




Digital Multifunctional Industrial Intercom Systems





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ARIT Sicherheitstechnologien GmbH is a German system integrator with significant competence in the development and implementation of industrial communication and security systems. We offer our customers industrial solutions developed and based on the equipment that has proven its operating advantages in the most difficult environment conditions.

INDUSTRONIC is the brand of the German company **INDUSTRONIC** Industrie-Electronic GmbH & Co. KG tracing its history since 1964. With its headquarters located in the city of Wertheim, Germany, the company possesses a well-developed global partnership network.

Industrial intercom and PA/GA communication systems from INDUSTRONIC are modular. Beside the standard intercom and PA/GA functionality, the system allows digital data transfer and monitoring signals.

Suitable for use under virtually any conditions, solutions based on INDUSTRONIC equipment are applied in a multitude of industrial sectors. INDUSTRONIC systems reliably operate under conditions of dust pollution, contamination, as well as hazardous conditions where explosive gases and substances may occur in the atmosphere; and extremely high/low temperatures.

INDUSTRONIC products features:

- Modularity;
- Wide range of specific-purpose equipment;
- Supported integration with third-party systems;
- Reliable functioning under severe climatic and operational conditions;
- Compliance with the strictest European regulations;
- Reliability and quality proven by numerous successful projects and brilliant reputation.

Industries:



Gas Industry



Oil Industry



Chemical Industry



Metal Industry



Energy Sector



Transport





DIGITAL COMMUNICATION AND PUBLIC ADDRESS SYSTEM

Industrial communication and public address system INTRON-D ensures reliable communication at production facilities — both in the course of standard operation and in case of emergency occurring, when the system enables transfer of information, operational instructions, and alert messages to the staff. This unit has been designed as an open modular system and it is generally used as a two-way communication and loudspeaker alarm system. It can be deployed for transmitting digital data or monitoring signals as well. The cornerstone element of the unit is the digital communication system that receives, processes, and transmits data.



Digital Communication and Public Address System

Main Features:

- Unified digital platform for public address and general alarm system (PA/GA) to annunciate alarms and warnings to moving objects, as well as for loudspeaker communication;
- Redundancy option for the processor and other system elements for higher reliability;
- Modular design of digital communication system, ready for expansion;
- Uniting digital communication platforms into one network (E1, DSL, SMF/MMF);
- Single-copper-pair connection of subscribers;
- Noise free speech communication;
- Centralized phantom-circuit power supply to digital subscribers;
- Online real-time switch, digital amplifier and subscriber control;
- Integration with third-party systems;
- User-friendly graphical administration and monitoring interface;
- Full set of certificates and permitting documents;
- Remote administration via Ethernet;
- Subscribers switching.

INTRON-D: Functionality, security, and reliability

Advantages:

- Direct two-way public address;
- Individual, group, and collective calls;
- Support of simplex/duplex modes;
- Visual/acoustic indication of call, call storage and busy signaling;
- Single dial switch plan;
- Call recording;
- Manual/automatic message recording and re-playing;
- Priority levels;
- Alarm signal and message broadcasting;
- Integration with PBX, analog equipment, security and fire alarm, civil defense and emergency system (P-166), conventional radio communication systems, Tetra standard systems, modBus process control systems, and access control systems;
- Acoustic/visual alarm monitoring;
- System failure messaging via e-mail.

Device Specifications

INTRON-D

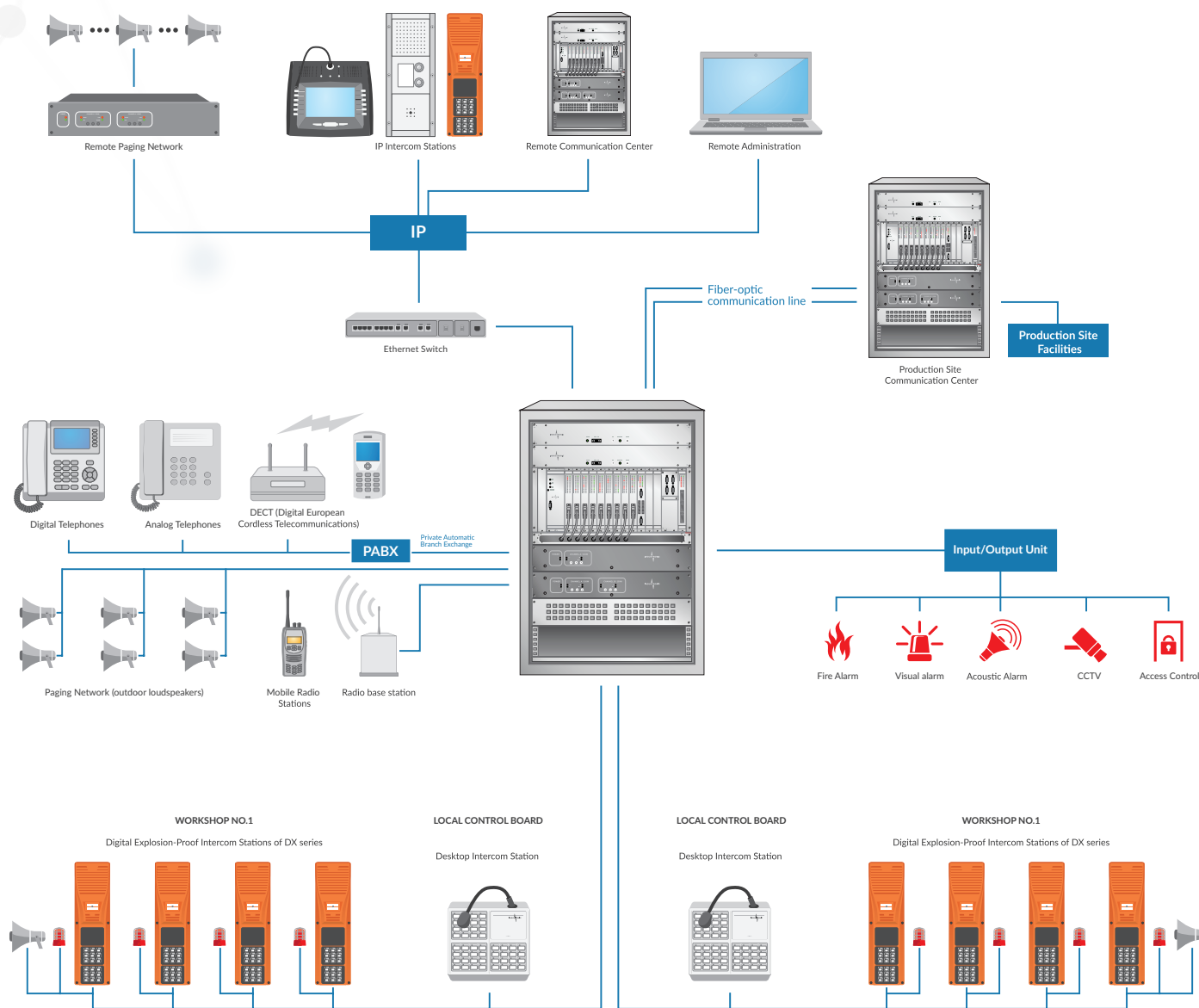
Maximum number of intercom stations
per one unit
192

Maximum distance between intercom sta-
tion and digital
4

Mains voltage range
**from 110 VAC to 120 VAC
or from 220 VAC to 240 VAC**

Internal operating voltage range
42 – 72

Bandwidth of voice transmission, Hz
150 – 7200



Example of designing an integrated system based on INTRON-D *plus*
Digital Communication and Public Address System

INTRON-D *plus*

INTRON-D *plus* system was designed grounding on over 40 years of experience in developing and manufacturing the most advanced industrial intercom systems. Meeting ever-growing customer and market demands, INTRON-D *plus* comprises reliability and functionality of the known INTRON-D system, in the meantime supporting network technology that enables it to (1) flexibly integrate into any Customer's infrastructure and (2) deliver on any tasks related to two-way PA/GA, loudspeaking and emergency alert.

Advantages:

- Connection to IP, digital and analog intercom stations;
- SIP protocols to provide integration with external intercom systems;
- Networking up to 250 digital exchange units via Ethernet, optic fiber, copper E1/DLS;
- Up to 200 priority levels, 65,000 freely programmable addresses, 1,000 selectable group calls;
- Single intercom and PA/GA system;
- Flexible networking via Ethernet and system interfaces;
- Subscribers switching;
- Continuous performance monitoring of system elements and terminal devices;
- Centralized Control;
- Modularity and expandability;
- Integration with third-party communication systems.





DIGITAL DESKTOP INTERCOM STATIONS

Digital desktop intercom stations are designed for use at control rooms and centers, measuring stations, command posts, etc.



DT series



DTM series

Digital Desktop Intercom Stations
DT series / DTM series

Additional Features (model-specific):

- Auxiliary amplifier to enable the use of an external loudspeaker;
- Wireless headset or handset;
- Flash beacon connection.

Advantages:

DT Series

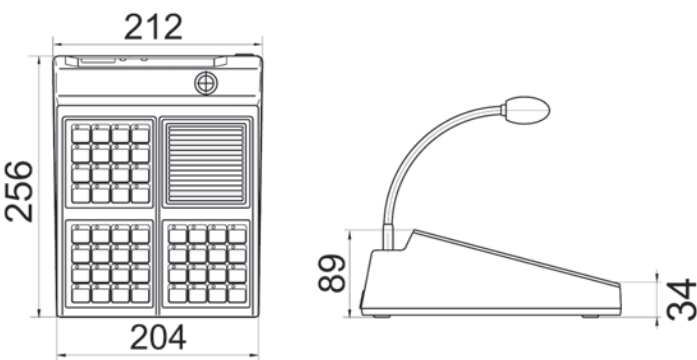
- Extendible with keys and/or toggle switches;
- Up to 7 keypads with 16 keys each (112 subscribers) or 10 switches (70 subscribers).

DTM series

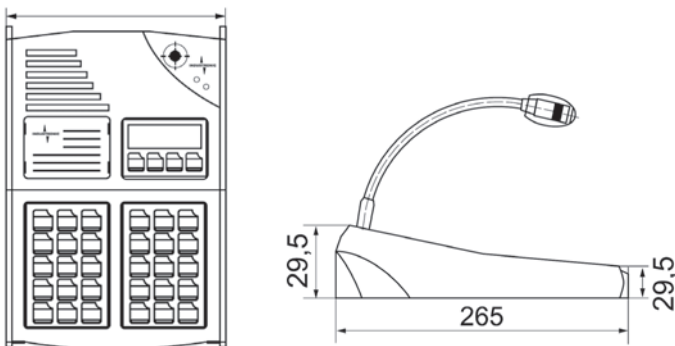
- Display;
- Digital input with extended audio range (up to 7 kHz);
- Keypads with 15 keys each (15 to 60 keys);
- 4 function keys for menu control.

Dimensions:

DT Series



DTM series



Type

DT Series

Desktop intercom station with programmable keys/switches

DTM series

Desktop intercom station with programmable keys/switches

Device Specifications

DT Series DTM series

Supply voltage range, VDC
42 – 72

Quiescent current consumption / max load current consumption, mA
50 / 140 45 / 1000

Speaker capacity, W / Resistance, Ohm
5 / 8 4 / 8

Voice transmission frequency range, Hz
300 – 7000 150 – 7200

Operating temperature range, °C
0 to +50 (32 °F to 122 °F)

Protection class
IP 40 IP 42

Master unit weight, kg
1,3 1,1

Auxiliary Amplifier Specifications

Supply voltage range, VDC
42 – 72

Quiescent current consumption / max load current consumption, mA
20 / 850

Output capacity, W
25

DE Series



ID Intouch (DIT)

Digital Desktop Intercom Stations **DE Series / ID Intouch (DIT)**

Additional Features (model-specific):

- Auxiliary amplifier to enable the use of an external loudspeaker;
- Wireless headset or handset;
- Flash beacon connection.

Advantages:

DE Series

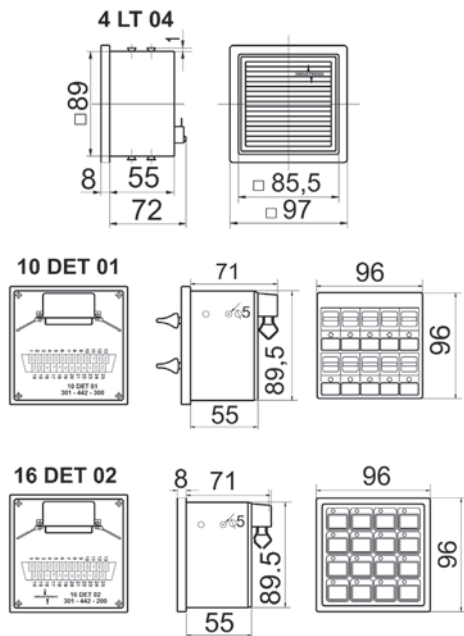
- Extendible with keys and/or toggle switches;
- Up to 9 keypads with 16 keys each (144 subscribers) or 10 switches (90 subscribers);
- Loudspeaker and keypad modules can be attached with special mounting clips.

ID Intouch (DIT)

- Mouse/touch screen control;
- Subscribers grouping;
- Connection of up to 320 subscribers;
- Option to modify configuration and user profile;
- Emergency call confirmation request.

Dimensions:

DE Series



Type

DE Series

Digital built-in modular intercom station

ID Intouch (DIT)

PC-based intercom station, compatible with INTRON-D(plus), ID Intouch software, headset/handset, loudspeaker

Device Specifications

DE Series ID Intouch (DIT)

Supply voltage range, VDC
42 – 72

Quiescent current consumption / max load current consumption, mA
50 / 100 10 / 100

Speaker capacity, W / Resistance, Ohm
5 / 8 depends on connected loudspeaker

Voice transmission frequency range, Hz
300 – 7000 300 – 3400

Operating temperature range, °C
0 to +50 (32 °F to 122 °F)

Protection class
IP 40

Master unit weight, kg
0,8

Auxiliary Amplifier Specifications

DE Series

Supply voltage range, VDC
42 – 72

Quiescent current consumption / max load current consumption, mA
20 / 850

Output capacity, W
25



The background of the page is a photograph of a sunset over the ocean. The sky is a mix of light blue and orange, with soft, white clouds. The ocean below is a deep blue, with the sunset light reflecting off its surface. A large, white rectangular box is positioned on the left side of the page, containing the title and a paragraph of text. The text is in a dark, sans-serif font. The overall composition is clean and professional, with a focus on the product information presented in the text box.

DIGITAL OUTDOOR INTERCOM STATIONS

Digital weatherproof outdoor intercom stations of the new DA series are part of the INTRON-D *plus* PA/GA system from INDUSTRONIC. The design allows for clear and reliable communication at any time, whether you operate the intercom station in extreme cold or heat or in noisy, dirty or dusty environments. The upgraded family comes with the DAE version allowing for convenient use of accessories such as hand-held microphones, handsets, or wire industrial headsets.



DA 705 Series



DA 715 Series

Digital Outdoor Intercom Stations
DA 705 Series / DA 715 Series

Additional Features:

- Optional 25-W auxiliary amplifier installed in the intercom housing enables the use of an external loudspeaker;
- Connection of flash beacon;
- Hand-held microphone, handset or wire headset of industrial design with DAE modification;
- Keypads can be expanded with 6/12 additional direct call keypads;
- Acoustic hood for noise insulation.

Advantages:

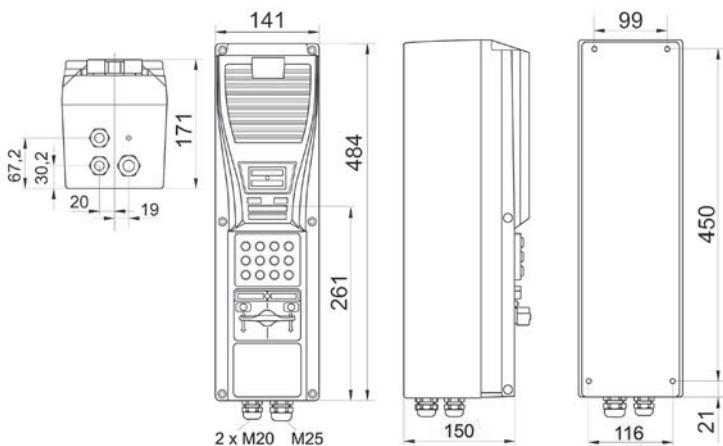
DA 705 Series

- Up to 3 momentary rocker switches;
- Expandable programmable keys via additional keypads.

DA 715 Series

- Dial keypad to connect to any intercom station;
- Momentary rocker switches for direct calls;
- Increased device capacity via additional keypads.

Dimensions:



Type

weatherproof

Device Specifications

DA 705 Series DA 715 Series

Supply voltage range, VDC
42 – 72

Quiescent current consumption / max load
current consumption, mA
20 / 100

Speaker capacity, W / Resistance, Ohm
15 / 8

Voice transmission frequency range, Hz
300 – 3400 / 300 – 7000

Max. sound pressure level
(distance 30 cm (4.7"), dB
115

Operating temperature range, °C
-40 to +70 (-40 °F to +158 °F)

Protection class
IP 66

Cable gland size
1 x M25 + 2 x M20

Master unit weight, kg
5

**Auxiliary Amplifier
Specifications**

Supply voltage range, VDC
42 – 72

Quiescent current consumption / max load
current consumption, mA
20 / 850

Output capacity, W
25

DX 705 Series



DX 715 Series

Digital Outdoor Intercom Stations
DX 705 Series / DX 715 Series

Additional Features:

- Installation of an optional 25-W auxiliary amplifier;
- Connection of external horn loudspeaker;
- Connection of flash beacon;
- Convenient use of external accessories with modification of DXE type;
- Additional acoustic hoods for noise insulation.

Advantages:

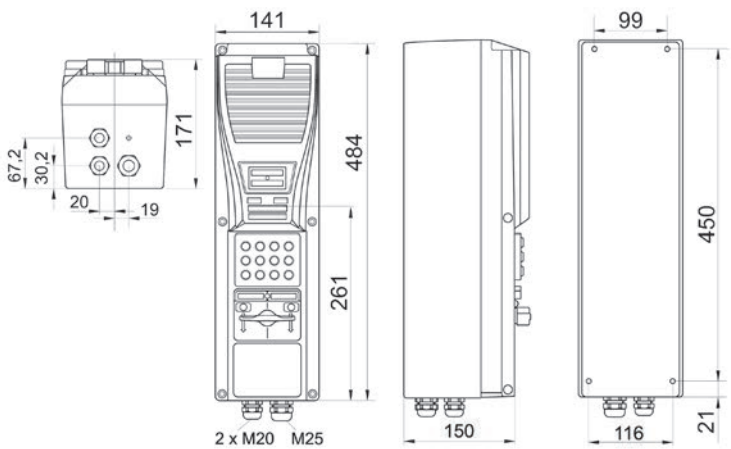
DX 705 Series

- Up to 3 momentary rocker switches;
- All ignitable electronics is integrated in a separate module, which is installed in an explosion-proof sealed compartment.

DX 715 Series

- Dial keypad to connect to any intercom station;
- Momentary rocker switches for direct calls;
- All ignitable electronics is integrated in a separate module, which is installed in an explosion-proof sealed compartment.

Dimensions:



Type

Weather- and explosion-proof

Device Specifications

DX 705 Series DX 715 Series

Supply voltage range, VDC
42 – 72

Quiescent current consumption / max load
current consumption, mA
20 / 100

Speaker capacity, W / Resistance, Ohm
15 / 8

Voice transmission frequency range, Hz
300 – 3400

Max. sound pressure level
(distance 30 cm (4.7")), dB
106

Operating temperature range, °C
-40 to +70 (-40 °F to +158 °F)

Protection class
IP 66

Cable gland size
1 x M25 + 2 x M20

Master unit weight, kg
7

Auxiliary Amplifier
Specifications

Supply voltage range, VDC
42 – 72

Quiescent current consumption / max load
current consumption, mA
60 / 850

Output capacity, W
25





STAINLESS STEEL INTERCOM STATIONS

Versatile vandal-proof weatherproof intercom stations of the DS series are designed fto withstand rough handling and a variety of environmental conditions. Can be used as an emergency call point, elevator intercom stations, etc.



Stainless steel Intercom Stations
DS Series

Main Parameters:

- Stainless steel housing;
- Noise-compensating microphone;
- Monitoring of microphone function;
- Speaker volume and microphone sensitivity can be adjusted;
- Dry contacts.

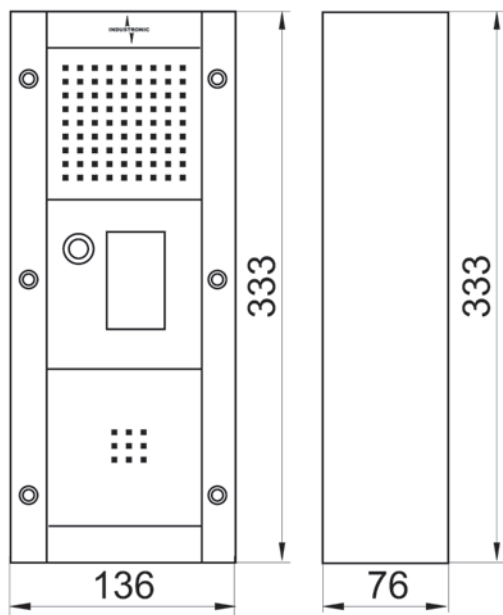
Additional Features:

- Rainhood;
- Emergency call point design.

Advantages:

- Versatile built-in and surface-housing vandal-proof intercom stations;
- 3/4-module design;
- Microphone module;
- Loudspeaker module;
- Module with 1 to 4 keys for direct calls.

Dimensions:



Device Specifications

Power supply voltage rage, V
42 – 72

Quiescent current consumption / max
current consumption, mA
20 / 100

Speaker capacity, W / Resistance, Ohm
1 / 8

Voice transmission frequency range, Hz
300 – 3400

Operating temperature range, °C
-20 to +55 (-4 °F to 131 °F)

Protection class
IP 54

Master unit weight, kg
4.5 kg or 9.9 lbs (3 modules);
5 kg or 11 lbs (4 modules)





IP INTERCOM STATIONS

IP intercom station is a component of the PA/GA system from INDUSTRONIC; optically adapted for the use at gateways, entrance areas, elevators, clean rooms, office buildings, etc. IP intercom stations are available with 3 modules (microphone, loudspeaker and key module with 1 or 2 programmable keys) and are suited for installation in both surface and built-in housings. Their special design makes them resistant to dirt, dust, and vandalism.



IP Intercom Stations

NRO

Main Parameters:

- Modular and maintenance-friendly design;
- Protection class IP66;
- 1 to 3 keypads for direct calls;
- Configurable and programmable by user control elements;
- Momentary rocker switches;
- Visual call or busy signaling;
- Microphone with electronic noise compensation and dynamic compression;
- Speaker volume and microphone sensitivity can be adjusted;
- Dry contacts;
- Network connection via Ethernet;
- PoE or external power supply.

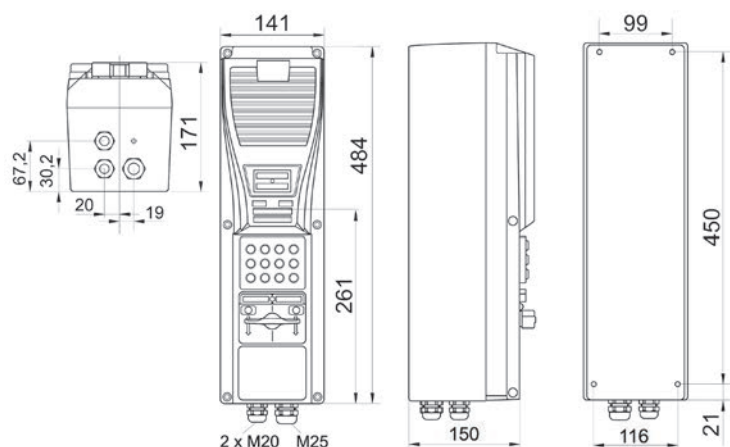
Advantages:

- Glass-fiber reinforced polyester housing;
- 25-W auxiliary amplifier, external power supply required (e. g. in a separate box).

Interfaces:

- 1 x RJ45 port 10/100 Mbps (LAN + PoE);
- Screw terminals for external power supply, additional loudspeaker or line output control with 2.5 mm² rated cross section;
- 1 x Mini USB service port.

Dimensions:



Device Specifications

Power supply
PoE according to IEEE 802.3af, 15 W or
external power supply (42 VDC to 57 VDC,
0.1 A at 48 V)

Standard power consumption, W
3

Amplifier capacity, W
0,75

Frequency range
200-16000 Hz +/- 3dB

Loudspeaker
15 W / 8 Ohm

Control line output
max. 350 mA, using external power supply
unit (42 VDC to 57 VDC)

Ambient temperature, °C
-20 to +55 (-4 °F to 131 °F)

Relative humidity (non-condensing)
max. 95

Protection class
IP 66

EMC test (CE mark)
IEC/EN 61000-6-2, IEC/EN 61000-6-4

Auxiliary Amplifier Specifications

Power supply
External power supply 48 VDC
(42 VDC to 57 VDC, 1 A at 48 V)

Quiescent current consumption, mA
60

Output power
25 W / 400 Ohm

Network Requirements

Power supply through Ethernet (PoE)
recommended

IPv4 network

Support of UDP, SCTP, RTP and RTCP
protocols

Quality of Service (QoS) - ideal latency value
< 20 ms (max. 50 ms), jitter: max. 10 ms



IP Intercom Stations

NSO

Main Parameters:

- Network connection via Ethernet;
- Stainless-steel modular housing;
- Up to 2 freely programmable keys;
- Adjustable microphone sensitivity and speaker volume;
- Monitoring of microphone function.

Advantages:

- RNVCB – electronics module;
- Modules: Microphone, loudspeaker, 1 or 2 freelyprogrammable keys;
- Mounting post (optional).

Device Specifications

Power supply
15-W PoE according to IEEE 802.3af

External power supply
42 VDC to 57 VDC, 0.1 A at 48 V

Standard power consumption, W
3

Loudspeaker, W / Ohm
7 / 8

Service interface
Mini USB

Ambient temperature, °C
-20 to +50 (-4 °F to 122 °F)

Humidity, %
max. 95

Protection class
IP 54

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

Height x width x depth, mm
333 x 136 x 76

Weight, kg
4,5

Network Requirements

Power supply through Ethernet (PoE)
recommended

IPv4 network

Support of UDP, SCTP, RTP and RTCP
protocols

Quality of Service (QoS) - ideal latency value
< 20 ms (max. 50 ms), jitter: max. 10 ms



IP Intercom Stations
NRC

Main Parameters:

- Robust and reliable design for indoor use;
- Modularity;
- 3 dry contacts;
- Network connection via Ethernet;
- Busy or call storage signaling;
- Integrated web interface for configuration and service functions;
- Adjustable microphone sensitivity and speaker volume;
- Monitoring of microphone function.

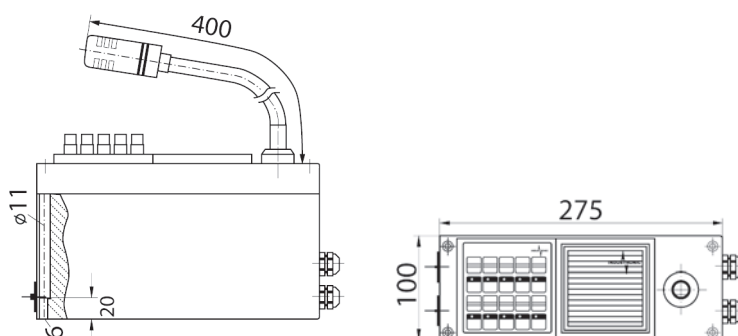
Components and Accessories:

- Flame-retardant glass-fiber reinforced polyester housing;
- Robust 'gooseneck' microphone;
- Supplied with freely programmable keys or toggle switches;
- Key cover to protect the keys against accidental actuation (optional);
- Remote loudspeaker with 8 m cable away from the intercom station (optional).

Network Requirements:

- Power supply through Ethernet (PoE) recommended;
- IPv4 network;
- Support of UDP, SCTP, RTP and RTCP protocols;
- Quality of Service (QoS) - ideal latency value: < 20 ms (max. 50 ms), jitter: max. 10 ms;
- 10Base-T/100Base-TX Ethernet (IEEE 802.3), 100 Mbps recommended;
- 200 kBit/s basic bandwidth and 200 kBit/s per active audio channel.

Dimensions:



Device Specifications

Power supply
15-W PoE according to IEEE 802.3af

External power supply
42 VDC to 57 VDC, 0.1 A at 48 V

Quiescent current consumption / max
current consumption, mA
60 / 270

Amplifier output, W
0,75

Frequency range
200 Hz – 16 kHz

Loudspeaker
5 W / 8 Ohm

Network interface, Mbps
1 x RJ45 10/100

Service interface
Mini USB

Ambient temperature, °C
-10 to +50 (14 °F to 122 °F)

Humidity, %
max. 95

Protection class
IP 40

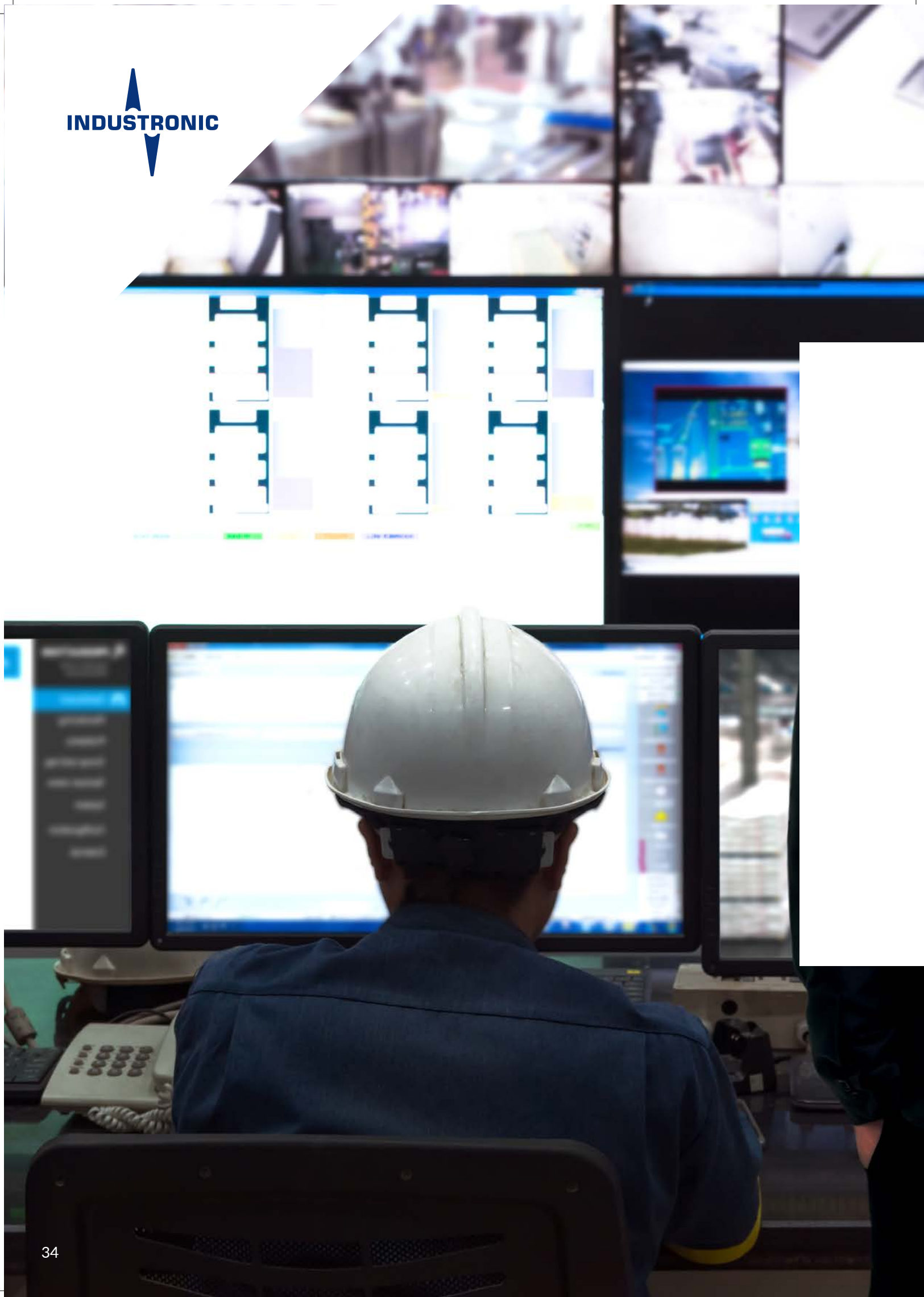
EMC
IEC/EN 61000-6-2, IEC/EN 61000-6-4

Height x width x depth
100 x 275 x 150

Weight, kg
2,8

Cable glands
1 x M16 (up to 3 x M16 possible)

Color
Red (RAL 3000)



A person with dark hair, seen from behind, is looking at a large screen in a control room. The screen displays a 3D industrial model of a plant with various pipes and structures. The person is wearing a dark jacket. The background is slightly blurred, showing other parts of the control room.

IP DESKTOP INTERCOM STATIONS

IP desktop intercom stations of the 12 NIB 001 series are part of the INTRON-D *plus* PA/GA system from INDUSTRONIC. These stations were designed for indoor use in control rooms, measuring stations, or command posts. They have 12-key keyboards with displays and 12 keys for direct calls with inscription labels and visual indication. A station can be easily integrated into the existing plant network environments.



IP Desktop Intercom Station
12 NIB 001 Series

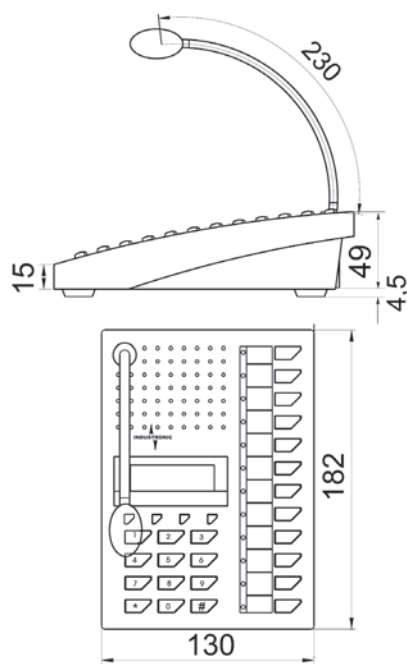
Main Parameters:

- Dial calls to any subscriber;
- All direct-call keys have individual ID label;
- Call and busy signaling; multi-color signaling on keys for preset events;
- ‘Gooseneck’ microphone with electronic noise compensation and dynamic compression;
- Microphone sensitivity and speaker volume can be adjusted both locally and via web interface;
- Function keys for menu control;
- Network connection via Ethernet;
- Audio bandwidth of up to 16 kHz.

Advantages:

- Metal-base plastic housing;
- ‘Gooseneck’ microphone 290 mm (11.4»);
- 12 direct-call keys, 4 function keys, display;
- Optional modification: wall-mounted intercom station with a built-in microphone.

Dimensions:



Type

IP Desktop Intercom Station

Device Specifications

Power consumption, W
2,5

Power supply
PoE or external power supply
(42 VDC to 57 VDC, 0.1 A at 48 V)

Speaker capacity, W / Resistance, Ohm
5 / 8

Voice transmission frequency range, Hz
200 – 16 000

Operating temperature range, °C
-10 to +55 (14 °F to 131 °F)

Protection class
IP 41

Height x width x depth
182 x 130 x 55 mm

Master unit weight, kg
0,8



IP Desktop Intercom Station
AP 701 series

Main Parameters:

- PoE or external power supply;
- 'Gooseneck' microphone according to DIN EN 60849;
- Network connection via Ethernet;
- Resistive color touch screen for activating functions responding to pressure.

Additional Features:

- Can be modularly expanded by an external handset and up to 4 additional keypads — thus a total of 108 mechanical keys is possible;
- Up to 10 control layers (levels) with max. 200 display buttons;
- Multi-Color function indication;
- Audio bandwidth of up to 16 kHz.

Advantages:

- 7» Color touch display;
- 12 direct-call keys with integrated indication;
- 3 function keys;
- In case of the 'gooseneck' microphone failure, the conversation automatically switches to the integrated additional microphone;
- Two simultaneous operating amplifiers and speakers (for higher reliability).



1 APH 01 handset

- Height x width x depth
100 mm x 90 mm x 242 mm
- Weight: 1 kg



24 APK 01 additional keypad

- Height x width x depth
80 mm x 90 mm x 242 mm
- Weight: 0.8 kg

Type

IP Desktop Intercom Station

Device Specifications

Standard power consumption, W
6

Integrated amplifier capacity, W
2 x 0,75

Supply voltage range, VDC
48

Speaker capacity, W / Resistance, Ohm
2 x 8 / 8

Voice transmission frequency range, Hz
200 — 16 000

Touch display, cm
17.8 cm (7") / 800 x 480 pixels

Operating temperature range, °C
-10 to +50 (14 °F to 122 °F)

Protection class
IP 41

Height x width x depth
80 mm x 267 mm x 242 mm

Master unit weight, kg
2,5





POWER AMPLIFIERS

Digital power amplifiers are designed for use in local PA systems. Digital input and balanced analog input, low heat radiation at high capacity — these factors enhance system reliability in emergency situations. The amplifier is connected to INTRON-D *plus* PA/GA as a digital intercom station, which allows for 4-km distance from the central exchange unit. The amplifier provides integrated monitoring and automated redundancy functions.





250 DVE 13



500 DVE 13

DVE power amplifiers
250 DVE 13 / 500 DVE 13

Main Parameters:

- Robust steel housing;
- Digital power adjustment;
- High efficiency (>80%, class D);
- Low quiescent power consumption;
- Long life;
- Transformer output winding switching for 70 V and 100 V;
- 48 VDC and 60 VDC emergency supply;
- Integrated monitoring of system functioning;
- Compliance with EN 60849 / VDE 0828;
- «Sound Systems for Emergency Alert».

Additional Features:

- PA area switching;
- Monitoring of loudspeaker circuit functioning.

Advantages:

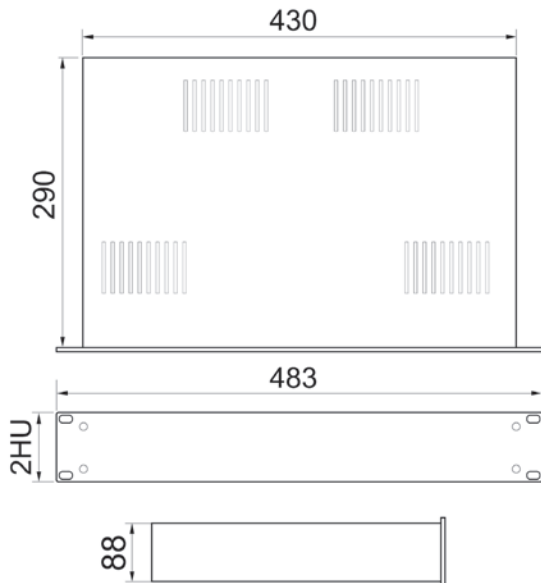
250 DVE 13

- Digital input with extended audio bandwidth (up to 7 kHz).

500 DVE 13

- Output capacity 500 W;
- Digital input with extended audio bandwidth (up to 7 kHz).

Dimensions:



Device Specifications

250 DVE 13 500 DVE 13

Output capacity, W
250 500 (2 x 250)

Analog Frequency Range, Hz
200 – 15 000

Main power supply, VAC
230 (+ / -10)

Distortion factor, %
<1

Signal-to-noise ratio, dB
>80

Input LF signal level, V
0,4 – 2

Emergency power supply range, VDC
42 – 72

Quiescent power consumption, VA
6 10

Rated power, VA
315 620

Quiescent current consumption at 60 V, A
0,06 0,1

Current consumption at rated power, A
5 10

Operating temperature range, °C
-5 to +50 (23 °F to 122 °F)

Weight, kg
10 12,5



Power Amplifiers of NPA Type

NPA (controlled by INTRON-D *plus* over Ethernet)

Power amplifier of NPA type is controlled by INTRON-D *plus* over LAN and can control up to 8 selectively addressable loudspeaker areas.

Two amplifier slots provided in the NPA unit can be equipped with amplifier modules that are available in the following versions: 2 x 150 W and 1 x 300 W, configured in various combinations.

Main Parameters:

- Connection to INTRON-D *plus* over Ethernet
- Modular design allows for a maximum output power of 600 W;
- Can process up to 4 independent input audio channels;
- Up to 8 selectively addressable loudspeaker lines (PA areas);
- N+1 redundancy principle;
- Integrated web interface;
- Navigation through the intuitive user interface implemented in the front panel.

Advantages:

- Output capacity 300 W / 600 W;
- Connection via Ethernet.

Device Specifications

Output capacity, W
300/600 (depending on type)

Frequency range, Hz
150 – 16 000

Operating power supply voltage, VAC
96 – 264

Emergency power supply voltage, VDC
42 – 72

Efficiency, %
>80

Temperature range, °C
-15 to +55 (5 °F to 131 °F)

Height x width x depth
132 mm x 430 mm x 330 m
(19" housing – module)

Weight, kg
12,5





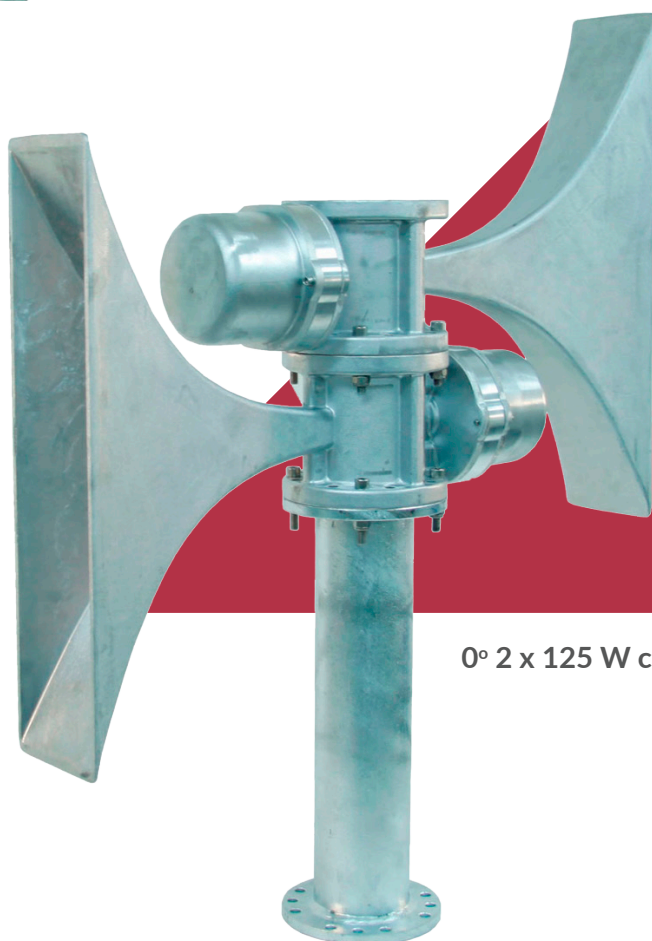
WIDE-AREA NOTIFICATION

The modular acoustic siren horns of the ASH 125 series from INDUSTRONIC can be used for different fields of application – they are ideal for broadcasting of alarms, siren tones and voice messages over large areas, but also for instructing staff in industrial or similar environments. The acoustic siren horns can be deployed as classic sirens, but also allow for the output of voice announcements with superb speech intelligibility.





180° 4 x 125 W configuration



0° 2 x 125 W configuration

Acoustic Siren Horn
ASH Series

ASH Series

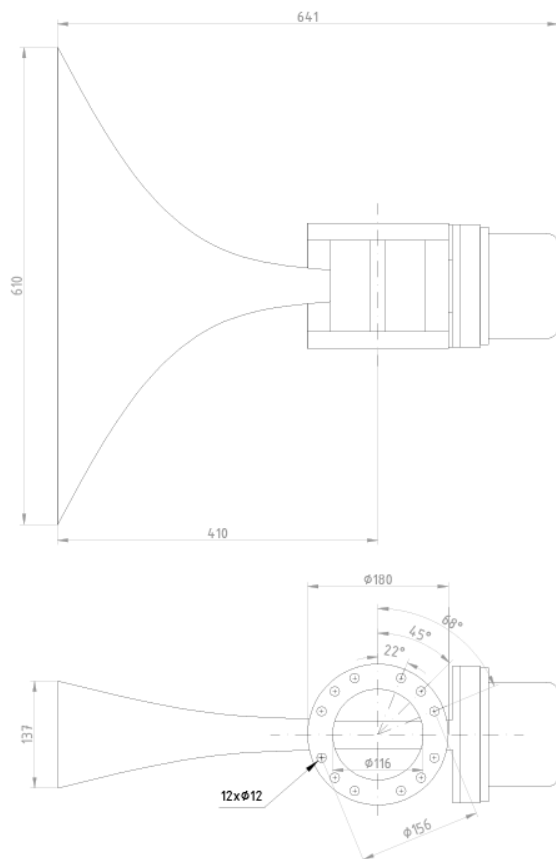
Additional Features:

- Installation of up to 8 siren horns at the same time
- From 0° to 360° angle
- 4 different setups available
- Suitable accessories and mounting kits

Advantages:

- Siren monitoring
- Flexible alarm broadcasting
- Highest availability
- Output of alarms, tones, texts, live announcements
- Powerful acoustic siren horn
- Excellent audio quality
- Rugged design
- Wide-area coverage
- IP56

Dimensions:



Type

ASH Series

Acoustic Siren Horn

Device Specifications

Electrical Data

Rated power

125 W

Transformer

100 V / 150 VA

Sound pressure level at 125 W / 1 m (3.3 ft) / 1 kHz

133 dB (+/-3 dB)

Effective frequency range

275 Hz to 7,000 Hz

Housing

Aluminum ALSi7Mg0,35F

Width x Height x Depth

180 mm x 641 mm x 610 mm (7.1" x 25.2" x 24")

Weight

11 kg (24.3 lbs)

Mounting

Siren mast (Bolt circle Ø156 mm (Ø 6.1"))

Environmental Requirements and Standards

Ambient temperature during operation

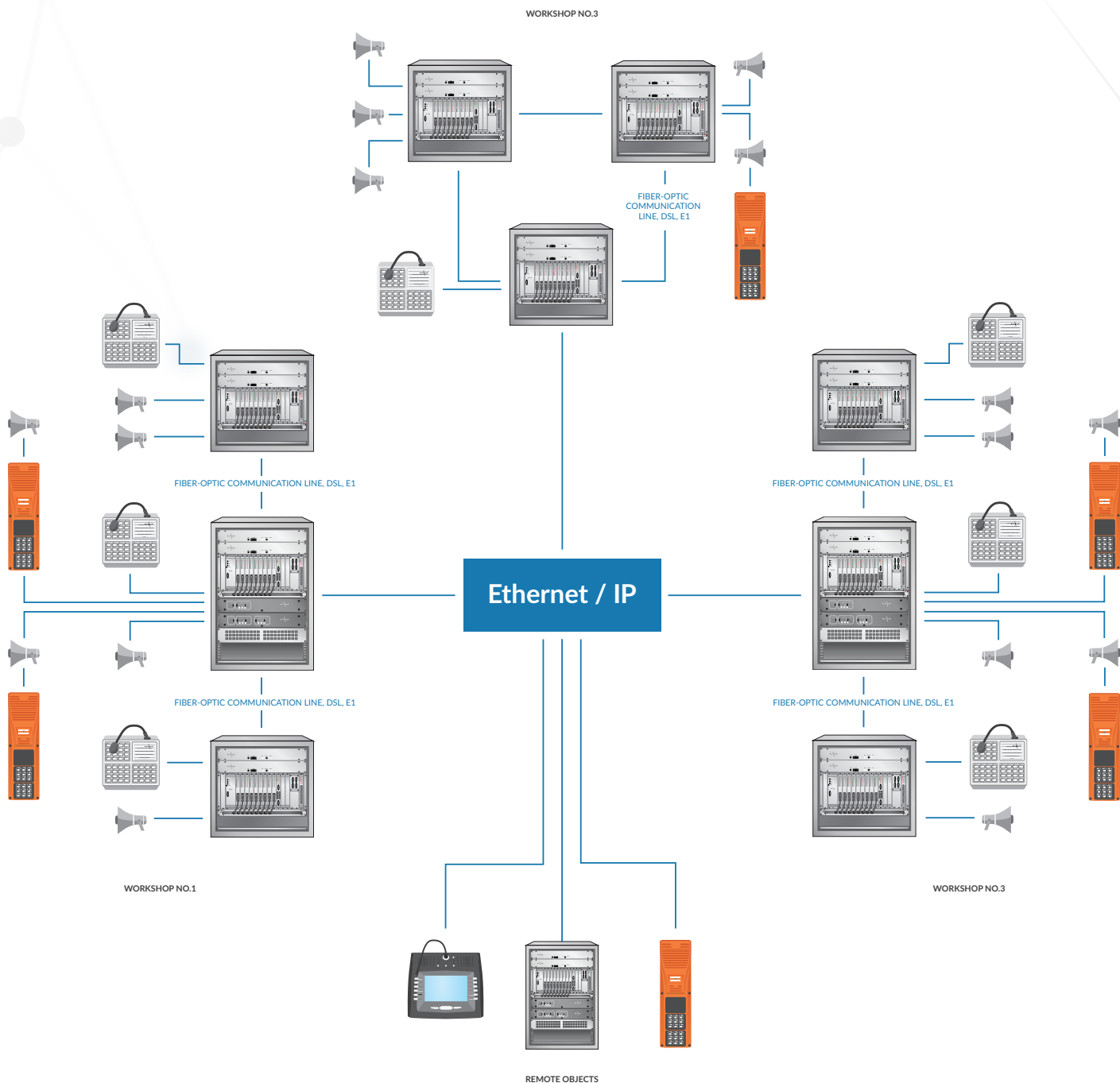
-50 °C to +70 °C (-58 °F to +158 °F)

Relative humidity (non-condensing)

Max. 95%

Degree of protection

IP56



Interconnecting central exchange units within INTRON-D *plus*
Central communication system

Central exchange units can be interconnected with the use of 12 DXI series digital exchange unit interfaces that are used for integrating two or more central exchange units. In such case, central exchange units are connected via wire (E1 or DSL) or optic (SMF/MMF) lines. Star/ring network supported.

When using INTRON-D *plus*, central exchange units can be interconnected via the IP network; with that, direct interconnection of units via 12 DXI can be used as redundant for emergency purposes.

Interconnected central exchange units form a single system that can be controlled and/or maintained by one duty officer of the intercom center.



Wire Headset

Weatherproof outdoor intercom stations connection

Used in noisy facilities.



Push-To-Talk Handset

Desktop intercom station connection

Supports simplex/duplex.



Handset

Intercom stations connection

Designed for duplex operation.



Wire Microphone

Intercom stations connection

Used to broadcast information by staff standing/sitting within up to several meters from the intercom station.

INDUSTRONIC products can be upgraded with accessories designed for optimizing technology processes and higher convenience in operating major equipment.

Accessories



Acoustic Hood

Integrated into weatherproof outdoor intercom stations (recommended)

Dust/damp/noise proofing.



Acoustic hood for explosion-hazardous areas

Integrated into weather-and explosion-proof intercom stations (recommended)

Dust/damp/noise proofing; antistatic housing; designed for operation in harsh environments.



Versatile Posts

Installation of weather-proof and explosion-proof outdoor intercom stations

Steel housing ensures high reliability of installation. Cable entry through post base.



Additional Keypads for Intercom Stations

Weatherproof outdoor intercom stations connection

Keypad with 6/12 programmable direct-call keys.



Foot switch (hands free mode)

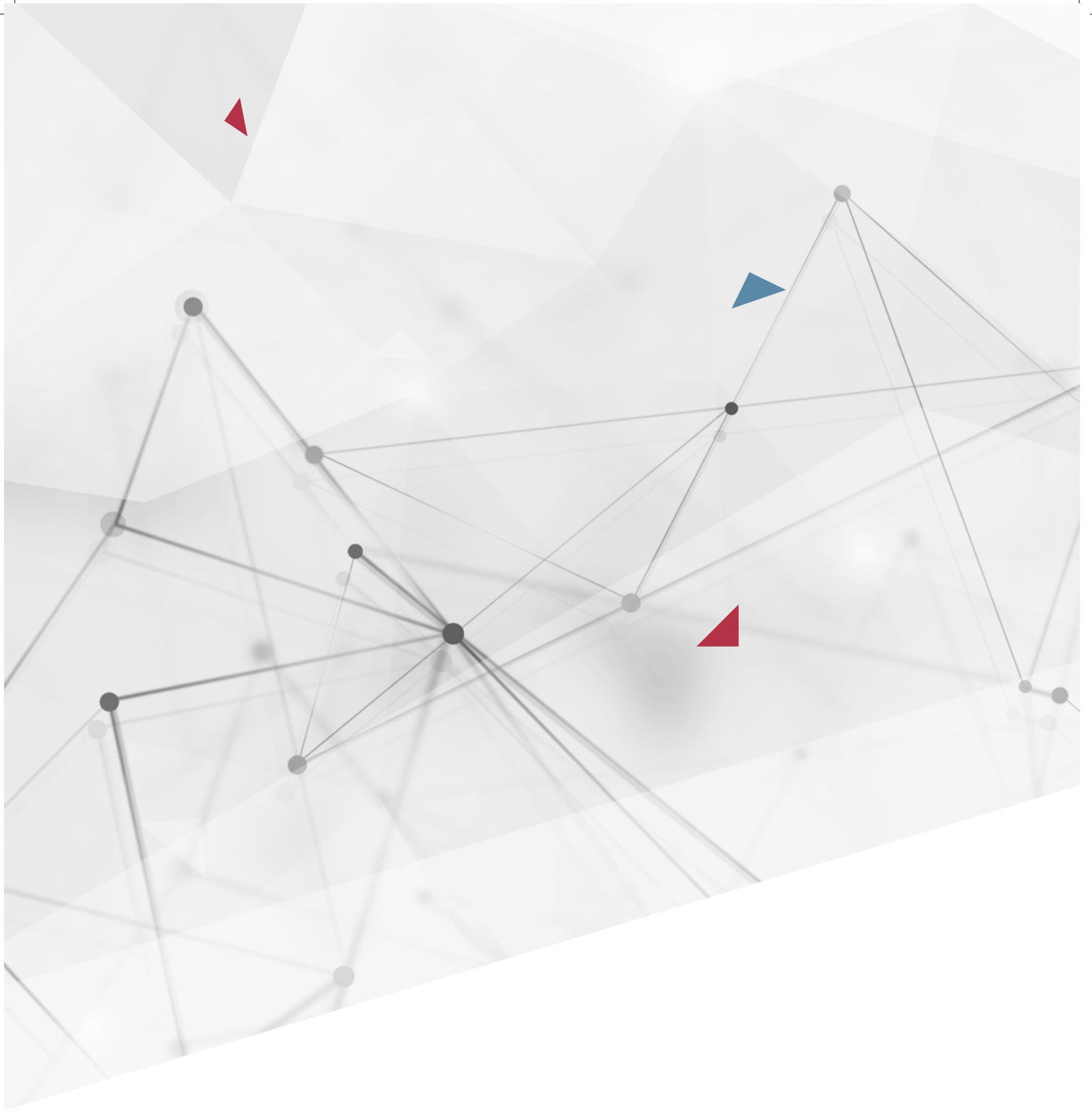
Crane or wall-mounted weatherproof intercom stations connection

Enables the crane operator to respond to the calls (recently received from a subscriber).

INDUSTRONIC

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