

# OmnicarePLUS

## Multi-Exchange EVC

A standard Omnicare system has the ability to connect to a maximum of 127 outstations. The development of OmnicarePLUS has enabled the installation of much larger scale systems.

OmnicarePLUS is made up of multiple BS5839-9 compliant 'local' systems which are then connected to form a network.

The benefit of OmnicarePLUS is the ability to communicate with any outstation on any part of the network from a single 'point'. This site-wide control is via a graphical touch screen(s).

## OmnicarePLUS

### FEATURES & BENEFITS:

- Ability to connect up to 125 local control points, each with 64 outstations - making it possible to connect up to 8,000 remotes.
- Compatible with the entire range of Omnicare outstations.
- Choice of copper and fibre (single or multi-mode) networking.
- Multi-layer graphical touch screen control - see the location of the remote calling.
- Automatic incoming call queuing, with indication of number of waiting calls.
- Multiple touch screen control locations, with optional mimicking of status and faults.
- Incoming call logging and audio recording via touch screen control locations.
- All site wiring fully monitored for faults and any faults will be reported and recorded in a time and date stamped log.
- The network is fault tolerant so that the system will continue to operate in the presence of a single fault.
- Calls can be accepted locally at Omnicare panels.
- Optional pin number based access control at touch screen control locations.
- Activity reporting including faults detected, with date and time stamp.
- 'All call' announcements can be made via an MCP - paging will be heard at all fire telephones, steward telephones and occupied disabled refuge points.
- A conference call can be initiated from the MCP or an LCP to communicate with the fire and steward telephones connected to a single LCP.

### ABOUT OMNICAREPLUS:

Site-wide system control is carried out by the use of a graphic layout on a touch screen PC (Master Control Point/MCP). The graphic on the screen is multi-layer - providing the user with an easy-to-use, and instantly recognisable interface for the system.

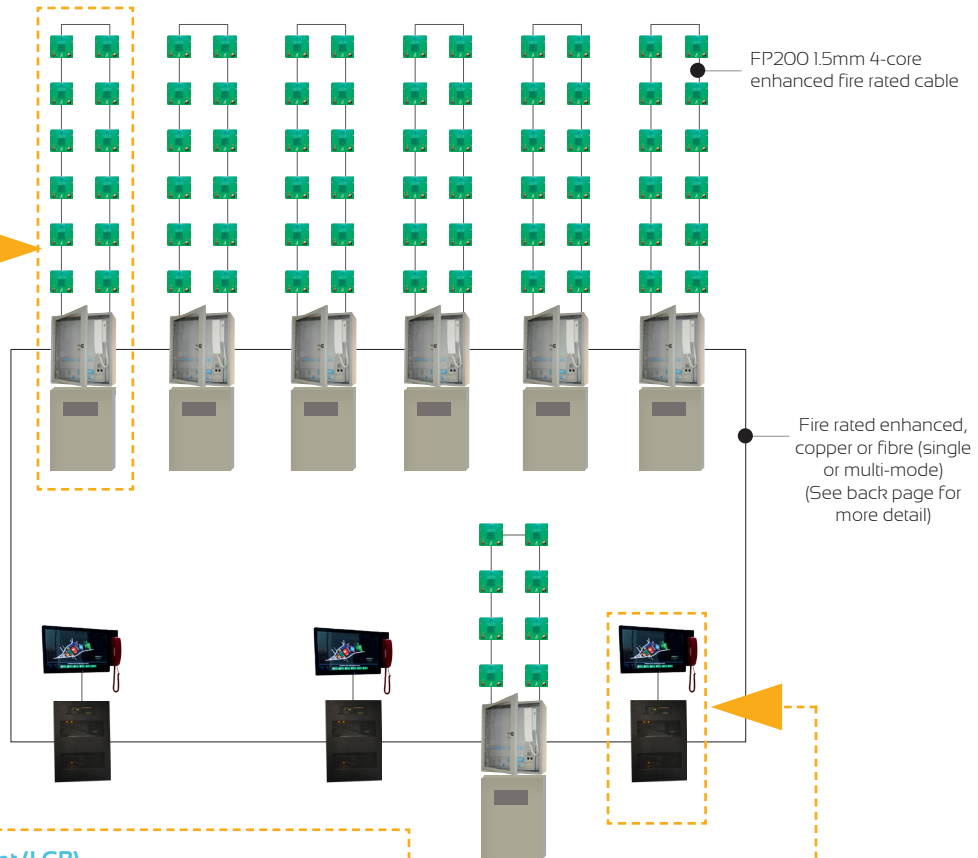
OmnicarePLUS is not limited to a single touch screen control point - additional points can be added to the system, enabling placement in alternative control or security rooms. These will be slaves/mimic panels - unless full control is transferred to the panel due to compromise of the master control point or if required by the user(s).

For 'local area' control (i.e. control of the outstations on a single floor/area/building block) specially designed Omnicare panels (Local Control Panel/LCP) are employed. Up to 64 outstations can be connected to a local control panel. Each local control panel is able to communicate with the outstations connected to that unit.

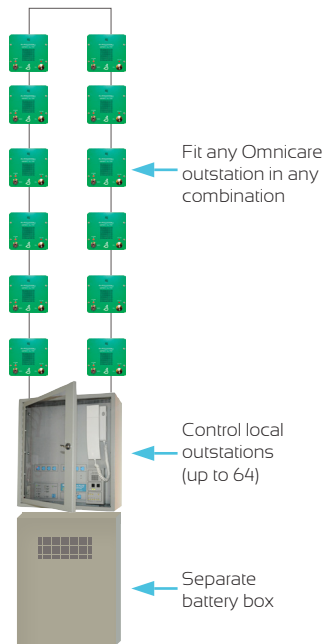
The system is compatible with all of the outstations available in the Omnicare range. These can be connected in any combination to each local area control panel. Outstations available:

- Disabled refuge - Standard & Advance types.
- Fire telephones.
- Steward telephones.
- Combined disabled refuge/fire telephone.
- Disabled toilet alarms.

# Sample System Layout & Control:

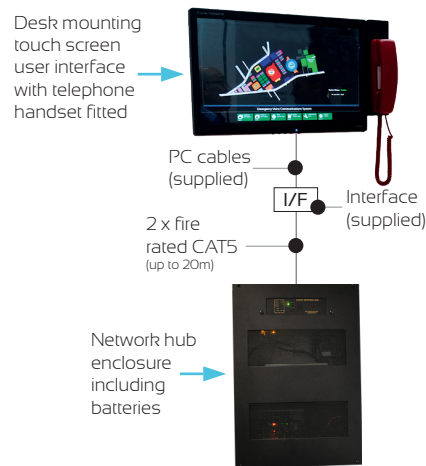


## Local Control Point (LCP)



- Local control - communicate with outstations directly connected to the panel.
- Maximum of 64 outstations per LCP.
- Communicate with outstations directly terminated to the LCP (i.e. in the sample shown above, this LCP can accept calls from the 12 refuge remotes connected).
- An 'all call' from an LCP will page the fire telephones, steward telephones and occupied refuge points connected to that LCP.
- A conference call from an LCP can communicate with outstations connected to that LCP.
- BS5839-9 compliant.

## Master Control Point (MCP)



- Site wide control - communicate with any of the outstations on the entire network.
- The graphics will include data from all the LCPs on the system.
- Provides time and date stamp activity logs.
- Fit multiple MCPs - use of one automatically temporarily 'switches off' other MCP on the network (requirement of BS5839-9).
- An 'all call' from the MCP will page all fire telephones, steward telephones and occupied disabled refuge points
- A conference call from an MCP can only include outstations connected to a single LCP.

# Master Control Point (MCP) - Touch Screen, Site Wide Control

## SUMMARY:

- Central, site-wide, control of the system is via a graphical layer touch screen - this is the master control point.
- The master control point can communicate with every single outstation on the system (one at a time, as is the requirement of BS5839-9).
- Additional control points can be added to the system, enabling placement in alternative control or security rooms. These will be slaves/mimic panels unless full control is transferred to the panel due to compromise of the master control point or as required by the user(s).
- Each master control point includes:
  - A High Definition touch screen.
  - A 'Network Control Hub' which connects to the touch screen via an interface (supplied).
- The Network Control Hub enclosure includes batteries to provide system power in the event of a mains power failure - 24 hours quiescent and three hours at full operation (this does not include cover for the PC or screen).
- Each power output is protected by a re-settable fuse rated at 2.5A.
- The master control point is not covered by BS5839-9. However, in the unlikely event of PC failure, the Local Control Points will continue to function normally and can be used independently. Or, if fitted an alternative master control point on the network will remain functional and control of the system will be unaffected.

## FEATURES:

- Touch screen interface for straight forward control of all the outstations on the system.
- Incoming calls from outstations are queued in call order and calls are recorded.
- Ability to connect multiple touch screen control points across the system - control can be easily switched between each point as required.
- The graphical user interface provides two-way voice communication to any activated remote.
- User friendly High Definition (HD) touch screen interface.
- When an outstation is activated, the topographical location of the outstation is indicated at the touch screen display.
- Choose from screen-mounted or desk-mounted telephone handset options.

### The MCP

HD touch screen control with mounted handset



Network Control Hub

Multiple touch screen control points possible on a single system network

# Local Area Control - Local Control Panel (LCP)

## SUMMARY:

- Local system control is taken care of by use of OmnicarePLUS panels each supplied with a separate battery box.
- The LCP can communicate with the outstations that are connected (terminated) to the panel.
- Connect any style of Omnicare outstation, in any combination to each panel.
- Multiple panels can be fitted on the system network - each controlling its own locally connected outstations.
- A call from an outstation can be accepted and dealt with at the locally connected LCP (or at a site-wide MCP).

## FEATURES:

- Local network control panel with battery back up (options up to 64-way).
- Panel fitted with:
  - DSP routing control
  - Power supply charger
  - Network card
- Lockable enclosure.
- Wall surface or flush mountable.
- Monitors status of all remotes on addressable loops.
- Status display indicating state of the system.
- BS5839-9 compliant standalone control panel.
- Labelling of individual buttons to identify location of remote device.
- Ability to connect up to 64 outstations to each panel.

### The LCP

OmnicarePLUS panel (8-way option pictured)



Battery box enclosure (batteries included with each order).

# Specifications & Cabling

Enclosure Details	Product Code	Finish	Dimensions W x H x D (mm)		Knockouts		Weight (kg)
			Enclosure	Bezel Cut Out	Diam.	Quantity Location	
Network control hub	BVOCTSHUB	Black RAL 9005	500 x 725 x 200	n/a	20 9.5	16 top 2 top & 2 bottom	20.5
Local control panel 8-way	BVOCTSC08	Grey RAL 7038 or Brushed stainless steel	410 x 455 x 200	420 x 465	20	9 top & 12 rear	27.08
Local control panel 16-way	BVOCTSC16						28.05
Local control panel 32-way	BVOCTSC32						29.05
Local control panel 48-way	BVOCTSC48						30.05
Local control panel 64-way	BVOCTSC64						31.05
Local control battery box 1	BVOBATT*	Grey RAL 7038	410 x 290 x 200	n/a	20	3 top & 2 rear	6.4
Local control battery box 2	BVOBATT2*		410 x 600 x 200			2 top	13.5

\* Alternative sized battery boxes may be required.

## Cabling & Networking

- The MCP and LCPs are wired in a loop configuration to minimise cabling.
- The loop can be either copper, fibre or a combination of copper and fibre.
- Fibre network cabling (ST connectors required):
  - Fire rated enhanced - two cores required.
  - Multi-mode fibre types & distances:  
OM1 (62.5/125) - 3km, OM2 (50/125) - 2km or OM3 (50/125) - 2km.
  - Single-mode fibre types & distances:  
OS1 (9/125) - 4km, or OS2 (9/125) - 4km.
- Copper network cabling:
  - Fire rated enhanced (FP200 cable recommended).
  - 1.5mm, four-core - up to 300m distances.
- Each MCP and LCP will require the appropriate network cards and modules and will be included within our system design.

### Outstation cabling:

- Outstations are installed on copper loops (4-core enhanced fire rated, e.g. FP200) with a maximum distance of 200m between them (for longer distances repeater units can be fitted).



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