

DS

Digital Intercom Station Made of Stainless Steel



Figure: DS 001 A-L1M
3 modules – loudspeaker, one key and microphone – in surface housing

Main features

- **Modular construction providing easy servicing**
- **Modules made of stainless steel**
- **Up to 4 keys to announce oneself at portal offices or control rooms and to set up communication links**
- **Microphone with electronic noise cancellation and dynamic compression**
- **Continuously adjustable volume and microphone sensitivity**
- **Monitoring of microphone function**
- **2 potential-free relay contacts**

The intercom stations of the DS series have been optically adapted for their use at gateways, entrance areas, elevators, clean rooms etc. The stations are available with 3 or 4 modules and are suited for installation in both surface and flush housings. Their special design makes them resistant to dirt, dust and vandalism.

Components

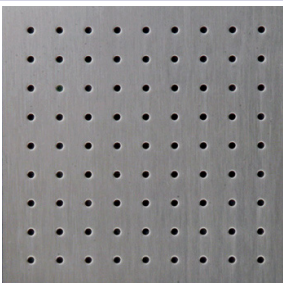
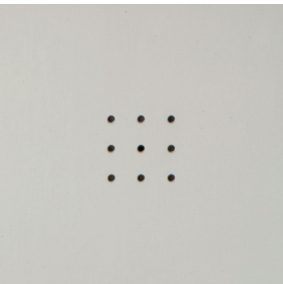

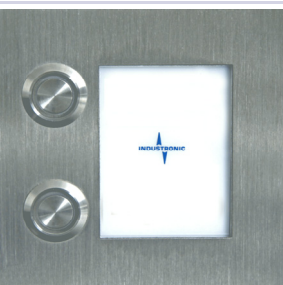
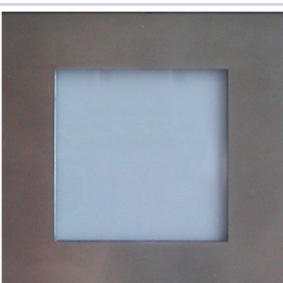
- Control electronics
- Various modules (see following pages)





Optional

- Camera module
- Rain protection
- Pedestal / column mount

Modules

Based on the modular construction of the station there are types with 3 and 4 modules. All modules are sized 10 cm x 10 cm (4" x 4"). The following modules are available:

	<p>DS-L 01</p> <p>Loudspeaker module, perforated style, 8 ohms, 7 watts</p>
	<p>DS-M 01</p> <p>Electrets microphone module, perforated style</p>
	<p>DS-1 01</p> <p>Key module with 1 key and inscription section, Size of inscription section: H = 60 mm (2 1/2"), W = 45 mm (1 3/4")</p>
	<p>DS-2 01</p> <p>Key module with 2 keys and inscription section Size of inscription section: H = 60 mm (2 1/2"), W = 45 mm (1 3/4")</p>
	<p>DS-T 01</p> <p>Inscription module, Size of inscription section: H = 60 mm (2 1/2"), W = 60 mm (2 1/2")</p>

	<p>DS-W 01</p> <p>Dial module, 16 keys</p> <p>Figure is a general sample.</p>
	<p>DS-K 01</p> <p>Camera module, monochrome, 12 VDC</p> <p>The camera picture is provided at a BNC plug for connection to an external crossbar.</p> <p>Technical data: 1/3" CCD sensor 420 TV lines Photosensitivity 1.61 lux (F2,0) Ambient temperature -10 °C to +50 °C (14 °F to 122 °F)</p>
	<p>DS-F 01</p> <p>Camera module, colour, 12 VDC</p> <p>The camera picture is provided at a BNC plug for connection to an external crossbar.</p> <p>Technical data: 1/3" CCD sensor 380 TV lines Photosensitivity 14 lux (F2.0) Ambient temperature -10 °C to +50 °C (14 °F to 122 °F)</p>
	<p>DS-B 01</p> <p>Blank module</p>

Mechanical data

Station with 3 modules	• Height x width x depth	333 mm x 136 mm x 76 mm (13" x 5 1/2" x 3")
	• Weight	approx. 4.5 kg (10 lb)
Station with 4 modules	• Height x width x depth	433 mm*136 mm*76 mm (17" x 5 1/2" x 3")
	• Weight	approx. 5.0 kg (11 lb)

Electrical data

• Operating voltage range	42 VDC to 72 VDC
• Quiescent & max. current consumption	20 mA, 100 mA
• Frequency range	300 Hz to 3400 Hz
• Loudspeaker	7 W / 8 Ohm
• Relay 1	60 VDC / 30 VAC; 0,5 A; 20 W
• Relay 2	60 VDC / 30 VAC; 0,5 A; 20 W

Environmental requirements and standards

• Ambient temperature without camera	-20 °C to +55 °C (-4 °F to 131 °F)
• Ambient temperature with camera	-10 °C to +50 °C (-14 °F to 122 °F)
• Storage temperature	-20 °C to +55 °C (-4 °F to 131 °F)
• Humidity (non-condensing)	max. 90 %
• Atmospheric pressure	750 hPa to 1100 hPa
• Degree of protection	IP54
• Monitoring of microphone	EN 60849
• EMC	IEC / EN 61000-6-2 IEC / EN 61000-6-4

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Subject to technical modifications