

ICO EMERGENCY

IP INTERCOM

- ✓ *Intercom with emergency button / RFID reader*
- ✓ *Compliance with DIN EN 50726-1
VDE 0827-1:2025-06 standard*
- ✓ *Up to 3 programmable buttons*
- ✓ *Vandal-resistant housing IK08/IP54*
- ✓ *Acoustic monitoring of speaker-microphone path*
- ✓ *DSP functions: noise reduction, echo cancellation,
automatic volume control*
- ✓ *Integrations available via SNMP v3*


DIN VDE
V 0827

EN
50726


ICO EMERGENCY is an emergency intercom designed in accordance with the EN 50726-1 standard, ideal for applications requiring rapid notification. It is equipped with a large, intuitive red emergency button protected by a breakable cover. Activating this button initiates a priority connection with the intercom system operator or the automatic playback of a pre-programmed voice message from the server. The intercom additionally

offers 1 to 3 programmable buttons that can be configured for standard call functions. ICO EMERGENCY has 3 relays and 6 GPIO inputs/outputs, enabling integration with external devices such as strobes, electronic locks, or external buttons. ICO EMERGENCY can transmit information about its status to management systems (PSIM, BMS, etc.) directly, bypassing the SIP server, using the SNMP protocol. Voice communication is

hands-free, utilizing advanced digital algorithms that improve sound quality through noise reduction, automatic volume control, and echo cancellation. ICO EMERGENCY can be powered via PoE or using an external DC power supply. The vandal-resistant housing with IP54/IK08 rating ensures reliability in harsh environmental conditions. Dedicated mounting accessories allow for surface, flush, and drywall mounting.

MODELS	Description
ABT-ICO-EME-B1E	Intercom equipped with a single programmable button
ABT-ICO-EME-B3E	Intercom equipped with three programmable buttons
ABT-ICO-EME-B1RF	Intercom equipped with RFID reader and a single programmable button
ABT-ICO-EME-B3RF	Intercom equipped with RFID reader and three programmable buttons

ACCESSORIES	Description
ABT-IAC-BOX01-PB	Mounting box for modular and plasterboard walls
ABT-IAC-BOX01-F	Flush-mounting box
ABT-IAC-BOX01-W	Surface-mounting box

	ICO EMERGENCY
Audio	
Loudspeaker	1 × built-in speaker with rated power of 5W
Amplifier	Class D; 15 W
Microphone	1 × MEMS type (frequency response 60 Hz – 20 kHz)
Audio input	1 × balanced line input – nominal level 775 mV RMS
Audio output	1 × balanced line output – nominal level 775 mV RMS
Headphone output	Output power 0,25W, Minimum load impedance 16 Ohm
Codecs	Speex, iLBC, GSM, PCMU, G722, Opus, G729, L16
Indicators and Control	Output Power 0.25 W, Minimum load impedance 16 Ω
Interfaces	
Emergency button	1 × red emergency button, behind breakable glass cover (versions B1E and B3E)
Programmable button	1 or 3
Ethernet ports	2 × Ethernet port
Relays	2 × make contact input: 30 VDC, 1A / 125 VAC, 0.3A, max. switching voltage 250 VAC / 220 VDC, max. switching power 62.5 VA / 30 W, max. load current 2A
GPIO	6 × digital input/output: parametric input (2-state); logic output 0-5V, current output 18mA, common reference point
LED Driver	12V, current limiting resistor 300 Ohm
Power supply	
PoE	IEEE 802.3af 3af / Class 0, IEEE 802.3at / max. 12.95W (RJ45)
DC	12V / 2A power supply (screw terminal)
Environmental parameters	
Operating Temperature	-40 to +65°C
Relative Humidity	10% to 95% (non-condensation)
Mechanical Resistance	IK08
Dust/water protection	IP54
Physical parameters	
Dimensions (H × W)	137 × 277 mm
Weight	1500 g
Material	Stainless steel