

VARIODYN D1

Digital Call Station DCS plus

- High failure safety due to redundant transmission route
- Cost-effective CAT5 cabling
- Electret gooseneck microphone with cardioid pattern
- Exchangeable gooseneck microphone with protection by using a specific tool to lock/unlock
- Permanent monitoring of the microphone and cable
- Mechanical protection against cable disconnection
- Build-in loudspeaker for monitoring and for intercom operation between other paging stations
- Independent additional audio input/output e.g. for audio player
- 12 freely configurable keys with independent programmable LEDs
- EN54-16 approved

The Digital Call Station DCS plus allows the selection of loudspeaker circuits, the transmission of voice announcements as well as various gongs and alarms. The digital call station is connected via a standard CAT5 cable to VARIODYN D1 DOM and Comprio control devices. All control signals, up to four simultaneous audio signals and the power supply are transmitted. Connection can be achieved by single or redundant cabling up to 300 m away and up to 20 Kilometers using fibre-optic cabling.

The Digital Call Station DCS plus can be expanded with up to six DKM plus digital keyboard modules, providing a total number of available keys and LEDs of up to 120 per communication station.

The microphone and the cable connection is permanently monitored. An additional external audio input and output is provided to enable the connection of audio devices such as CD players. A 3 m long CAT5 cable to connect the digital call station to a wall jack is included.

Models

- DCS plus Digital Call Station
12 freely configurable keys (with LEDs), 2 LEDs,
1 microphone, 1 loudspeaker, 1 external audio input,
1 external audio output
- Digital Keyboard Module DKM plus
18 freely configurable keys (with LEDs), connectable

Options

- The digital call station and the digital keyboard module can be fitted into the surface of a desk.



**Digital Callstation
DCS plus and DKM plus**



DCS plus



DKM plus

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Digital Call Station DCS plus

Redundant Connection to Two DOMs



Single Connection



TECHNICAL DATA

AUDIO OUTPUT	
NOMINAL LEVEL	0 dBu
MAX. OUTPUT LEVEL	< 6 dBu
TRANSMISSION RANGE	20 ... 22000 Hz
HARMONIC DISTORTION AT NOMINAL LEVEL	< 0.1 % @ 1 kHz
SIGNAL/NOISE RATIO	> 90 dB, A-weighting
OUTPUT IMPEDANCE	210 Ω
AUDIO INPUT	
NOMINAL LEVEL	0 dBu
TRANSMISSION RANGE	20 ... 22000 Hz
HARMONIC DISTORTION AT NOMINAL LEVEL	< 0.1 %
SIGNAL/NOISE RATIO	> 90 dB, A-weighting
GENERAL	
MICROPHONE	Electret, uni-directional
GOOSENECK	400 mm
TRANSMISSION RANGE	60 ... 20000 Hz
LOUDSPEAKER	2 W
SAMPLE RATE	48 kHz
AD/DA CONVERTER	24 Bit
CURRENT CONSUMPTION	< 70 mA
AMBIENT TEMPERATURE	-5 °C ... +45 °C
STORAGE TEMPERATURE	-10 °C ... +45 °C

GENERAL (CONTINUED)	
AIR HUMIDITY	15 % ... 95 % rel. hum. (non-condensing)
HOUSING	Metal
COLOR	Black, similar to RAL 9005
WEIGHT	Approx. 1.42 kg
DIMENSIONS (W X L X D)	200 x 49.4 x 200 mm
SPECIFICATION	EN 54-16

ORDERING

ORDER INFORMATION	
DIGITAL CALL STATION DCS PLUS	583520
DIGITAL KEYBOARD MODULE DKM PLUS	583526
FIBRE-OPTIC CONVERTER OIM	583316.21
FIBRE-OPTIC CONVERTER DCS	583317.21
FIBRE-OPTIC CONVERTER OIM SINGLE MODE	583316.SM
FIBRE-OPTIC CONVERTER DCS SINGLE MODE	583317.SM
POWER SUPPLY FOR FO CONVERTER	583315.02
WALL JACK AB	583307

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Technical information is subject to change without notice.

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