VARIODYN® D1
Digital Call Station DCS15 / DCS2

- **Cost-effective Cat5 cabling**
- **Electret swan-neck microphone with cardioid diagram**
- **Constant monitoring of the microphone and the transmission line to the subsequent interface module**
- **Broadband loudspeaker for microphone monitoring, playback of messages, and for intercom operation**
- **24-Bit-AD/DA converter**
- **Additional audio input/output (DCS15); for example, for audio devices such as CD players**
- **Talk-back function with other communication stations via integrated loudspeaker possible**

Application

The Digital Call Station DCS15 and DCS2 with the Digital Keyboard Module DKM18 allow for the selection of loudspeaker circuit, the transmission of voice announcements as well as of various gongs and alarms. The communication terminal is connected to an available DAL-bus (Digital Audio Link) on the DOM (Digital Output Module) via a standard Cat5 cable. All control signals as well all audio signals are transmitted digitally.

Models

- Digital Call Station DCS15 with 12 freely configurable keys, 13 LEDs, 1 microphone and 1 loudspeaker, 1 external audio input and 1 external audio output
- Digital Call Station DCS2 with one freely configurable key, 2 LEDs, 1 microphone and 1 loudspeaker
- Digital Keyboard Module DKM18 with 18 freely configurable keys, and 18 LEDs, connectable

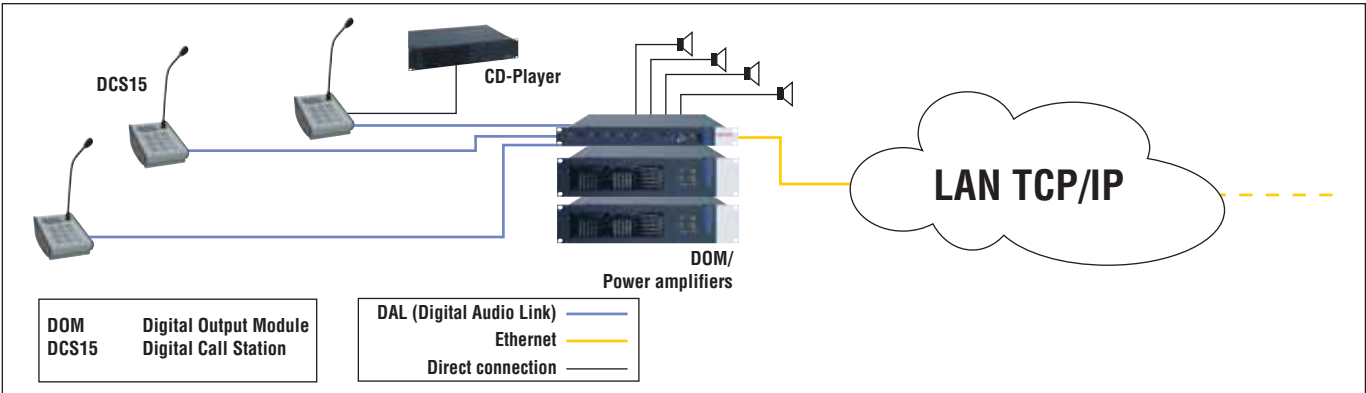*Digital Call Station DCS15 with DKM18*

Description

Up to 4 Digital Call Stations can be connected to one DOM. Naturally, each Digital Call Station in the system can generate and also receive different voice transmissions and control signals independently. A Digital Call Station can be located up to 300 m away (and can be elevated to 2,000 m with fibre optic cabling) and can expanded with up to six Digital Keyboard Modules DKM18, whereby the total number of available keys and LEDs increases to 120 per communication station. The function of the microphone in the Digital Call Station is permanently monitored. The DCS15 provides a further external audio input and output, which can be used to connect audio devices such as CD players. A 3 m long Cat5 cable to connect the Digital Call Station to a wall jack is included.

Options

- The Digital Call Station and the Digital Keyboard Module can be mounted flush with the surface of a table. One table mounting kit per unit is necessary for this.
- One transparent keyboard cover can be obtained which will protect 3 horizontally arranged keys from being unintentionally pressed. Protected keys can only be pressed when the cover is raised.

System Overview

DCS15

CD-Player

LAN TCP/IP

DOM/
Power amplifiers

| DOM | Digital Output Module |
| DCS15 | Digital Call Station |

DAL (Digital Audio Link) ———
Ethernet ———
Direct connection ———

Technical Data

Microphone — electret, cardioid diagram

Swan-neck	300 mm
Frequency range	100-15,000 Hz

Loudspeaker

Power	1 W

Audio Input

Nominal level	0 dB
Max. level	+6 dB
Transmission range	20 Hz to 22 kHz
Signal-to-noise ratio	> 95 dB
Harmonic distortion (at the nominal level)	< 0.1 %

Audio Output

Nominal level	0 dB
Transmission range	20 Hz to 22 kHz
Signal-to-noise ratio	> 85 dB
Harmonic distortion (at the nominal level)	< 0.1 %
Output impedance	180 Ohm

General Technical Data

Sample rate	48 kHz
AD/DA converter	24 Bit
Max. power consumption	150 mA
Ambient temperature range	-5°C to +55°C
Relative humidity	15 % to 90 %
Colour	side parts black, similar to RAL 9005
	body grey, similar to RAL 7037
Weight	approx. 1.6 kg
Dimension (W x H x D)	123 x 71 x 180 mm

Order information	Part No.
Digital Call Station DCS15	583301.21
Digital Call Station DCS2	583302.21
Digital Keyboard Module DKM18	583306.21
Keyboard cover	583311
Mountingset, Callstation DCS in Desk	583312
Fibre optic converter OIM	583316.21
Fibre optic converter DCS	583317.21
Power supply for FO Converter DCS O	583315.02
Wall jack AB	583307
Sticker Callstation "Honeywell"	583300.HO
Key cover Set (12 pcs)	583318