

Digital Intercom Stations

DTM Series



Features and Functions

- Digital intercom stations for indoor use
- Different designs with up to 60 keys available
- DTM 110 with interface for handset connection
- LCD display with 4 x 20 characters
- 4 function keys and 2 status LEDs
- Noise-compensating microphone with dynamic compression
- Speaker volume and microphone sensitivity can be adjusted
- Audio bandwidth of up to 7 kHz
- Monitoring of microphone function
- Degree of protection IP41
- Potential-free relay contact

The digital intercom stations of the DTM series have been designed for indoor use in control stations, measuring stations, or offices, for example. They can be operated together with the INDUSTRONIC communication and public address systems INTRON-D and INTRON-D *plus*.

The intercom stations are available in different designs with up to 60 keys. Each device has a built-in microphone, speaker, LCD display, 4 function keys as well as 2 status LEDs. The intercom station and the microphone are permanently monitored for proper functioning to ensure reliable operation.

If required, the intercom stations can be individually equipped with a handset and a booster amplifier. When lifting the handset, the conversation automatically switches over to the handset. The optional booster amplifier enables the use of an external speaker. The potential-free relay contact can be used to control external components.

Depending on the application, the intercom stations can be placed on a table, installed into a control desk, or mounted to a wall. The housing with IP41 protects the built-in electronics against the ingress of solid objects and dripping water.

60 DTM 110 with handset



30 DTM 010 installed into a control desk



15 DTM 010/W



Different Designs

The intercom stations are available in different designs. The smaller devices provide space for 15 or 30 keys, the larger ones have 45 or 60 keys available. The key assignment of the different functions depends on the project-specific and customer-specific requirements.

You can write the name of the target or the function on the corresponding protective label. Each key has a powerful and reliable LED which can signal different states, depending on the respective function (e.g. call or busy status).

In addition, the desktop intercom stations of the FA01 or FA02 series are certified according to the EN 54-16 standard for voice alarm systems.



LCD Display

Depending on the function selected, the LCD display with 80 characters (4x20) shows different types of information, e.g. the name of your own intercom station or of the calling subscriber.



Membrane Keypads

The membrane keypads consisting of 15 keys each are dirt-resistant and can be cleaned with a wet cloth. Each key can be labeled individually.



Status LEDs

The 2 status LEDs indicate if the device is ready for operation or if there are any faults.



7 kHz Audio Bandwidth

The built-in speaker provides an audio bandwidth of 7 kHz ensuring an excellent speech intelligibility.

The optional booster amplifier enables the use of an external speaker which also provides efficient acoustic signaling of incoming calls in very loud work environments, for example.

Gooseneck Microphone or Built-in Microphone

The intercom stations are available with gooseneck microphone or built-in microphone. The electronic noise compensation and dynamic compression reduce the ambient noise and prevent microphone distortion.

4 Function Keys

The 4 function keys below the LCD display are used to adjust the speaker volume and the microphone sensitivity, for example. The LCD display provides intuitive user navigation. Define your settings in the different menus available.

DTM Series | Desktop Intercom Stations



Type	15 DTM
Description	Digital desktop intercom station with gooseneck microphone or built-in microphone, 1 keypad with 15 keys, 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.84 ft) connection cable
W x H x D	178 mm x 73 mm x 265 mm (7.01" x 2.87" x 10.43") Gooseneck microphone of DTM 010: length = 290 mm (11.42"), cable diameter: 8 mm (0.31") Gooseneck microphone of DTM 011: length = 350 mm (13.78"), cable diameter: 9 mm (0.35")
Weight	Approx. 1.1 kg (approx. 2.43 lbs)
Accessories	25 DVT 10 booster amplifier, 1 HAS 001 handset, 1 WT 500 wall-mounting bracket, mounting frame, and key covers (see "Accessories", on page 6)



Type	30 DTM
Description	Digital desktop intercom station with gooseneck microphone or built-in microphone, 2 keypads with 15 keys each (30 keys in total), 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.84 ft) connection cable
W x H x D	178 mm x 73 mm x 265 mm (7.01" x 2.87" x 10.43") Gooseneck microphone of DTM 010: length = 290 mm (11.42"), cable diameter: 8 mm (0.31") Gooseneck microphone of DTM 011: length = 350 mm (13.78"), cable diameter: 9 mm (0.35")
Weight	Approx. 1.1 kg (approx. 2.43 lbs)
Accessories	25 DVT 10 booster amplifier, 1 HAS 001 handset, 1 WT 500 wall-mounting bracket, mounting frame, and key covers (see "Accessories", on page 6)



Type	45 DTM
Description	Digital desktop intercom station with gooseneck microphone or built-in microphone, 3 keypads with 15 keys each (45 keys in total), 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.84 ft) connection cable
W x H x D	265 mm x 73 mm x 265 mm (10.43" x 2.87" x 10.43") Gooseneck microphone of DTM 010: length = 290 mm (11.42"), cable diameter: 8 mm (0.31") Gooseneck microphone of DTM 011: length = 350 mm (13.78"), cable diameter: 9 mm (0.35")
Weight	Approx. 1.3 kg (approx. 2.87 lbs)
Accessories	25 DVT 10 booster amplifier, 1 HAS 001 handset, mounting frame, and key covers (see "Accessories", on page 6)



Type	60 DTM
Description	Digital desktop intercom station with gooseneck microphone or built-in microphone, 4 keypads with 15 keys each (60 keys in total), 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.84 ft) connection cable
W x H x D	265 mm x 73 mm x 265 mm (10.43" x 2.87" x 10.43") Gooseneck microphone of DTM 010: length = 290 mm (11.42"), cable diameter: 8 mm (0.31") Gooseneck microphone of DTM 011: length = 350 mm (13.78"), cable diameter: 9 mm (0.35")
Weight	Approx. 1.3 kg (approx. 2.87 lbs)
Accessories	25 DVT 10 booster amplifier, 1 HAS 001 handset, mounting frame, and key covers (see "Accessories", on page 6)

DTM Series | Wall-mounted Intercom Stations



Type	15 DTM xxx/W	
Description	Digital wall-mounted intercom station with built-in microphone, 1 keypad with 15 keys, 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.84 ft) connection cable	
W x H x D	178 mm x 76 mm x 298 mm (7.01" x 2.99" x 11.73")	
Weight	Approx. 1.3 kg (approx. 2.87 lbs)	
Type number	15 DTM 010/W	301-471-100/W
	15 DTM 110/W	301-471-101/W
Accessories	25 DVT 10 booster amplifier and key covers (see "Accessories", on page 7)	



Type	30 DTM xxx/W	
Description	Digital wall-mounted intercom station with built-in microphone, 2 keypads with 15 keys each (30 keys in total), 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.84 ft) connection cable	
W x H x D	178 mm x 76 mm x 298 mm (7.01" x 2.99" x 11.73")	
Weight	Approx. 1.3 kg (approx. 2.87 lbs)	
Type number	30 DTM 010/W	301-471-200/W
	30 DTM 110/W	301-471-201/W
Accessories	25 DVT 01 booster amplifier and key covers (see "Accessories", on page 7)	

Accessories

	<table border="1"> <tr> <td>Type</td> <td>25 DVT 10</td> </tr> <tr> <td>Description</td> <td>25-W booster amplifier to be connected to digital intercom stations, incl. 3 m (9.84 ft) connection cable</td> </tr> <tr> <td>Type Number</td> <td>304-042-400</td> </tr> </table>	Type	25 DVT 10	Description	25-W booster amplifier to be connected to digital intercom stations, incl. 3 m (9.84 ft) connection cable	Type Number	304-042-400
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Technical Data

Electrical Data

• Operating voltage range	42 VDC to 72 VDC
• Quiescent current consumption at 60 VDC	45 mA
• Max. current consumption at 60 VDC	100 mA
• Frequency range	150 Hz to 7,200 Hz
• Speaker	4 W / 8 Ohms
• Amplifier power	1 W

Environmental Requirements and Standards

• Ambient temperature during operation	0 °C to +50 °C (+32 °F to +122 °F)
• Relative humidity (non-condensing)	Max. 95 %
• Degree of protection	IP41
• EMC	IEC/EN 61000-6-2 IEC/EN 61000-6-4

Series Overview Chart

Type	Number of Keys				010	110	IM	W	FA0x	Type Number
	15	30	45	60						
15 DTM 010	x				x					301-471-100
15 DTM 010/IM	x				x		x			301-471-100/IM
15 DTM 010/W	x				x			x		301-471-100/W
15 DTM 110	x					x				301-471-101
15 DTM 110/W	x					x		x		301-471-101/W
15 DTM 110/IM	x					x	x			301-471-101/IM
30 DTM 010		x			x					301-471-200
30 DTM 010/IM		x			x		x			301-471-200/IM
30 DTM 010/FA02		x			x				x	301-471-200/FA02
30 DTM 010/W		x			x			x		301-471-200/W
30 DTM 110		x				x				301-471-201
30 DTM 110/W		x				x		x		301-471-201/W
30 DTM 110/IM		x				x	x			301-471-201/IM
45 DTM 010			x		x					301-471-300
45 DTM 010/IM			x		x		x			301-471-300/IM
45 DTM 010/FA02			x		x				x	301-471-300/FA02
45 DTM 110			x			x				301-471-301
60 DTM 010				x	x					301-471-400
60 DTM 010/IM				x	x		x			301-471-400/IM
60 DTM 010/FA01				x	x				x	301-471-400/FA01
60 DTM 010/FA02				x	x				x	301-471-400/FA02
60 DTM 110				x		x				301-471-401

010 = With gooseneck microphone, without external interface

110 = With gooseneck microphone, with external interface for handset connection

IM = Desktop intercom station with built-in microphone instead of gooseneck microphone*

W = Wall-mounted intercom station with built-in microphone*

FA01 = Desktop intercom station with gooseneck microphone complying with the EN 54-16 standard, 12 yellow key LEDs for fault indication, 3 green key LEDs to indicate the operating status and an active microphone*

FA02 = Desktop intercom station with gooseneck microphone complying with the EN 54-16 standard,

4 yellow key LEDs for fault indication, 2 green key LEDs to indicate the operating status and an active microphone*

C3 = Key cover for 3 keys

C6 = Key cover for 6 keys

C9 = Key cover for 9 keys

C12 = Key cover for 12 keys

C15 = Key cover for 15 keys

* Can be combined with key cover. Example:

30 DTM 010/IM/C6, 45 DTM 010/W/C3 or 30 DTM 010/FA02/C9

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