 3) can be added, allowing either a 128 way loop or four radials to further expand the system.
- Internal back up batteries for up to 128 loop or 16 radial outstations (batteries supplied as an option)
- 5" full colour TFT display
 - Customisable outstation layout
 - Active call list
 - Live faults view
 - Time & date stamp activity & fault logs
 - Self-describing faults
 - Individual icon per outstation type
 - Two lines of free text fields per outstation
- Delayed call output



OCCPL

- Fault and power indicators
- One line card fitted as standard to allow one loop up to 32 outstations or 4 radial circuits with 1 outstation per radial
- Each expansion panel can have an additional three line cards. Each line card supports either one loop or 4 radials
 - By fitting the three additional line cards, the system can support a total of 32 outstations distributed across 4 loops, in any configuration required. Outstations can be allocated freely across the loops or 16 radials to suit the site layout.

- Built-in copper networking, 4-core connection per network span.
- FP200 cabling. Maximum distance, 200m per span
- Fibre networking via OCFIS (Single-mode SC Duplex, maximum distance of 4km) or OCFIM (Multi-mode SC Duplex, maximum distance of 2km)
- Duplex fibre connection (2 fibres per span)

128 WAY EXPANSION PANEL:

- Supports up to 128 outstations plus 128 assistance alarms
- Multiple overdoor lights and reset points can be added
- Assistance alarms have a separate indication on the master station
- No user interface or handset required
- Internal batteries provided, dependent on system
- Fault and power indicators
- One line card fitted as standard to allow one loop up to 32 outstations or 4 radial circuits with 1 outstation per radial



OCEPL

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OCEPS

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FIRE / EMERGENCY / STEWARD TELEPHONE (TYPE A) OUTSTATION FEATURES:

- Red, green, stainless steel and custom finishes available
- Push door
- Surface mount as standard, bezel required for flush mounting
- Full duplex speech
- Luminescent labelling
- Loop or radial connection
- T-Coil in red handset
- Assistance alarm connection direct to outstation
 - Separate indication on master station
- Monitored external beacon option
- Local speaker
- Fully addressable
- Conference call facility between multiple fire telephones is available via the operator at the control panel. Up to 5 concurrent units (4 outstations and operator).
- Calls are initiated upon opening the door.
- Self powered from loop or radial, no local power source is required.



OCAFR

REFUGE (TYPE B) OUTSTATION FEATURES:

- Standard double-gang backbox installation (47mm back box required)
 - Optional fire rated back box for flush mounting
 - Optional surface mount back box
- Provides two-way, hands free, speech steered communication.
- Green or stainless steel finish. Custom finishes available.
- Braille
- Luminescent labelling
- Loop or radial connection
- Assistance alarm connection direct to outstation
 - Separate indication on master station
- Reset via outstation button push



OCBRG

- An optional link to the fire detection system prevents hoax disabled refuge calls.
- Self powered from loop or radial circuit, no local power source is required.

ADVANCE REFUGE (TYPE B) OUTSTATION FEATURES:

- Green finish
- Surface mount as standard, optional bezel for flush mounting
- Braille
- Luminescent labelling
- Loop or radial connection
- Provides two-way hands free, speech steered communication
- Induction loop
- Assistance alarm connection direct to outstation
 - Separate indication on master station
- Reset via outstation button push or via the master control panel
- An optional link to the fire detection system prevents hoax disabled refuge calls.
- Self powered from loop or radial, no local power source is required.



OCBARG

COMBINED EMERGENCY TELEPHONE / REFUGE (TYPE C) OUTSTATION FEATURES:

- Surface mount as standard
 - Optional bezel for flush mounting
- Red, green, stainless steel and custom finishes available
- Push door
- Braille
- Luminescent labelling
- Loop or radial connection
- T-Coil in handset
- Provides two-way, hands free, full duplex speech and speech steered communication
- Self powered from loop or radial
- Assistance alarm connection direct to outstation
- Separate indication on master station
- Monitored external beacon option
- Local speaker, more options available
- Reset via outstation button push
- Conference call facility



OCCCRP

- No local power required for any outstation, including emergency assistance alarms.

RETROFIT REFUGE (TYPE B) OUTSTATION FEATURES:

- Designed to be installed into existing back box:
 - Flush mounted with existing flush mount back box (OCEVC40BRG-F)
 - Surface mounted with existing surface mount back box (OCEVC40BRG-S)
- Provides two-way, hands free, speech steered communication
- Loop or radial connection
- Self-powered from loop or radial circuit, no local power source is required
- Braille
- Luminescent text
- Assistance alarm connection direct to outstation
 - Separate indication on master station
- Reset via outstation button push
- An optional link between the console and the fire detection system prevents hoax disabled refuge calls
- Custom finishes available



OCEVC40BRG-F

EVC TOUCHSCREEN CONTROLLER FEATURES:

- Stylish, easy-to-use EVC touchscreen controller (OCTSID) with a capacitive touch, bright, seven-inch screen
- Streamlines call-handling on OmniCALL systems in space constrained settings
- Ergonomically designed
- Desk or wall mount options available
- Straight-forward, multi-page scroll through operation, providing full control of an OmniCALL EVC system
- Volume adjustment function provides the ability to change the volume of the telephone handset
- Critical signal path monitoring of the system – all faults being visibly and audibly indicated at the microphone
- Detailed activity history and fault logs accessed via the touchscreen
- Compatible with OmniCALL master stations and expansion panels



OCTSID

LARGE FORMAT TOUCHSCREEN FEATURES:

- The OCTSIM, once configured, enables full graphical control of an OmniCALL EVC system.
- No PC, or interface, is required – the touchscreen monitor plugs directly into the back of the touchscreen (OCTSID).
- Completely configurable design your own screens and layouts. The system can be configured and setup completely without the need for specialist tools or knowledge, no programming is required.
- Installers and system integrators have the ability to:
 - Design multi-layer graphical user interfaces for even the most complex of installations
 - Import floor plan graphics or wallpapers.
 - Add and move link buttons to navigate between layers to enable 'drill down' user interfaces.
 - Add, move, re-size and re-name outstation buttons when the customer's requirements change.
 - Add additional graphics such as company logos, telephone/support numbers, and more
- Incoming call time ordered display
 - Full time and date stamped system fault logs enabling easy diagnosis.
 - Time and date stamped user activity logs providing an audit trail when required.
- OCTSIM dimensions (mm) 390H x 510W x 230D.
- Monitor not battery backed or monitored for faults. In an emergency situation, full control is available via the OCTSID.



OCTSIM

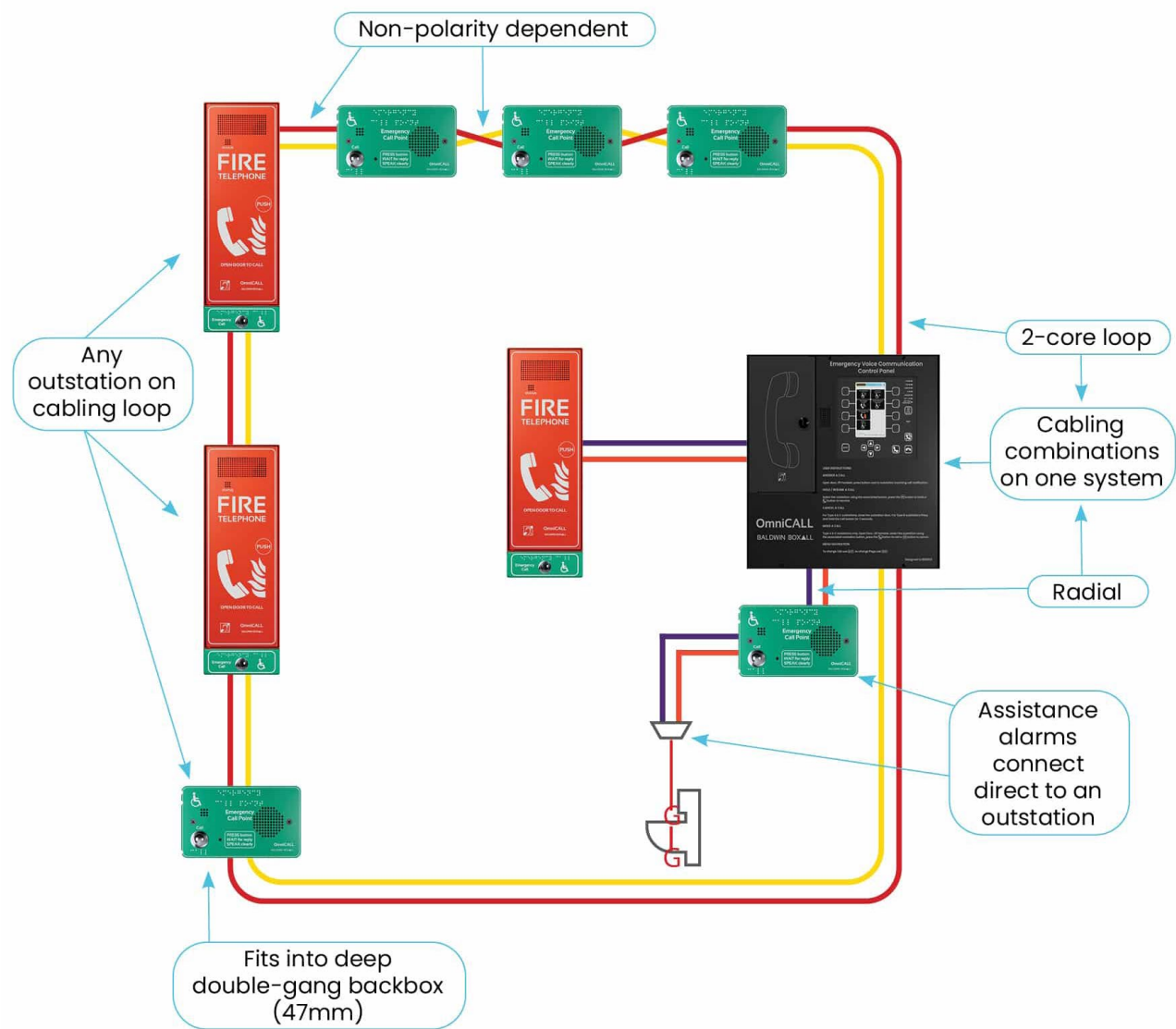
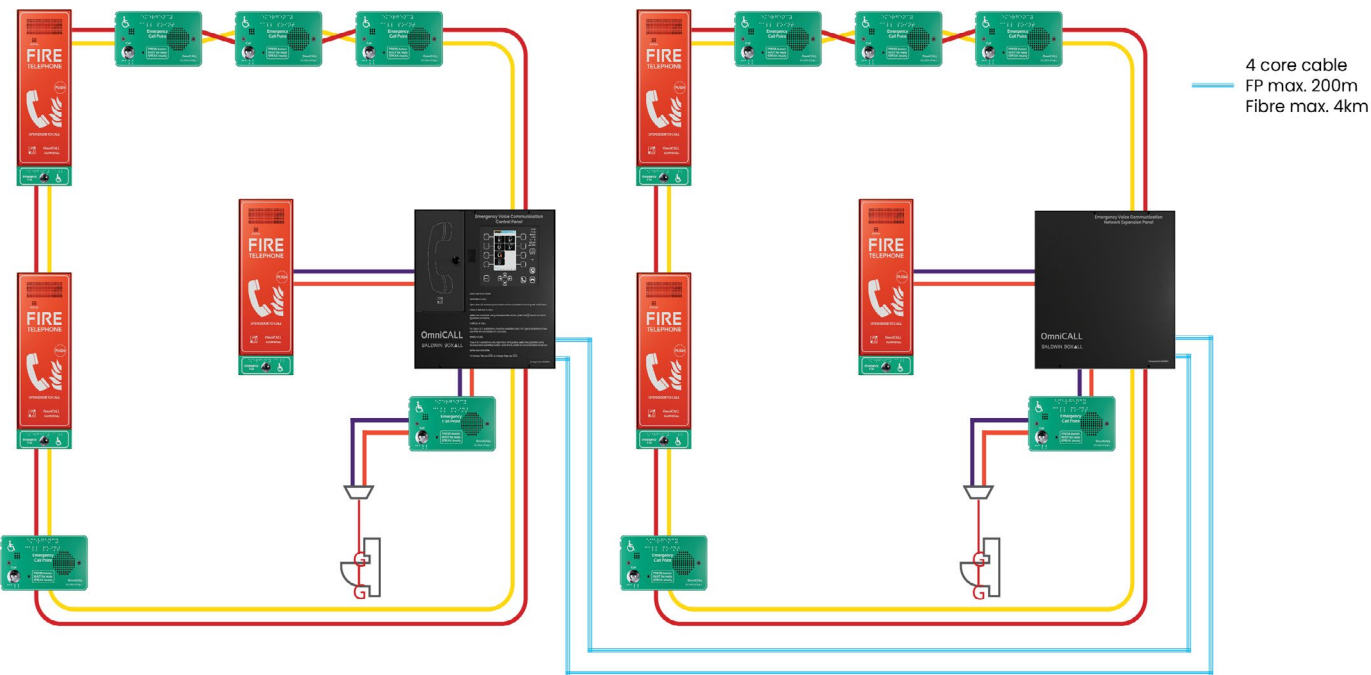
LINE CARD FEATURES:

- Additional loop or radial connection to a Master Station
- Allows up to 4 radials or 1 loop, per card
- Maximum of 3 additional cards per Master Station
- Each Master Station is supplied with 1 Line Card built in
- Typical cable length is a maximum of 1.4km, subject to voltage drop calculations
- Simple plug in installation



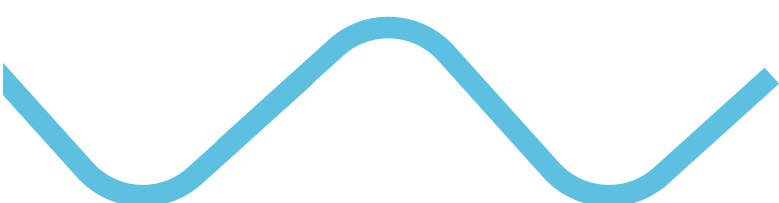
OCLC

OMNICALL NETWORKING



SPECIFICATIONS:

	Master Station (Up to 32 way)	Master Station (Up to 128 way)	Disabled Refuge	Advanced Refuge	Fire Telephone	Emergency/ Steward Telephone	Combined DRS & Fire Telephone
Product codes	OCCPS	OCCPL	OCBRG (Green)	OCBARG	OCAFRP (Red push door)	OCASGP (Green push door)	OCCCRP (Red push door)
Power supply	85-264VAC	85-264VAC	15-36V	15-36V	15-36V	15-36V	15-36V
Power consumption	75W	320W	30mA @ 24V	70mA @ 24V	30mA @ 24V	30mA @ 24V	30mA @ 24V
Humidity range	95% non-condensing	95% non-condensing	0-90% non condensing	0-90% non condensing	0-90% non condensing	0-90% non condensing	0-90% non condensing
Temperature range	-5°C to +40°C	-5°C to +40°C	-5°C to +40°C	-5°C to +40°C	-5°C to +40°C	-5°C to +40°C	-5°C to +40°C
Indicators	5" TFT plus fault LEDs	5" TFT plus fault LEDs	Status	Status	Status	Status	Status
Remote signalling of fault	NC fault output	NC fault output	Via master station	Via master station	Via master station	Via master station	Via master station
Dimensions (mm)	430 x 430 x 190	430 x 847 x 190	150 x 90	134 x 134 x 64	130 x 350 x 80	130 x 350 x 80	130 x 395 x 80
Dimensions (bezel)	470 x 470	470 x 887	N/A	154 x 154	170 x 390	170 x 390	170 x 435
Dimensions (bezel cut out)	440 x 440	440 x 857	N/A	136 x 136	138 x 358	138 x 358	138 x 403
Knock outs	20mm x 30 (Top)	20mm x 30 (Top)	20mm	20mm & 25mm	20mm	20mm	20mm
Batteries supplied	Sized per project	Sized per project	Powered from the system	Powered from the system	Powered from the system	Powered from the system	Powered from the system
Finish	RAL 9005	RAL 9005	RAL 6024	RAL 6024	RAL 3020	RAL 6024	RAL 3020 Fire telephone RAL 6024 Refuge remote
Backbox required	N/A	N/A	Requires double gang backbox, minimum 47mm deep (Not supplied as standard)	N/A	N/A	N/A	N/A



BALDWIN BOX▲LL

LEADING THE WAY TO SAFETY

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*Patent pending - GB26051525 & EP4302472

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