

Control Panel 48-way

Compliant to BS5839-9:2021 & BS8300-2:2018



OmniCare

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PANEL FEATURES:

- Grey finish (BVOC48). Also available in stainless steel (BVOC48S).
- Surface mounting unit (can be flush mounted using a bezel - product code BVCRFB1). Rack mounting kit available (BVCRM1).
- Lockable glazed door.
- Handset volume control and 'listening' facility.
- Output for unanswered call indicator; with adjustable delay. (Remote lamp/buzzer available - code BVOCCA.)
- Indicators for: in use/occupied, call, fault, power, charger and speech volume.
- Volt free contact - operated when in fault, set during installation.
- Backup batteries are housed in a separate battery box.

OMNICARE SYSTEM FEATURES:

- Multiple master/slave panels can be linked in one system.
- Full system monitoring.
- Choice of outstations, including disabled toilet alarms (addressable via the remote unit).
- Link to fire detection system prevents hoax disabled refuge calls (toilet alarms and fire telephones remain active). Can be completely or partly overridden.
- Speech steered (disabled refuge remotes) and full duplex speech (fire telephones and emergency telephones).
- Battery backed for use in the event of mains power failure (24 hours in standby plus three hours use, as standard. These times can be increased if required. Please contact our Sales Department for advice).
- Wired in a loop configuration. (Please refer to our separate cabling information leaflet.)

GENERAL SYSTEM INFORMATION:

- There are two main components - the master control panel(s) and the remote units.
- Remote units are wired in a ring circuit configuration and are 'self-learning', with an auto-commissioning feature.
- The ring circuit technology enables continued operation in the event of a cable break.
- Any combination of remote units can be linked to the control panel on a single wiring loop.
- The master control panel is typically wall mounted in a central control room.
- Remote units are wall mounted in locations such as refuge areas, stairwells, fallback positions, corridors and other 'gathering' points, at a height easily reached by users.
- More than one master panel can be placed on the ring circuit, thus allowing control of local areas.

Maintenance Service Contracts Available:

Complimentary Maintenance Log Book Available:

EVC System Maintenance Log Book

Cabling information:

Download Cabling Information

BVOC48M: OMNICARE 48-way MASTER CONTROL PANEL SPECIFICATION:

Power supply	230V AC
Power consumption (VA)	10VA + 1VA per remote handset fitted
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	410 x 455 x 200
Bezel dimensions mm W x H (radius)	461 x 506 (25)
Bezel cut out mm	420 x 465
Knockouts/cable entry points	20mm diameter top & rear
Mounting position	Vertical centre of controls should be at a height of 1.4-1.5m (BS5839-9)
Batteries supplied as standard	1 x pair BY60FT (60 Amp/Hr)
Weight	14.6 kg
Finish	RAL 7038

SYSTEM REQUIREMENTS:

- Fire rated enhanced four core, colour coded, cable with a screen must be used for fire fighting systems.
- Standard fire resisting cables could be considered suitable for some systems - refer to BS5839-9:2021 for details.
- A repeater unit (BVOCRIF) must be used if the distance between remotes exceeds 200m.
- Disabled refuge, advance disabled refuge, fire telephone, emergency/steward telephone, combined DRS/fire telephone and toilet alarm units can be placed on the same loop.
- Typically 20-30 remotes per loop.
- Repeater units (BVOCRIF) are used to connect the toilet alarms (DTAKIT) to the system. Up to two (3-part)

DTAKITs can be connected to a BVOCRIF. (Alternatively one DTAKIT with an additional pull cord can be installed. Useful for rooms with two points of call, e.g. a toilet cubicle or shower area.)

- No local power required for any outstation, including disabled toilet alarms.
- The capacitance of MICC cable varies between manufacturers, if the specification is for 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 4-core with screen: 100m
 - MICC heavyweight 4-core with screen: 200m
 - Enhanced colour coded 4-core with screen: 200m (recommended by Baldwin Boxall).



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