VARIODYN D1
Ethernet Touch Call Station ETCS

Application

ETCS adopts 7" touch screen for display and operation which provides a user friendly interface. 4 bi-color LEDs are used for status indications which include microphone fault, system fault and connection states of two redundant cables. A red button with cover can be configured for emergency announcement. The gooseneck microphone is replaceable and monitored by ETCS. The loudspeaker can be used for pre-listening audio files locally and intercom between the call stations.

ETCS is prepared for redundant cable connection to the Ethernet network. It can be powered by Power over Ethernet (PoE) devices through the Ethernet cable or with an optional power adapter. An USB stick can be connected to ETCS to make it very easy to play individual audio files. ETCS provides an external audio input and output which can be used for connecting audio devices such as CD players. If more keys and/or LEDs are needed, it is possible to add up to three digital key modules (DKM plus, 583526).

ETCS can monitor the microphone and cables permanently. It can also be monitored and configured via the network. It supports multi-language display and the languages can be switched dynamically without resetting the device. There are three types of user permissions which can provide different layouts and operations for each user. Up to 1 hour speech or audio can be saved and played locally. Two icons are used to indicate if there is any call active or a system fault has occurred. The active call list and system fault list can be easily checked in any page.

ETCS supports manual calls or pre-defined calls as home page. For manual calls, after selecting the target zones and/or groups, five different audio sources can be selected which include USB stick audio files, local storage audio files, recorded audio files, network audio files and live announcement. For pre-defined calls, when the call is activated, it will directly play pre-recorded messages on target zones/groups which are all configured in advance by configuration tool. The call volume can be adjusted during the calls.

The ETCS is part of the EN 54-16 approval of the PA/VA system VARIODYN D1

FEATURES & BENEFITS

- 7" touch screen and user friendly interface
- The ETCS is part of the EN 54-16 approval of the PA/VA system VARIODYN D1
- Red button with cover for emergency announcement
- Replaceable electret gooseneck micro-phone with uni-directional pattern

- Loudspeaker for pre-listening audios locally and intercom between the call stations (ETCS and DCS series)
- High failure safety due to redundant transmission route
- Network cable via Ethernet
- Powered by PoE devices or extended power adapter

- USB stick can be connected to play audio files
- Additional audio input/output for audio devices
- Max 3 key modules (DKM plus) which has 18 keys and 18 LEDs each can be extended
- Permanent monitor-ing of the microphone and cables

- Remote monitoring and configuration via the network
- Support multi-language display
- Three types of user permissions for different layouts and operations
- Speech or audio memory up to 1 hour

- Active call list and system fault list can be easily checked in any page
- Support manual calls and pre-defined calls which can be set as home page
- Volume can be adjusted during the calls

Ethernet Touch Call Station Specification

TECHNICAL DATA	
AUDIO OUTPUT:	
NOMINAL LEVEL	0 dBu +/- 0,5 dBu
TRANSMISSION RANGE	0 … 20000 Hz
AUDIO INPUT::	
NOMINAL LEVEL	0 dBu
COMMON TECHNICAL DATA:	
MICROPHONE	Electret, uni-directional
SWAN-NECK	400 mm
LOUDSPEAKER	2 W
SAMPLE RATE	48 kHz
CURRENT CONSUMPTION	Max. 6 W
AMBIENT TEMPERATURE	-5 bis +45 ºC
AIR HUMIDITY	15 % … 95 % rel. hum. (non-condensing)
COLOR	black, similar to RAL 9005
WEIGHT	approx. 1.65 kg
DIMENSIONS (W X L X D)	200 × 49.4 × 200 mm
DECLARATION OF PERFORMANCE	

ORDER INFORMATION	PART NO.
ETHERNET TOUCH CALL STATION*	583527
ACCESSORIES	
DIGITAL KEY MODULE DKM PLUS FOR ETCS	583526
POWER OVER ETHERNET (POE) SWITCH	583396

*A 3 m long CAT5 cable for connecting the digital communication unit to a wall jack, is included in delivery scope.

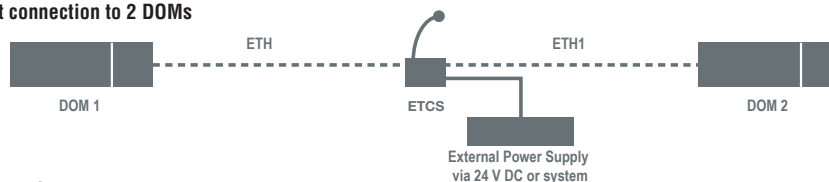## Connection via PoE Switch

Redundant connection* to 2 DOMs

| DOM 1 | | ETH1 | PoE Switch | ETH1 | ETCS | ETH2 | PoE Switch | ETH2 | DOM 2 | |

*If the ETCS is used in a PA/VA application for emergency messages the redundant connection must be used.

Single connection

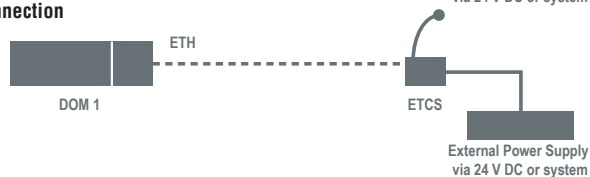| DOM 1 | | ETH1 | PoE Switch | ETH1 | ETCS |

Connection via external power supply

Redundant connection to 2 DOMs

| DOM 1 | | ETH | ETCS | ETH1 | DOM 2 | |

External Power Supply
via 24 V DC or system

Single connection

| DOM 1 | | ETH | ETCS |

External Power Supply
via 24 V DC or system

For more information
www.esser-systems.com

Honeywell