2N® Helios IP Safety

2N® Helios IP Safety is a first-class security intercom designed for emergency communications. No matter whether it is inundated or exposed to −40°C frost; it remains fully functional and allows you to reach help at once. In addition, thanks to its orange colour it is easy to locate in poor visibility.

Logistics and transport	Schools and campuses
Industrial zones	State administration public
Public spaces	buildings

Communications under all conditions

Get high-quality sound even in challenging circumstances thanks to HD audio with automatic volume adjustment and IP69K and IK10 grade extreme endurance.

Always visible and functional

You can rely on the distinctive orange colouring and blue backlit buttons. You will never find this intercom hard to find when you need it.

Integration into your existing system

Increase the reach of emergency announcements. Thanks to its 10 W amplifier you can use 2N® Helios IP Safety as a loudspeaker for public address.

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SIP support with no server needed
Thanks to SIP protocol support the intercom can link easily with IP phones and PBX from other producers, without having to connect to the server.

Security relay
This simple additional device prevents manipulation with the lock, preventing unauthorized intrusion.

Tamper switch
The 2N IP intercom can be fitted with a tamper switch that detects unauthorized device intrusions.

Time profiles
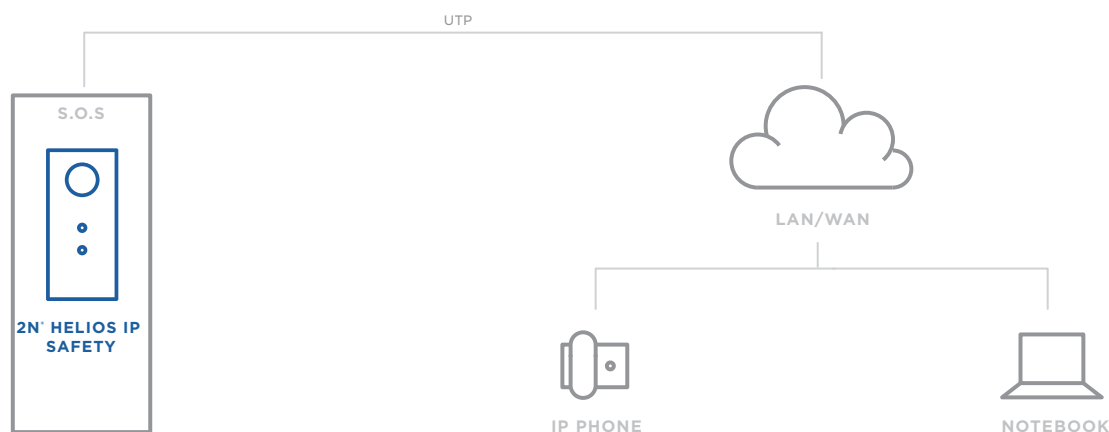Thanks to this function you can define in what period of time the phone number is valid.

Backlit buttons
2N® Helios IP Safety features 1 or 2 keys which are distinctively backlit in blue.

Audio loop test
The intercom regularly performs audio self tests. In the event of a failure of the microphone or speaker, it reports the problem.

Signalling protocol

SIP 2.0 (RFC - 3261)

Button

Button design	metal buttons with blue backlight or a red emergency button
Number of buttons	1 or 2
Numeric keypad	No

Audio

Microphone	2 built-in microphones
Speaker	10W
Sound pressure at 1 kHz at 1 m distance	94dB (10W speaker)

Audio stream

Codecs	G.711, G.729, G.722, L16/16kHz

Interfaces

Power supply	12V±15%/2A DC or PoE
PoE	PoE 802.3af (Class 0 - 12.95W)
LAN	10/100BASE-TX with Auto-MDIX
Passive switch	NC/NO contacts, max 30 V/1 A AC/DC
Active switch output	9 to 13 V DC depending on Power supply (PoE: 9 V; adapter: source voltage minus 1 V), max 700 mA

Mechanical properties

Weight	max. 2000 g
Operating temperature	-40°C – 55°C
Storage temperature	-40°C – 70°C
Operating relative humidity	10%-95% (non-condensing)
Dimensions	217x109x83 mm
Ingress Protection	IP69K

2N® Access Commander – software to manage 2N IP intercoms and access units
2N® Network Scanner – application for detecting 2N IP intercoms and access control units on the network
2N® Helios IP Mobile – application for opening the door remotely with a mobile phone

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