

DE 003

Digital Flush-Mounted Intercom Station



Main features

- Fixing of the loudspeaker and switch units with mounting cramps
- All switch elements with corresponding labeling field
- LED indicates incoming calls and busy lines
- Noise-compensating gooseneck microphone with dynamic compression
- Continuously adjustable microphone sensitivity and loudspeaker volume
- Monitoring of microphone function

The DE flush-mounted intercom stations are part of the INDUSTRONIC communication and public address system with digital interfaces. They are designed for use in control stations, measuring stations or control panels.

Due to the modular concept up to nine units of membrane keypads or toggle switches can be combined to one station. The intercom station is continuously and the microphone in accordance with the European standard DIN EN 60849 monitored.

Additional features

- Potential-free relay contact
- Connection via 8-channel FCC68 socket or screw clamp
- Up to 9 switch units
- Designed for optimum flush-mounting

Components

- Gooseneck microphone with an overall length of 290 mm (11 ½")
- Loudspeaker (4 LT) in instrument housing
- Switch units with foil keypad (16 DET) or with toggle switches (10 DET), each in an instrument housing
- Electronics unit (1 DES) in wall-mounted housing

Optional

- Keypad cover as protection against unintended key actuation
- Booster amplifier (25 DVT)
- DE 103 model with wireless headset (1 DTU) or handset (1 HAS 001) with integrated talk-back key

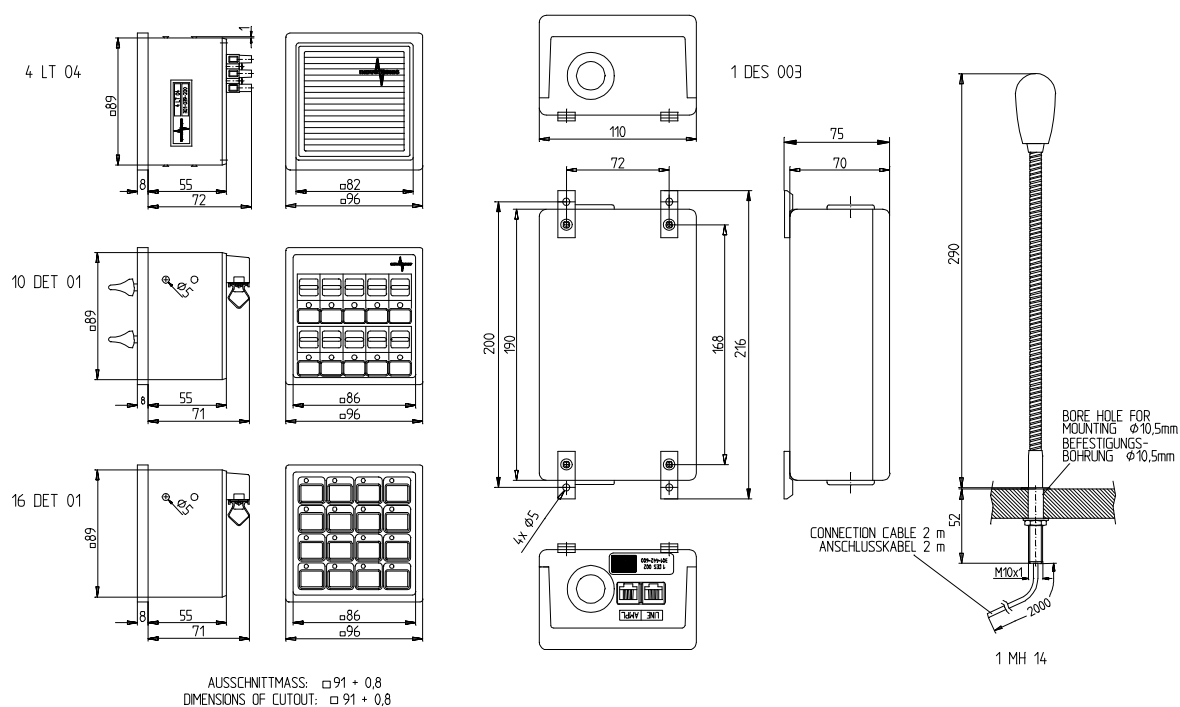


Figure 1: Dimensional drawing components of DE 003

Electrical data intercom station

• Operating voltage range	42 VDC to 72 VDC
• Quiescent, max. current consumption	50 mA, 100 mA
• Amplifier power	1 W
• Frequency range	300 Hz to 3400 Hz
• Output level AF-signal	0 dB
• Output power	5 W / 8 ohm

Electrical data booster amplifier

• Operating voltage range	42 VDC to 72 VDC
• Quiescent, max. current consumption	20 mA, 850 mA
• Output power	25 W / 400 ohm

Environmental requirements and standards

• Operating temperature	0 °C to +50 °C (32 °F to 122 °F)
• Storage temperature	0 °C to +50 °C (32 °F to 122 °F)
• Humidity non-condensing	max. 90%
• Atmospheric pressure	750 hPa to 1100 hPa
• Degree of protection	IP40
• EMC	IEC / EN 61000-6-2 IEC / EN 61000-6-4
• Monitoring of microphone acc. to	DIN EN 60849

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