# VARIODYN ONE

## Ethernet Touch Screen Call Station ETCS

### APPLICATION





The ETCS adopts a 7" touch screen for display and operation which provides a user friendly interface. 4 bi-colour 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 an emergency announcement. The gooseneck microphone is replaceable and monitored by the ETCS. The loudspeaker can be used for pre-listening audio files locally and as an intercom between the call stations.

The ETCS allows for a 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. A USB stick can be connected to the ETCS to make it very easy to play individual audio files. The 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).

The ETCS monitors 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 27 hours speech or audio can be saved and played locally. Two icons are used to indicate if there is any call active or if a system fault has occurred. The active call list, system fault list and recent call list can easily be checked in any page.

The ETCS supports manual calls or pre-defined calls on the 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 to the target zones/ groups which are all configured in advance by the system configuration tool. The call volume of non emergency announcements/ audio can be adjusted during the calls.

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

### FEATURES AND BENEFITS

- 7" touch screen and user friendly interface
- The ETCS is part of the BS EN 54-16 approval of the VA/PA system VARIODYN ONE
- Red button with cover for emergency announcement
- Replaceable electret gooseneck microphone with unidirectional pattern
- Loudspeaker for pre-listening audio locally and intercom functionality between the call stations (ETCS and DCS series)
- Enhanced 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 added
- Permanent monitoring of the microphone and cables
- Remote monitoring and configuration via the network
- Supports multi-language display
- Three types of user permissions for different layouts and operations
- Speech or audio memory up to 27 hours
- Active call list, system fault list and recent call list can easily be checked in any page
- Supports manual calls and pre-defined calls which can be set as the home page
- Volume can be adjusted during the calls

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## ETCS TECHNICAL SPECIFICATIONS

| TECHNICAL DATA | |
|---|---|
| **AUDIO OUTPUT** | |
| Nominal Level | 0 dBu +/- 0.5 dBu |
| Transmission Range | 0 - 20 kHz |
| **AUDIO INTPUT** | |
| 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 °C to +45 °C |
| Air Humidity | 15 % - 95 % rel. hum. (non-condensing) |
| Colour | Black, similar to RAL 9005 |
| Weight | 1.65 kg |
| Dimensions (WxHxD) | 200 mm × 49.4 mm × 200 mm |

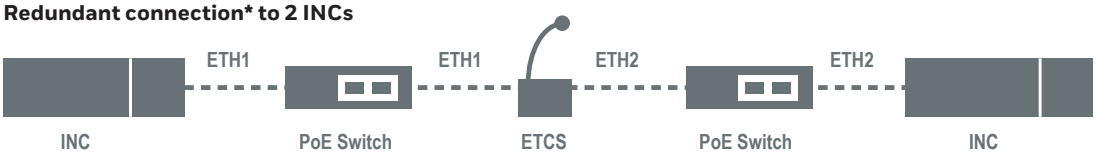
## ORDER INFORMATION

| PART NO. | DESCRIPTION |
|---|---|
| 583527 | Ethernet Touch Screen Call Station* |
| 583526 | Digital key module DKM plus for ETCS |
| 583396 | Power over Ethernet (PoE) Switch |

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

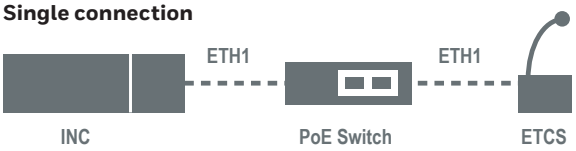
## CONNECTION VIA POE SWITCH

### Redundant connection* to 2 INCs



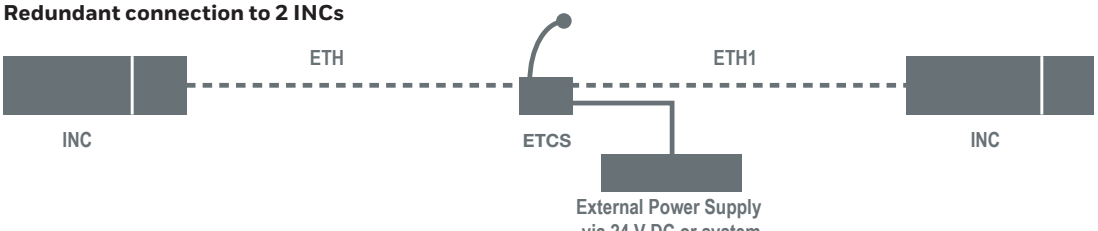

**If the ETCS is used in a PA/VA application for emergency messages the redundant connection must be used.*

### Single connection




## CONNECTION VIA EXTERNAL POWER SUPPLY

### Redundant connection to 2 INCs




### Single connection





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