STAND-ALONE NETWORK 16

Emergency Voice Communication System

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

Network 16 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 AND BENEFITS

- 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
- 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

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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 200 m max between outstations.
- Up to 2000 m total loop length.
- 4 core 1.5 mm 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.
- Network 16 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 100 mm x 40 mm 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.

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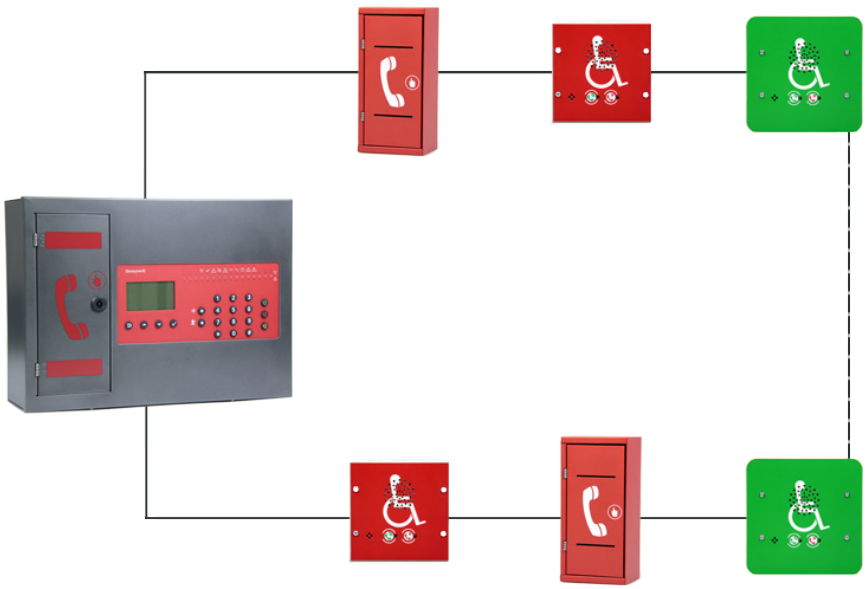
WIRING AND INSTALLATION



STAND-ALONE NETWORK 16 TECHNICAL SPECIFICATIONS

POWER SUPPLY	
Input Voltage	230 V ± 10 % RMS 50/60 Hz AC - input to Power supply
Current consumption @ 24V:	Battery back-up 2 x Yuasa 12 Ah 12 v batteries not supplied
Network 16 EVCS	2.7 W
Type A outstation	0.65 W
Type B outstation	0.65 W

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

PART NUMBERS	
DESCRIPTION	ORDER CODE
Network 16 Master Panel	EVCS-MPX-16
Digital Type A Outstation Red Surface	EVCS-HSA-RS-D
Type A Outstation Flush Shroud - Red	TA16-BEZ
Digital Type A Outstation Ss Surface	EVCS-HSA-SS-D
Type A Outstation Flush Shroud - Ss	TA16-SS-BEZ
Digital Type B Outstation Green Surface	EVCS-CSB-GS-D
Digital Type B Outstation Green Flush	EVCS-CSB-GF-D
Digital Type B Outstation Red Surface	EVCS-CSB-RS-D
Digital Type B Outstation Red Flush	EVCS-CSB-RF-D
Digital Type B Outstation Ss Surface	EVCS-CSB-SS-D
Digital Type B Outstation Ss Flush	EVCS-CSB-SF-D
Digital Jack Type Outstation -Suface	EVCS-WJPS-D
Jack Type Additional Plate - Flush Ss	EVCS-WJPPSF-D
Digital Toilet Alarm - Surface	EVCS-TAP-D
Master Panel Stainless Steel Flush Cover	MX16-SSC
Remote Jack Handset	EVCS-HANDSET

MECHANICAL	
DIMENSIONS (H x W x D mm)	
Network 16	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	
Network 16	6.7 Kg
Type A outstation	2.2 Kg
Type B outstation	0.6 Kg

For more information
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Digital Network16 01 I 02/2020

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