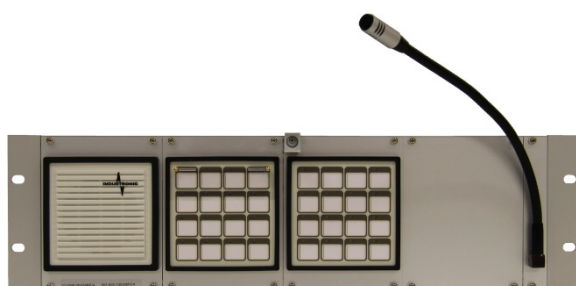


NSR 001/GM

IP Service Intercom Station for Rack Installation



32 NSR 001/GM/C8

Features and Functions

- All switching elements with corresponding labeling field
- Visual call or busy status via LEDs
- For installation into central exchange cabinets and control desks
- Front panel 19", 3 RU with 32 keys
- Adjustable speaker volume and microphone sensitivity
- Monitoring of microphone function

The IP service intercom stations for rack installation of the NSR series are part of the INTRON-D *plus* communication and public address system from INDUSTRONIC. They are designed for use in central exchange cabinets and control desks.

Components

- Keypad 16 NIFK with 16 keys installed in the instrument housing
- Electronics unit
- Gooseneck microphone
- Speaker module

Option

- Key cover to protect the keys against accidental actuation

Mechanical Data

- | | |
|--------------------------|---------------------------------------------|
| • Width x height x depth | 482 mm x 3 RU x 230 mm
(19" x 3 RU x 9") |
| • Weight | Approx. 3.5 kg (approx. 7.7 lbs) |

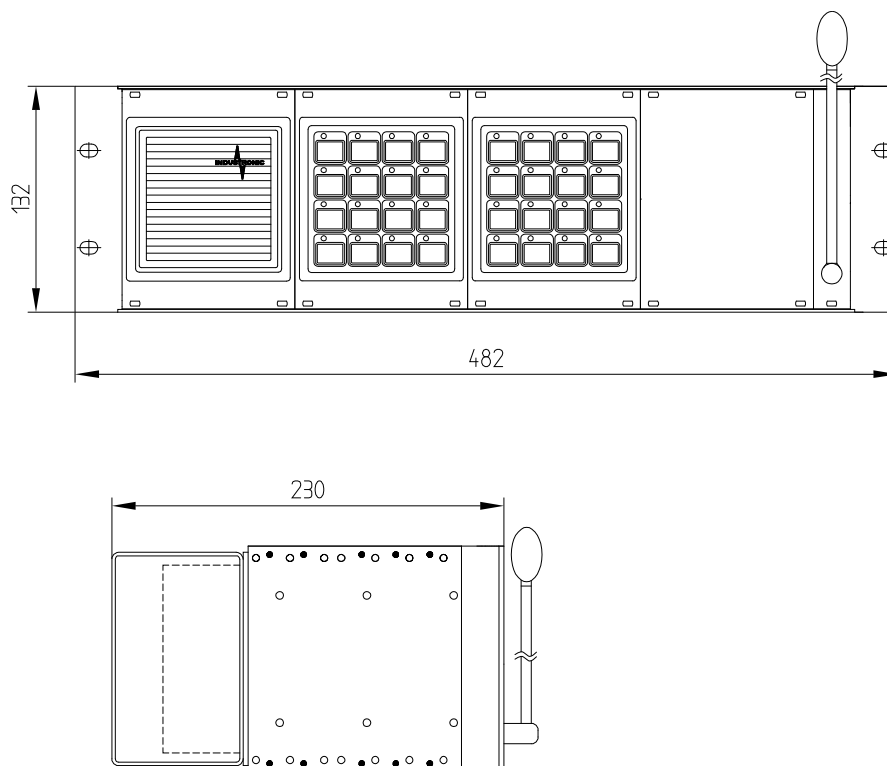


Fig. 1: Dimensional drawing 32 NSR 001/GM

Electrical Data

• Power supply	PoE according to IEEE 802.3af, Class 3, 15 W or external power supply (42 VDC to 57 VDC, 0.3 A at 48 V)
• Quiescent current consumption	60 mA
• Max. current consumption	270 mA
• Frequency range	200 Hz to 16,000 Hz (+/-3 dB)
• Amplifier power	0.75 W
• Speaker	5 W / 8 Ohms
• Potential-free inputs	3
• Input voltage level of each input	Off: 0 VDC to 5 VDC On: 10 VDC to 72 VDC (current consumption max. 4 mA)
• Potential-free outputs	3
• Max. voltage and current value for each output	72 VDC, 100 mA
• Auxiliary voltage output	48 V, 50 mA (operating voltage potential)

Network Requirements

- Power over Ethernet (PoE) recommended
- IPv4 network
- Support of UDP, SCTP, RTP and RTCP protocols
- Quality of Service (QoS)
 - Ideal latency < 20 ms (max. 50 ms)
 - Jitter max. 10 ms
- 10Base-T/100Base-TX Ethernet (IEEE 802.3), 100 MBit/s recommended
- 200 kBit/s basic bandwidth and 200 kBit/s per active audio channel

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 (front side) |
| • EMC | IEC/EN 61000-6-2
IEC/EN 61000-6-4 |
| • Microphone monitoring acc. to | DIN EN 60849 |

Order Data	Height	No. of Keys	Key Cover	Type	Type Number
3 HE	32	32	-	32 NSR 001/GM	302-059-200/GM
			x	32 NSR 001/GM/C8*	302-059-200/GM/C8

*C8 = Key cover for 8 keys

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