

DE 705

Digital Flush-Mounted Intercom Station



Fig. Example for control panel installation

Features and Functions

- Membrane keypads with 16 keys or keypads with 10 momentary switches
- All keys and momentary switches with individual labeling fields
- Visual 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
- Monitoring of microphone function

The digital flush-mounted intercom stations of the DE 705 series are operated together with the INDUSTRONIC communication and public address systems INTRON-D and INTRON-D *plus*. They are 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. The intercom station is continuously monitored. The microphone is monitored according to the DIN EN 60849 standard.

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
- Electronics unit (1 DES 705) in wall-mounted housing
- Connection cable for 3 keypads (25 DKB 03)

Options

- Key cover to protect the keys against accidental actuation
- Booster amplifier (25 DVT)

Components

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

	<p>1 DES 705</p> <p>Control device for digital flush-mounted intercom stations with microphone / speaker amplifier and microphone monitoring</p> <p>W x H x D: 110 mm x 74 mm x 216 mm (4.3" x 2.9" x 8.5")</p> <p>Type number: 301-619-100</p>
	<p>4 LT 04</p> <p>Loudspeaker module, 5 W, 8 Ohms with housing</p> <p>W x H x D: 96 mm x 96 mm x 80 mm (3.8" x 3.8" x 3.2")</p> <p>Type number: 301-039-200</p>
	<p>16 DET 01</p> <p>Keypad module with 16 membrane keys</p> <p>W x H x D: 96 mm x 96 mm x 79 mm (3.8" x 3.8" x 3.1")</p> <p>Type number: 301-442-200</p>
	<p>10 DET 01</p> <p>Keypad module with 10 momentary switches</p> <p>W x H x D: 96 mm x 96 mm x 79 mm (3.8" x 3.8" x 3.1")</p> <p>Type number: 301-442-300</p>
	<p>1 MH 14</p> <p>Gooseneck microphone Electret microphone with wind protection</p> <p>Length: 290 mm, \varnothing 8 mm (11.4", \varnothing 0.3")</p> <p>Type number: 202-487-000</p>

	<p>1 MH 20</p> <p>Robust gooseneck microphone, electret type</p> <p>Length: 385 mm, Ø 15 mm (15.2", Ø 0.6")</p> <p>Type number: 202-482-000</p>
	<p>1 MH 21</p> <p>Robust gooseneck microphone, electret type</p> <p>Length: 485 mm, Ø 15 mm (19", Ø 0.6")</p> <p>Type number: 202-482-300</p>

Electrical Data of Intercom Station

• Operating voltage range	42 VDC to 72 VDC
• 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

Electrical Data of Booster Amplifier

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

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
• Microphone monitoring according to	DIN EN 60849

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 as well as with key cover.

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