EMERGENCY VOICE COMMUNICATIONS

REPEATER UNIT

VIGIL **OmniCare**

OmniCare is an addressable voice communication system that allows disabled refuge, fire telephones, emergency/steward telephones and disabled toilet alarms to be connected to one master control panel. The BVFREPEM repeater unit is used to connect toilet alarms to the system and also to extend cable runs.

FEATURES:

- The BVFREPEM repeater unit performs three functions:

  - As a booster unit to enable cable runs exceeding 200 metres between remote units.

  - As an interface for the BVOCDTA toilet alarm system.

  - As a remote power monitor.

- Any number of toilet alarms can be fitted to a single repeater unit (will show as one point on the control panel).

- Repeater units are not seen as an 'address' on the control panel - unless connected to a disabled toilet alarm.

- Internal termination board includes loop through connector for testing site wiring.

- Self powered from the ring circuit.

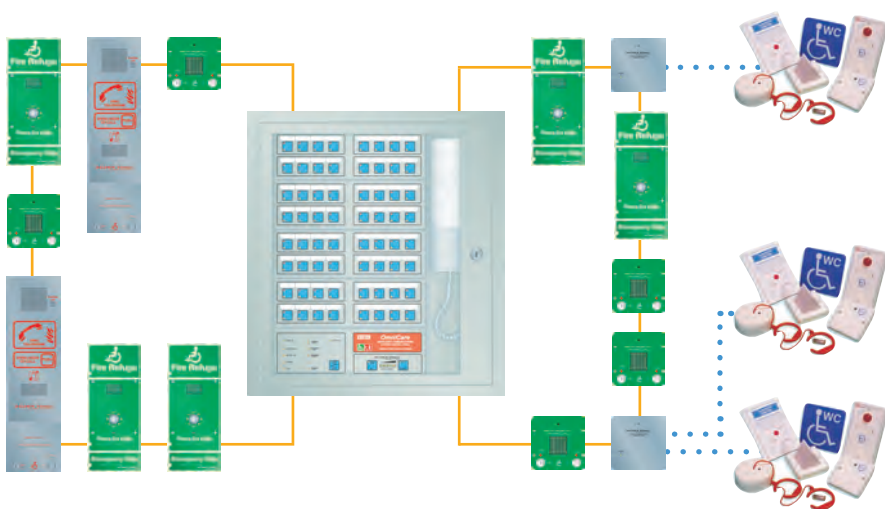- Surface mountable.

- Zintec finish.

SYSTEM REQUIREMENTS:

- Fire rated enhanced four core cable with a screen must be used for loops. (Baldwin Boxall recommends soft skinned, colour coded).

- Up to 200m cable run between remote units and master control panel as standard.

- A repeater unit (BVFREPEM) must be used if 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.

- A ring circuit configuration must be used to wire the remote units.

- Typically 20-30 remotes per loop.

- Repeater units (BVFREPEM) are used to connect the toilet alarms to the system.

BVFREPEM SPECIFICATION:

Power supply	12-40V DC self powered from ring circuit
Power consumption	30mA @30V typical
Weight	1kg
Humidity range	95% non-condensing
Temperature range	-10°C to +40°C
Indicators	System healthy
Finish	Zintec
Dimensions mm WxHxD	134 x 134 x 56
Knockouts/cable entry points	7 (20mm & 26mm)

TYPICAL SYSTEM AND NETWORKING SOLUTIONS:

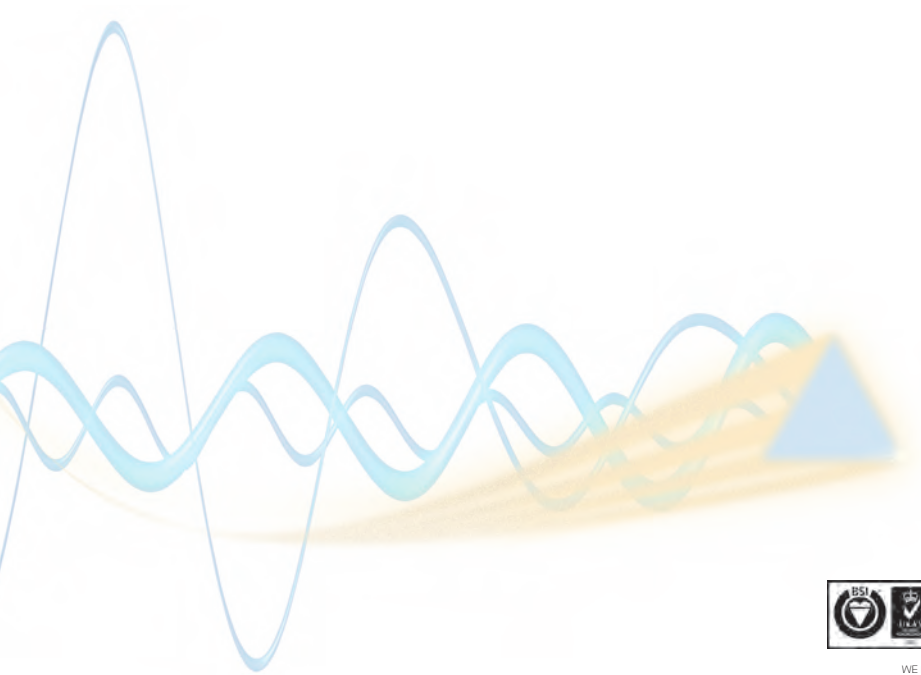Typical system - placing any type of remote on a single loop.

Typically 20-30 remotes per single loop.

Disabled toilet alarms connected to OmniCare system via a repeater unit (BVFREPEM).

Any number of disabled toilet alarms can be connected per repeater, however, they will show as one call point on the master control panel.

KEY:

— Enhanced 4-core fire rated cable.

· · · · · · 4-core security cable (not fire rated).

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