

## DT 003

### Digital Desktop Intercom Station



#### Main features

- 16-piece membrane keypads or 10-piece toggle switch modules
- All keys with individual labelling area
- Call or busy signal by light emitting diodes
- Noise cancelling gooseneck microphone with dynamic compression
- Microphone sensitivity and loudspeaker volume control
- Monitoring of microphone function

The DT 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 rooms.

Modular foil-covered keypads with up to 112 keys can be housed in one station including the corresponding signaling via LED and labeling fields. For applications requiring increased stability robust switch modules with up to 70 toggle switches are available.

The intercom station is continuously and the microphone in accordance with the European standard DIN EN 60849 monitored.

#### Components

- Plastic housing (ABS) with aluminum base plate
- Gooseneck microphone 300 mm (11 3/4")
- Built-in loudspeaker 7 DLT
- Up to 7 plug-in keypads/switch modules
- Electronics unit 1 DTS
- Color RAL 9002 (grey white)

#### Options

- Keypad cover as protection against unintended key actuation
- Booster amplifier 25 DVT
- DT 103 model with connection facility for wireless headset (1 DTU) or receiver (1 HAS 001) with integrated talk-back key
- Robust microphone 360 mm (14 1/4")

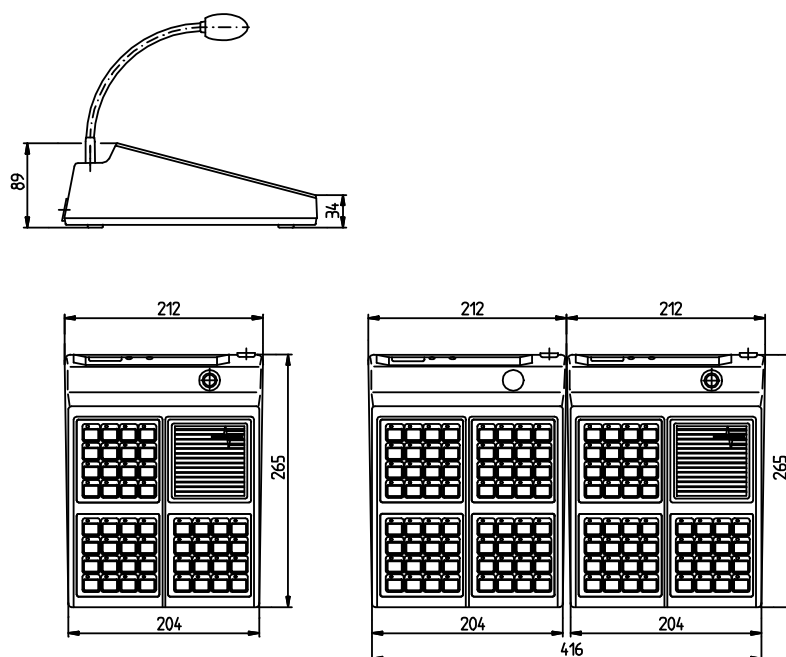


Figure 1: Dimensional drawing DT 003

#### Mechanical data

• Dimensions 1 to 3 keypads	212 mm x 265 mm x 89 mm (8 1/4" x 10 1/2" x 3 1/2")
• Dimensions 4 to 7 keypads	416 mm x 265 mm x 89 mm (16 1/2" x 10 1/2" x 3 1/2")
• Weight	1.3 kg to 3.0 kg (3 lb to 6 1/2 lb)
• Dimensions booster amplifier 25 DVT	110 mm x 189 mm x 70 mm (4 1/4" x 7 1/2" x 2 3/4")
• Weight booster amplifier 25 DVT	approx. 0.7 kg (approx. 1 1/2 lb)

#### Electrical data intercom station

• Operating voltage range	42 VDC to 72 VDC
• Quiescent, max. current consumption	50 mA , 140 mA
• Amplifier output power	1 W
• Frequency range	300 Hz to 3400 Hz
• Output level AF-signal	0 dB
• Loudspeaker	5 W / 8 ohm

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**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   |

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**Environmental requirements and standards**

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|------------------------------------|--|
| • Operating temperature            | 0 °C to +50 °C<br>(32 °F to 122 °F)      |
| • Storage temperature              | 0 °C to +50 °C<br>(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<br>IEC / EN 61000-6-4 |
| • Monitoring of microphone acc. to | DIN EN 60849                             |

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