

DW-IP2 Digital weatherproof call station

RMLT.465311.006



DW-IP2 weatherproof loud-speaking call station is used at industrial and transportation sites in distributed and centralized Intercom and PA/GA communication system Armtelics.

DW-IP2 is designed for outdoor use and harsh environments with high humidity, noise, dust and smoke levels including environments with aggressive chemical vapors, within the broad temperature range. DW-IP2 includes built-in software and configuration data for direct communication with other subscribers of the communication system, processing of calls priority, control of communication and indication modes.



Extreme operating temperatures



Protection against temporary immersion in water



Up to 6,8 kHz bandwidth

Key features:

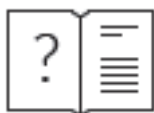
- Wide range of optional modules; • Group simplex calls;
- Duplex and half-duplex communication via SIP protocol;
- Use of toggle switches / pushbuttons and dial pad for communication;
- Two ways of connection: Ethernet port or ADSL port via twisted pair cable
- Communication via SIP or Armtel-IP protocols;
- Volume control of integrated loudspeaker and a handset speaker; • One-way control mode and «End call» function;
- Recording and playback of voice messages;
- Indication of faults on call pushbuttons of associated device;
- Control of external signaling device with the help of built-in relay.

Technical specifications

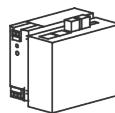
Rated power supply voltage	-48 V
Operating voltage	from -36 V to -60 V
Power supply by PoE plus (IEEE 802.3at) (for versions without heating board and ADSL module)	-48 V
Bandwidth of low-frequency signal (by level -3 db) (only when using SIP-codec G.722.1 or Armtel-IP codec)	from 300 to 6800 Hz
Maximum quiescent current	
- versions without heating board and ADSL module	0,19 A
- versions with ADSL module	0,24 A
- versions with heating board	0,21 A
- versions with heating board and ADSL module	0,26 A
Maximum consumption current	
- versions without heating board and ADSL module	2,1 A
- versions with ADSL module	2,2 A
- versions with heating board	3,7 A
- versions with heating board and ADSL module	3,8 A
Sound pressure level of the integrated loudspeaker at maximum volume at a distance of 1 meter, min:	
- with external power supply	105 db
- with power supply via PoE line	85 db
Maximum electric power of the amplifier:	
1 channel (external loudspeaker):	
- with load resistance of 8 Ohm;	25 W
- with load resistance of 4 Ohm;	50 W
2 channel (internal loudspeaker):	
- with load resistance of 4 Ohm and external power supply;	15 W
- with load resistance of 4 Ohm and power supply via PoE plus line	2,0 W
Total length of the recorded sound fragments	1500 min
Network interfaces	100BaseT Ethernet, ADSL, ADSL2, ADSL2+
Network protocols	«SIP», «Armtel-IP», IEEE802.3, IEEE 802.3u, ITU G.992.1...992.5
Audio data format (codec):	
- via SIP protocol	G.711A (A-Law), G.711U (μ-Law), G.722.1
- via Armtel-IP protocol	Armtel-IP
Operating temperature for versions without heating board	from -40°C to +70°C
Operating temperature for versions with heating board	from -60°C to +40°C
Air humidity	Up to 75 % at +15°C up to 100 % at +25 °C
Protection level	IP66
Electrical safety class	III
Maximum dimensions:	
- versions without handset	515×130×205 mm
- versions with handset	540×130×225 mm
Maximum weight depending on versions	from 6,2 to 7,05 kg

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Deliver includes



Set of operational documents



Mounting kit (bracket x2, bolt M6×16 DIN 933 x4, washer 6 DIN 127A x4, washer 6 DIN 9021 x4)

Optional modules

Identification	Description
Two-way toggle module (from 1 to 3)	The module is designed for 2 connections or programmable functions with built-in LED indications of dedicated subscriber status and communication line
Direct call pushbutton module for 8 connections	
Dial pad module with 12 pushbuttons	10 for dialing and 2 for communication control
Handset with special bracket	
Information module for recording of required information	
Emergency module «SOS» with visual button and inscription	
Emergency module «INFO» with visual button and inscription	
ADSL-module	Integrated module for communication via twisted pair of ADSL line
Heating board	Integrated board for operation in low temperature range (down to minus 60 °C)