



DE 705

DIGITAL FLUSH-MOUNTED INTERCOM STATION

DESIGNED FOR INSTALLATION INTO CONTROL ROOMS, CONTROL CENTERS, OR CONTROL PANELS

Due to the modular concept up to 6 keypads with membrane keys or momentary switches can be combined to one station.

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



Fig. Example for control panel installation

- Membrane keypads with 16 keys or keypads with 10 momentary switches
- All keys and momentary switches with individual labeling fields
- Visual indication of call or busy status via LED
- Speaker and keypad modules can be plugged in via mounting clips
- Noise-compensating gooseneck microphone with dynamic compression
- Continuously adjustable speaker volume and microphone sensitivity
- Self-diagnostics by monitoring of internal electronics, microphone and cable paths

COMPONENTS

Gooseneck microphone (1 MH 14, 1 MH 20, 1 MH 21)

Speaker (4 LT 04) in instrument housing

Keypads with membrane keys (16 DET 01) or momentary switches (10 DET 01) each in an instrument housing

Connection cable for 3 keypads (25 DKB 03)

Electronics unit (1 DES 705) in wall-mounted housing

ELECTRICAL DATA

Operating voltage range 42 V DC to 72 V DC

Quiescent current consumption 25 mA to 50 mA (depending on intercom station type)

Max. current consumption 120 mA

Amplifier power 1 W

Frequency range 300 Hz to 7,000 Hz

Speaker 5 W / 8 Ohms



COMPONENTS

The modular concept of the intercom station provides the following modules:



Type	1 DES 705
Description	Control device for digital flush-mounted intercom stations with microphone / speaker amplifier and microphone monitoring W x H x D: 110 mm x 74 mm x 216 mm (4.33" x 2.91" x 8.50")
Type Number	301-619-100



Type	4 LT 04
Description	Speaker module, 5 W, 8 Ohms with housing W x H x D: 96 mm x 96 mm x 80 mm (3.78" x 3.78" x 3.15")
Type Number	301-039-200



Type	16 DET 01
Description	Keypad module with 16 membrane keys W x H x D: 96 mm x 96 mm x 79 mm (3.78" x 3.78" x 3.11")
Type Number	301-442-200



Type	10 DET 01
Description	Keypad module with 10 momentary switches W x H x D: 96 mm x 96 mm x 79 mm (3.78" x 3.78" x 3.11")
Type Number	301-442-300



Type	1 MH 14
Description	Gooseneck microphone Electret microphone with wind protection Length: 290 mm (11.42") Diameter 8 mm (0.31")
Type Number	202-487-000



Type	1 MH 20
Description	Robust gooseneck microphone, electret type Length: 385 mm (15.16") Diameter: 15 mm (0.59")
Type Number	202-482-000



Type	1 MH 21
Description	Robust gooseneck microphone, electret type Length: 485 mm (19.09") Diameter: 15 mm (0.59")
Type Number	202-482-300

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	IP40
EMC	IEC/EN 61000-6-2 IEC/EN 61000-6-4

OPTION

Key cover to protect the membrane keys against accidental actuation

ACCESSORIES

Type	Type Number
Booster amplifier (25 DVT 10)	304-042-400

ORDER DATA

Type*	1 DES 705	4 LT 04	16 DET 01	10 DET 01	1 MH 14	Type Number
16 DE 705**	x	x	1	-	x	301-620-100
32 DE 705**	x	x	2	-	x	301-620-200
48 DE 705**	x	x	3	-	x	301-620-300
10 DE 705	x	x	-	1	x	301-621-100
20 DE 705	x	x	-	2	x	301-621-200
30 DE 705	x	x	-	3	x	301-621-300

*Other types of intercom stations are available upon request: Intercom station is also available with microphone 1 MH 20 or 1 MH 21.

**Other types of intercom stations are available upon request: Intercom station is also available with key cover.

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