



DTM Series

DIGITAL INTERCOM STATIONS

FOR INDOOR USE

The digital intercom station has been designed for indoor use in control rooms, measuring stations, or offices.

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.

If required, the intercom station 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.

Its connectivity and health status is constantly monitored, logged and flexibly notified system-internally and to third-party systems.



- 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
- Self-diagnostics by monitoring of internal electronics, microphone and cable path
- Audio bandwidth of up to 7 kHz
- Degree of protection IP41
- Potential-free relay contact

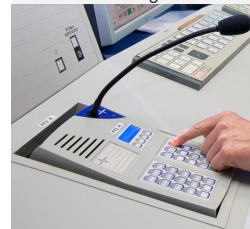
60 DTM 110 mit Handhörer



15 DTM 010/W



30 DTM 010 eingebaut

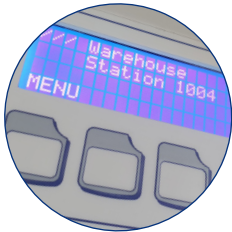


DIFFERENT DESIGNS

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. Electronic noise compensation and dynamic compression reduce 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.

SERIES OVERVIEW

DTM SERIES | DESKTOP INTERCOM STATIONS



15 DTM

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"), diameter: 8 mm (0.31")

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", page 5)



30 DTM

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"), diameter = 8 mm (0.31")

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", page 5)



45 DTM

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"), diameter: 8 mm (0.31")

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", page 5)



60 DTM	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"), diameter: 8 mm (0.31")
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", page 5)

DTM SERIES | WALL-MOUNTED INTERCOM STATIONS



15 DTM xxx/W	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)
Accessories	25 DVT 10 booster amplifier and key covers (see "Accessories", page 5)



30 DTM xxx/W	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)
Accessories	25 DVT 10 booster amplifier and key covers (see "Accessories", page 5)

TECHNICAL DATA

ELECTRICAL DATA

Operating voltage range	42 V DC to 72 V DC
Quiescent current consumption	45 mA at 60 V DC
Max. current consumption	100 mA at 60 V DC
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

ACCESSORIES



25 DVT 10 25-W booster amplifier to be connected to digital intercom stations, incl. 3 m (9.84 ft) connection cable

Type number 304-042-400



1 HAS 001 Handset with push-to-talk key and cradle to be operated at DTM 110 digital desktop intercom stations, incl. 2.1 m (6.89 ft) connection cable

Type number 301-432-100



1 HAS 001/W Handset with push-to-talk key and wall mounting bracket to be operated at DTM 110/W digital wall-mounted intercom stations, incl. 0.7 m (2.30 ft) connection cable

Type number 301-432-100/W



1 WT 500 Wall-mounting bracket to mount the digital desktop intercom station to a wall

Type number 212-081-000



Mounting frame

Frame to flush-mount digital desktop intercom stations of the 15, 30, 45, or 60 DTM series into desks or other flat surfaces (e.g. control room desks)

Type number

For 15 or 30 DTM 070-025-002

For 45 or 60 DTM 070-025-003



Key cover

Clear plastic key cover to protect the keys against accidental actuation. You can only press the keys when the key cover is opened. Available for 3, 6, 9, 12, or 15 keys

Type number

3 keys 202-533-000

6 keys 202-533-100

9 keys 202-533-200

12 keys 202-533-300

15 keys 202-533-400

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. Examples:

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

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