VARIODYN D1
Digital Call Station DCS15 / DCS2 redundant*

✔ **Call station for control and transmission of announcements**

✔ **Programmable push-button(s) for various functions**

✔ **Electret swan-neck microphone**

✔ **Optional fiber-optic connection for lines of up to 20 Kilometers**

✔ **Constant monitoring of the microphone and the line to the DOM**

✔ **Talk-back function with other communication stations via integrated loudspeaker**

✔ **Additional audio input/output (only DCS15); for example, for audio devices such as CD players**

✔ **Included in the EN54-16 approval of the VAPA system VARIODYN D1**

✔ **Redundant cabling***

Application
The digital call stations DCS15 and DCS2 with the digital keyboard module DKM18 allow the selection of loudspeaker circuits, the transmission of voice announcements as well as various gongs and alarms. The communication terminal is connected to an available DAL databus (Digital Audio Link) on the DOM (Digital Output Module) via a standard Cat5 cable. All control signals as well as all audio signals are transmitted digitally.

The callstation can be connected with the system by a single or redundant cabling*. This functionality can be programmed by the programming tool „Designer".

Models
- Digital call station DCS15
  12 freely configurable keys (with LEDs), 2 LEDs,
  1 microphone 1 loudspeaker, 1 external audio input,
  1 external audio output

- Digital call station DCS2
  one freely configurable key (with LED), 2 LEDs,
  1 microphone, 1 loudspeaker

- Digital keyboard module DKM18
  18 freely configurable keys (with LEDs),
  connectable

Description
Up to 4 digital call stations can be connected to one DOM. Each digital call station in the system can generate and receive different voice transmissions and control signals independently. A digital call station can be located up to 300 m away (can be increased to 20 Kilometers by using fiber-optic cabling) and can be 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 an additional 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.
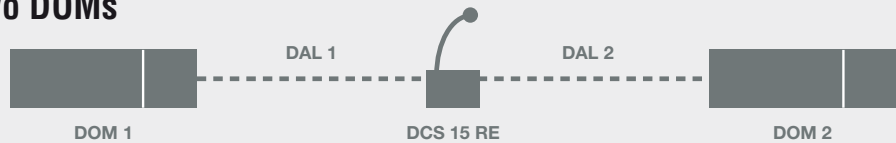
Options
- The digital call station and the digital keyboard module can be fitted into the surface of a desk. One table mounting kit per unit is necessary for this.
- A transparent keyboard cover is available which will protect 3 horizontally arranged keys from being unintentionally pressed. Protected keys can only be pressed when the cover is raised.
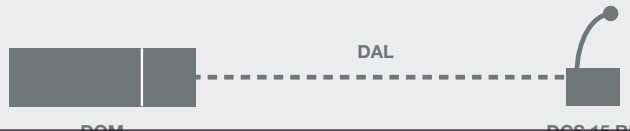
Digital Callstation
DCS15 RE with DKM18

EN 54-16   *This feature is expected for QII 2015

Redundant Connection to Two DOMs

DAL 1   DAL 2

DOM 1   DCS 15 RE   DOM 2

Single Connection

DAL

DOM   DCS 15 RE

Connections

Specifications

Microphone	Electret, cardioid diagram
Swan-neck	approx. 250 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 ... 22 kHz
Signal-to-noise ratio	> 95 dB
Harmonic distortion at the nominal level	< 0,1 %

Audio output

Nominal level	0 dBu
Transmission range	20 Hz ... 22 kHz
Signal-to-noise ratio	> 85 dB
Harmonic distortion at the nominal level	< 0,1 %
Output impedance	180 Ω

General specifications

Sample rate	48 kHz
AD/DA converter	24 Bit
Max. power consumption (average value)	70 mA
Ambient temperature range	-5°C ... +55°C
Relative humidity	15 % ... 90 %
Color	side parts black, similar to RAL 9005, body grey, similar to RAL 7037
Weight	ca. 1,6 kg
Dimensions (W x H x D)	123 x 71 x 180 mm

Order information

Order information	Part No.
Digital call station DCS15 RE	583501.RE
Digital call station DCS2 RE	583502.RE
Digital keyboard module DKM18	583506
Mounting set, call station DCS in desk	583507
Fiber-optic converter OIM	583316.21
Fiber-optic converter DCS	583317.21
Fiber-optic converter OIM Single Mode	583316.SM
Fiber-optic converter DCS Single Mode	583317.SM
Power supply for FO converter	583315.02
Wall jack AB	583307
Sticker call station „Honeywell"	583300.HO
Keyboard cover (3 keys)	583311
Key cover set (12 pcs)	583318

Please find further ordering information in the catalog for the Voice Alarm Systems group of products.

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