VoCALL 16 EVCS

The Eaton VoCALL 16 is a high specification loop driven intelligent emergency voice communication system offering sophisticated functionality along with simple end user operation.

VoCALL16 is designed to ensure simplicity of future expansion, a maximum of 16 outstations of various types can be controlled from one master panel.

Loop wiring ensures the system is fault tolerant through the use of short circuit isolators, and continuous fault monitoring ensures high availability. The system uses digital audio transmission to maintain audio quality and intelligibility when it matters most.

The simplicity of operation, ease of cabling and competitive pricing make the system suitable for a wide range of applications. In combination with our range of soft addressed digital outstations this stand-alone system reduces the labour and materials cost along with the potential for wiring errors associated with traditional spur systems. Extensive time stamped logs and records are stored internally on the SD card.

Features

- Up to 16 digital outstations per panel
- 4 core loop configuration
- Soft addressing of outstations
- SD card integration
- Stainless steel flush mounting option
- Ease of programming
- Large graphic user interface
- PIN protected user levels

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VoCALL 16 EVCS

Benefits

- Simple to operate
- End user graphical interface
- Full range of compatible outstations
- Easy to design system
- Simple commissioning
- Easily maintained and backed up
- Secure access for standard users
- Quick and simple identification of outstation in use

Installation

- The panel is designed for ease of installation with a full range of knockouts on all surfaces along with a substantial rear entry cut-out.
- Up to 200m max between outstations.
- Up to 2000m total loop length.
- 4 core 1.5mm cable loop (check local standards for cable type and installation regulations).
- Panels are provided with a keyhole type mounting on the rear for ease of installation and alignment.
- Key operated hinged lockable door.
- Mains input protection is provided via a resettable fuse.
- Comprehensive installation and operation manual is provided on the SD card in each panel and online.

Capacity

- Up to 16 outstations in total, non-networkable system.
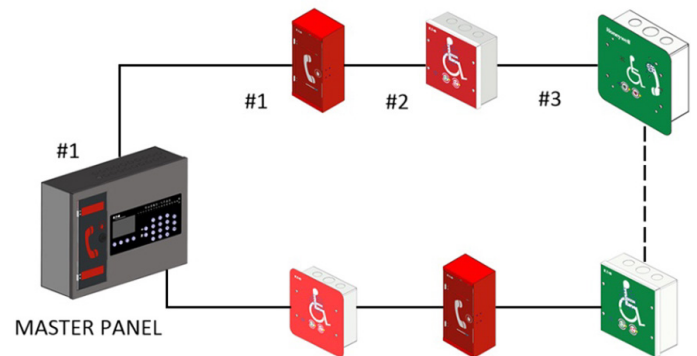- All digital outstations Type A and Type B can be connected on the loop in any order.

Functionality

- Panel has facility for 10 users with access profiles set during commissioning for example user, supervisor and engineer.
- Supervisor and engineer modes can only be accessed via the relevant PIN codes.
- Users can be configured to receive, make and reset a call, view fault / event / call log, functions, view panel version, accept system faults, set date/time etc.
- The unit has digital audio transmission and automatic volume control to optimize clarity of communication between outstation and master.
- Engineer mode allows alteration to the system configuration such as change all PINs, panel settings, site name, panel name relay settings, addition or removal of outstations.
- VoCALL16 is designed to ensure simplicity of future expansion up to 16 outstations.
- In the event of an external short circuit occurring the system will operate the integral short circuit isolators on the devices nearest to each side of the short. The panel will then drive communication from both sides of the loop thus maintaining full communication with all outstations.

User interface

- The main element of the user interface is a large 100mm x 40mm display that provides comprehensive user information which along with the large tactile standard mechanical keypad allows for ease of operation in an emergency situation even with gloved hands.
- In addition to the graphical user interface there are 16 numbered LEDs to provide instant clear indication as to which outstation is calling even to an untrained user unfamiliar with the operation of the unit.

Wiring and installation

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Technical specification

Power supply

Input voltage	230V ± 10% RMS 50/60Hz AC - input to Power supply
Current consumption @ 24V:	Battery back-up 2 x Yuasa 12Ah 12v batteries not supplied
VoCALL16 EVCS	2.7W
Type A outstation	0.65W
Type B outstation	0.65W

Mechanical

Dimensions (H x W x D mm)	
VoCALL16 EVCS	487 x 355 x 158 mm
Type A outstation	320 x 152 x 114 mm
Type B outstation	132 x 132 x 57 mm
Weight (VoCALL16 EVCS)	6.7kg
Weight (Type A outstation)	2.2kg
Weight (Type B outstation)	0.6kg

Environmental

Temperature (Storage)	-5°C to +40°C
Temperature (Operation)	-5°C to +40°C
Humidity range	0% to 95% non-condensing

Product order codes

Order code	Description
MX16	VoCall 16 Master Panel
MX16-SSC	VoCall 16 Master Panel Stainless Steel Flush Cover
TA16-RS	Type A outstation (Red, Surface Mount)
TA16-BEZ	Type A outstation (Bezel, Red, Flush Mount)
TB16-GS	Type B outstation (Green, Surface Mount)
TB16-GF	Type B outstation (Green, Flush Mount)
TA16-RF	Type B outstation (Red, Flush Mount)
TB16-RS	Type B outstation (Red, Surface Mount)

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