2N® Helios IP Safety
IP safety intercom

Emergency calling anywhere

2N® Helios IP Safety is designed as the ideal intercom for emergency voice communication under extreme conditions. Its striking orange colour and backlit button guarantee that it cannot be overlooked and also guarantee its functionality in crisis situations and under adverse lighting conditions - in a smoke-filled environment for example.

2N® Helios IP Safety provides the highest level of protection against dust and water and mechanical damage up to IP69K, and it is thus also resistant to rough handling and adverse weather conditions.

2N® Helios IP Safety can also be used in very noisy environments thanks to two integrated microphones suppressing background noise and a speaker with performance of up to 10W. The powerful speaker also makes it possible to use 2N® Helios IP Safety as a loudspeaker if necessary.

Features:
- Maximum resistance to dust, water and mechanical damage
- High level of comprehensibility and high volume in noisy environment
- Striking colour for easy identification under poor lighting conditions
- Backlit anti-vandal button made of stainless steel
- Integrated relay for controlling external devices

Benefits:
- Reliable communication under any conditions
- Simple installation and configuration
- Other elements can be added to expand the system with ease

Target Groups:
- Garages
- Shopping centres
- Motorways
- Filling stations
- Heavy industry

Crystal clear sound

Features

2N® Helios IP Manager
PC application serving for administering the configuration and collective setting of all 2N® Helios IP intercoms installed on premises. It makes it possible to divide up the premises into zones, to create user groups, configure access rights, manage telephone numbers and lists etc.
Practical use:
The application saves you time on configuration, in particular in the case of extensive installations. You can manage the configuration of the entire system clearly from a single place and can synchronise changes with the push of a single button.

Remote control of switches
The integrated switch in 2N® Helios Safety can be managed via the systems of third parties by using simple http commands via the LAN network.
Practical use:
One example may be the activation of emergency lighting connected to 2N® Helios IP Safety from the control centre of security as needs be.

IP relay
IP relay can be used as a reliable solution for the management of remote appliances which cannot be connected directly to 2N® Helios IP Safety for safety or other reasons. IP relay is connected to the local network and is controlled by commands for making and breaking contacts.
Practical use:
IP relay is connected to the network in the secured place and is connected with the door lock. When the code is entered for opening the door, an HTTP command for switching on/off the switch is sent from IP 2N® Helios IP Safety to the IP relay.

Tamper switch
Switch connected with mechanics of 2N® Helios IP Safety for detection of forced opening.
Practical use:
If 2N® Helios IP Safety is installed, for example, on a motorway, you have an overview of whether someone has attacked or damaged the installed intercoms, and you can send technicians to precisely where they are needed.

Time profiles
The time profiles function makes it possible to manage calls according to the current time and day of the week.
Practical use:
During the day an emergency call can be routed to the control centre of security on the premises, and at night it can be routed directly to a police or fire station.

Technical parameters

Signalling protocol
	SIP 2.0 (RFC - 3261)

Buttons
Button version	stainless, vandal resistant with backlighting
Number of buttons	1

Audio
Microphone	2 integrated microphones
Speaker	1W (optionally 10W)

Audio stream
Codecs	G.711, G.729

RFID card reader
Supported cards	EM-40XX (125Khz)
	HID Proximity (125kHz, 26 bit)

Interface
Power	12V±15%/1A DC or PoE
PoE	PoE 802.3af (Class 0 - 12.95W)
LAN	10/100BASE-TX with Auto-MDIX
Passive switch	NC/NO contacts, max 30V/1A AC/DC
Active output of switch	12V/700mA DC

Mechanical properties
Operating temperature	-40°C – 55°C
Storage temperature	-40°C – 70°C
Storage relative humidity	10% - 95% (non-condensing)
Dimensions	217x109x83 mm
Protection level	IP65, selected models IP69K

2N® Helios IP Family:

2N® Helios IP Force

2N® Helios IP Safety

2N® Helios IP Vario

2N® Helios IP Uni

The 2N® Helios IP family is a wide range of door intercoms for every situation - whether in security, business, emergency, or any other special area.

From providing simple applications requiring a clear and easy connection to a single IP telephone, to comprehensive communication arrangements integrated into security and signalling systems and IP PBXs. Having the highest quality and certification, 2N ensures compatibility with industry-standard-based IP network solutions such as Avaya, Cisco, and others.