TELEKOMUNIKACE

2N Helios

Telephone based door entry solution

- Are you tired of constantly looking for your keys? Would you like to open your door using a code or your mobile telephone?
- Do you want to not only hear the person outside your door, but see him/her also?
- Are you away from home/the office but still want to open your door to a visitor?
- Do you require simple functions from your door system or are you particular about modern design?

Thanks to the 2N Helios door entry system you do not have to wait at home for delivery of an important document. You can open the entrance door remotely using your mobile phone.

Mr. Brown is leaving his house and activates the Departure mode via his desk phone on his 2N Helios door entry system.

Mr. Smith, a colleague of Mr Brown, arrives and brings him an important draft project. He rings the bell, but nobody is at home.

Mr. Brown's phone is ringing on his way to a meeting. Somebody is calling at his house entrance and the call is redirected to his mobile.

His colleague Mr. Smith is standing outside his house and Mr. Brown finds out that his colleague has brought him an important document.

Mr. Brown enters a code on his mobile phone and opens the door for Mr. Smith.

Mr. Smith goes into Mr. Brown's house.

Mr. Smith places the draft project on the table as agreed and leaves.

Mr. Brown is happy. Thanks to **2N Helios** he did not have to waste his time at home waiting for the document.

Telephone based door entry solution

What benefits does 2N Helios bring you?

- **You do not need a key to get into your office** – you can simply open the office door by entering a numerical code or using a card, which you swipe against the contactless card reader.
- **You can open the entrance door from anywhere** – if you are in the office you can use your desk phone, if not use your mobile phone.
- **You can see your visitors as well as hear them** – thanks to the built-in video camera, you can see all arriving guests on your computer monitor.
- **You can easily find the name you are looking for on the well-designed display** – you can save names, logos etc. Searching for a contact is as simple as on your mobile phone.
- **You can open up to two entrances with one touch of a button** – first open the gate into the complex for your visitor and then main entrance to the building.

Are you building or renovating a house? Are you looking for the optimum solution for the entrance door to your company/ hotel/hospital or family house? **2N Helios** is designed just for you. Thanks to its modularity, this door entry system can be used both for smaller houses as well as for more extensive buildings, which normally requires several tens of buttons.

We manufacture **2N Helios** in several models; one example is the "Antivandal solution", which protects the door entry system against damage.

You can find other advantages and solutions at **www.2n.cz**

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2N Helios

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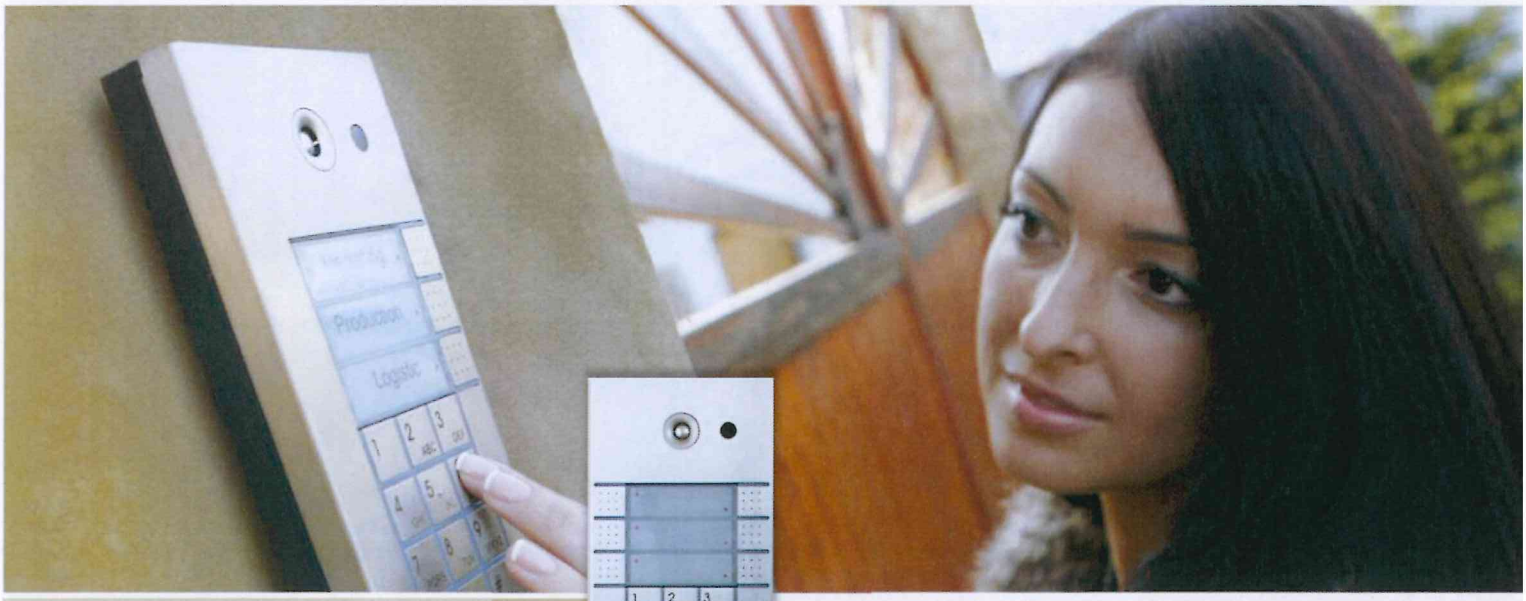


- **Unique design**
- **Communication over telecom base lines**
- **Calling from entrance door to your office telephones**
- Door opening from standard or mobile telephone, by key code or proximity card
- Modular system – possibility of upgrading basic modules by camera, display & access control, system

2N Helios is a door entry system which meets the highest demands and is of a modern design. This user-friendly door phone replaces door systems and offers many additional features.

2N Helios can be connected to any analog PBX extension available on the market. As a result of its modularity it enables the creation of customised solutions according to the user´s needs, not only in terms of its size, but also with various control elements and functions. Each basic module can be equipped with a camera, display or card reader and an anti-vandal solution against damage. 2N Helios is made of high-quality stainless steel, and its flat design makes possible installation without cutting into the wall. The main advantages of 2N Helios door entry solution include easy installation, state of art functions and a modern design.

For further informations about our products please call **+420 261 301 500** or email us at **sales@2n.cz**. To get more information visit **www.2n.cz**.

Button telephone:

Using the keypad you can dial any number. Tone and pulse dialling is available. It is possible to restrict authorisation for calls to the public telephone network at the PBX.

Code lock:

You can control the connected electric lock directly from the door. It is possible to define up to ten passwords with a length from 1 to 16 digits. The parameter of the period for which the switch is closed can also be set.

Video:

A connected video camera makes possible visual inspection of those entering the building. The picture can be sent either to your PC or the connected LCD display or TV set. At night a good picture is ensured by switching to the black and white mode and also infrared illumination.

Display:

The display provides you with the possibility of selecting the numbers using the telephone book. Up to one thousand items are available, and you can upload them from your PC via a USB interface. Company logos or other graphics can be allocated to the individual items. Display also gives you the opportunity to completely service the unit.

Card reader:

An installed card reader offers another resource for access to your building. Up to 750 proximity cards or key fobs are available. If you connect the reader module to your PC, you can check the entries and departures of the individual card holders. If the door is forced, you will receive an alarm announcement.

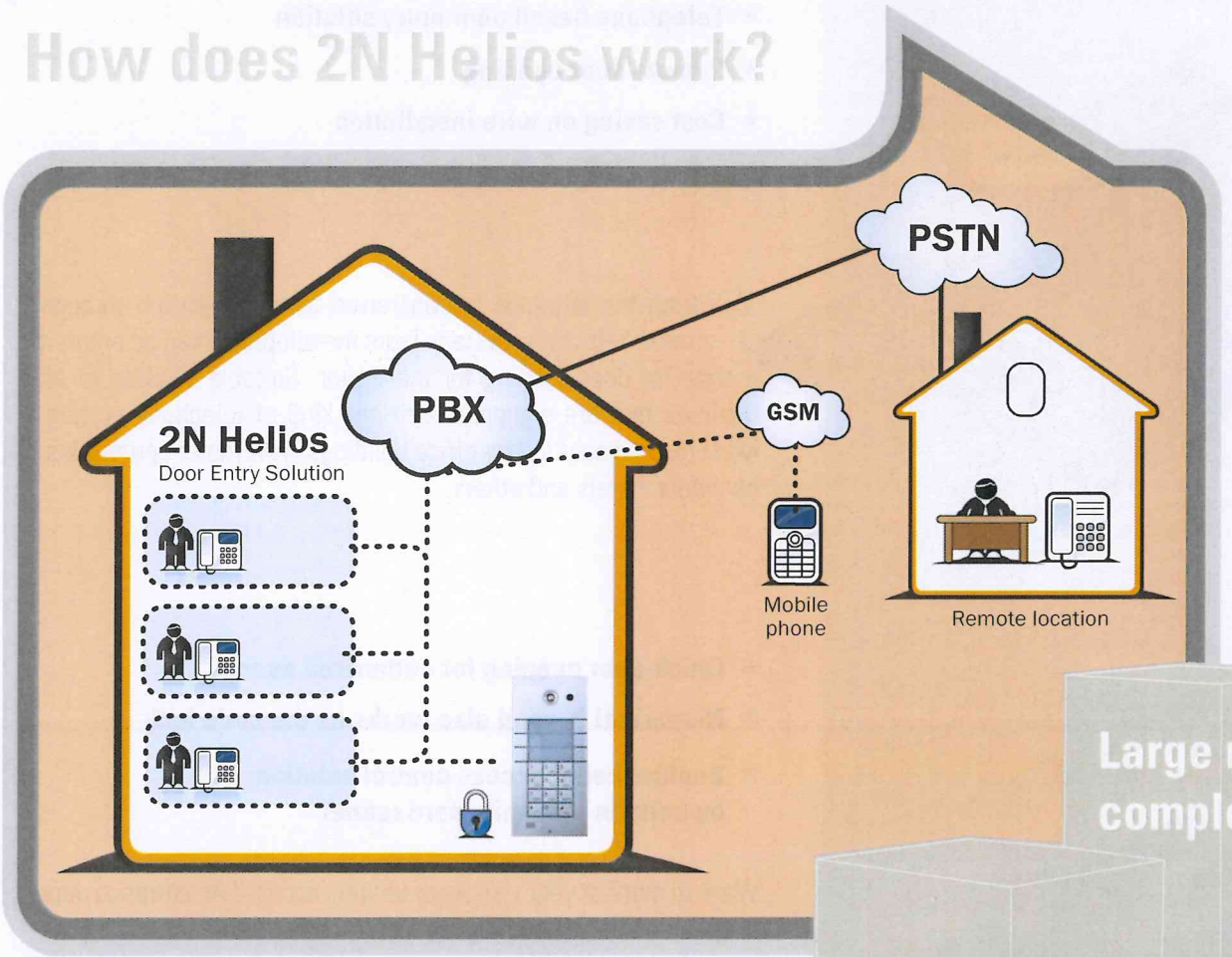
Additional switch:

This is an excellent resource for controlling a second appliance (one switch is integrated into every basic module). Closing and opening contacts are available. This switch also enables switching for an unlimited period or for the time of call duration. The additional switch can be used, for example, for switching on the light in the vestibule / corridor.

Voice programming menu:

For simple programming, a voice menu is implemented which navigates you through the setting of the individual parameters. It is possible to hear the current parameters settings and the scope of possible values which can be saved.

How does 2N Helios work?



Office building

Large residental complexes

Companies

Flats

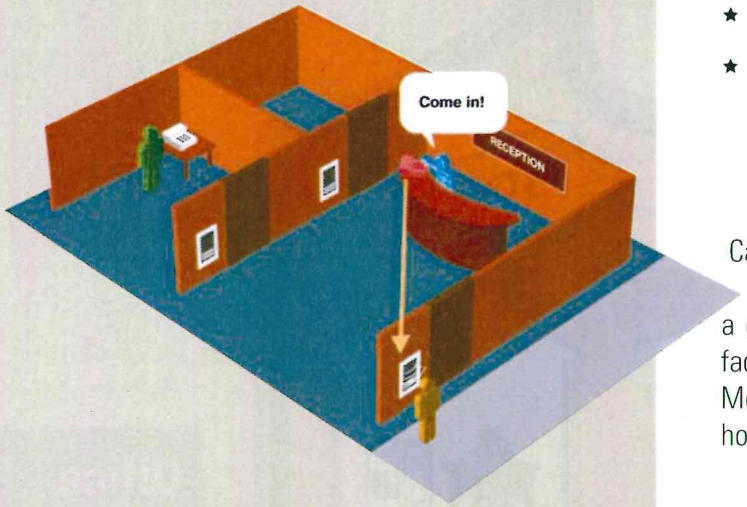
House

Who is 2N Helios Intended for?

HELIOS

- Residential houses & gated communities
- Public sector
- Schools & universities
- Hospitals & military bases
- Manufacturing facilities & distribution centres

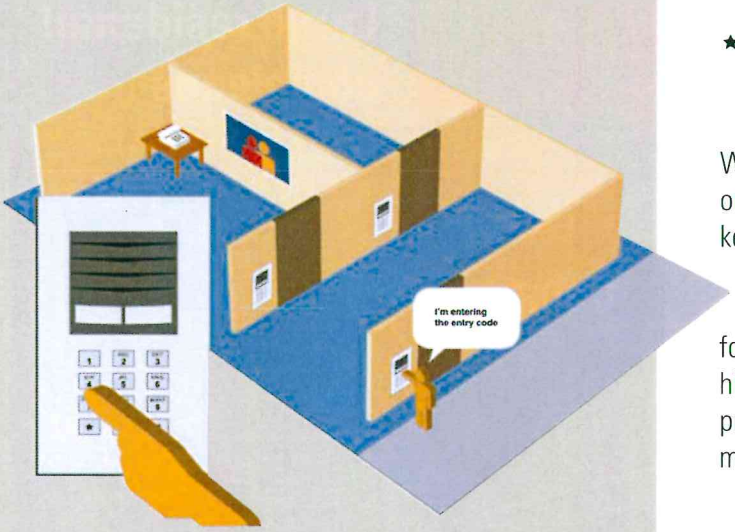
1. Office building



- **Telephone based door entry solution**
- **Remote door opening**
- **Cost saving on wire installation**

Call from the entrance is transferred to the extension through internal telephone system. From the telephone can be entered a code for door opening for the visitor. Suitable solution to all facilities that are equipped with any kind of telephone system. Most desired solution for office buildings, government properties, hospitals, hotels and others.

2. Access control



- **Quick door opening for authorized users**
- **Numerical keypad also works as the code lock**
- **Sophisticated access control solution by build in proximity card reader**

Want to monitor your visitors or tenants access? An entrance door or gate can be opened during the call by entering a code on the keypad of a standard telephone or mobile phone. As a resident by knowing the code for entering, you can type the code directly on the entrance panel for access. More sophisticated solution for access can be a proximity card or key fobs where reader is hidden inside of a 2N Helios entrance panel. You can link our proximity reader back to central software to provide you with more features and vital statistics.

3. Automation

- **Wireless communication suitable for remote gates, entrances and help points**
- **Available at any time through GSM network**
- **Entrance opening from mobile phone**

After pressing the button, 2N Helios GSM solution allows you to wirelessly dial any mobile phone or a land line telephone in your premises and grant access to your visitor regardless of your location. This means there is no limit on distance and with the elimination of wires, gives you an easy installation.

Case studies

Basic modules

9135110E 1 button

9135130E 3 buttons

9135160E 6 buttons

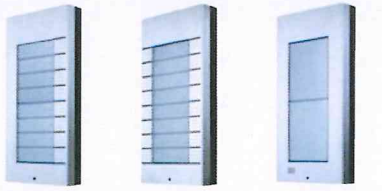
9135110KE 1 button and keypad

9135130KE 3 buttons and keypad

9135160KE 6 buttons and keypad

100 x 210 x 29 mm

Extender modules



9135181E Extender 8 buttons

9135182E Extender 16 buttons

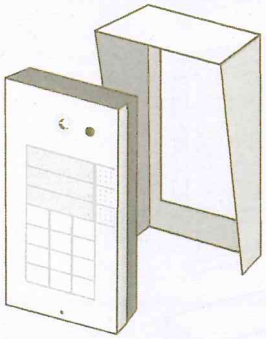
9135310E Infopanel without buttons

100 x 210 x 29 mm

Roofs, boxes

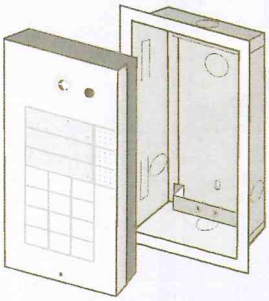
9135331E
Roof for 1 module
103 x 218 x 60 mm

9135332E
Roof for 2 modules
203 x 218 x 60 mm



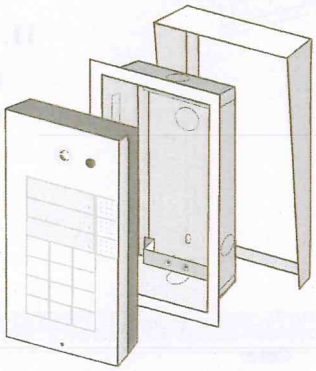
9135351E
Flush fixed box for 1 module
125 x 235 x 46 mm
Hole:
110 x 220 x 50 mm

9135352E
Flush fixed box for 2 modules
225 x 235 x 46 mm
Hole:
210 x 220 x 50 mm



9135361E
Roof & box for masonry fitting - 1 module
129 x 240 x 41 mm
Hole:
110 x 220 x 50 mm

9135362E
Roof & box for masonry fitting - 2 modules
229 x 240 x 41 mm
Hole:
210 x 220 x 50 mm

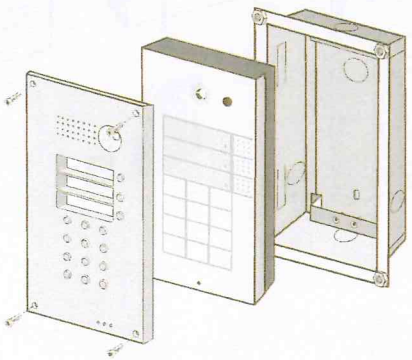


Vandal resistant masks, boxes

9135511E
Vandal resistant mask and box for masonry fitting
Mask:
138,5 x 241 mm
Hole:
110 x 220 x 50 mm

9135511KE
Vandal resistant mask with keypad and box for masonry fitting
Mask:
138,5 x 241 mm
Hole:
110 x 220 x 50 mm

9135515E
Vandal resistant mask for extender and box for masonry fitting
Mask:
138,5 x 241 mm
Hole:
110 x 220 x 50 mm



Additional modules

9135210E
Video camera

9135250E
Additional switch

9135240E
Display

Accessories

9135301E
Name plate

9135302E
Doublebutton name plate

9135311E
Infopanel name plate

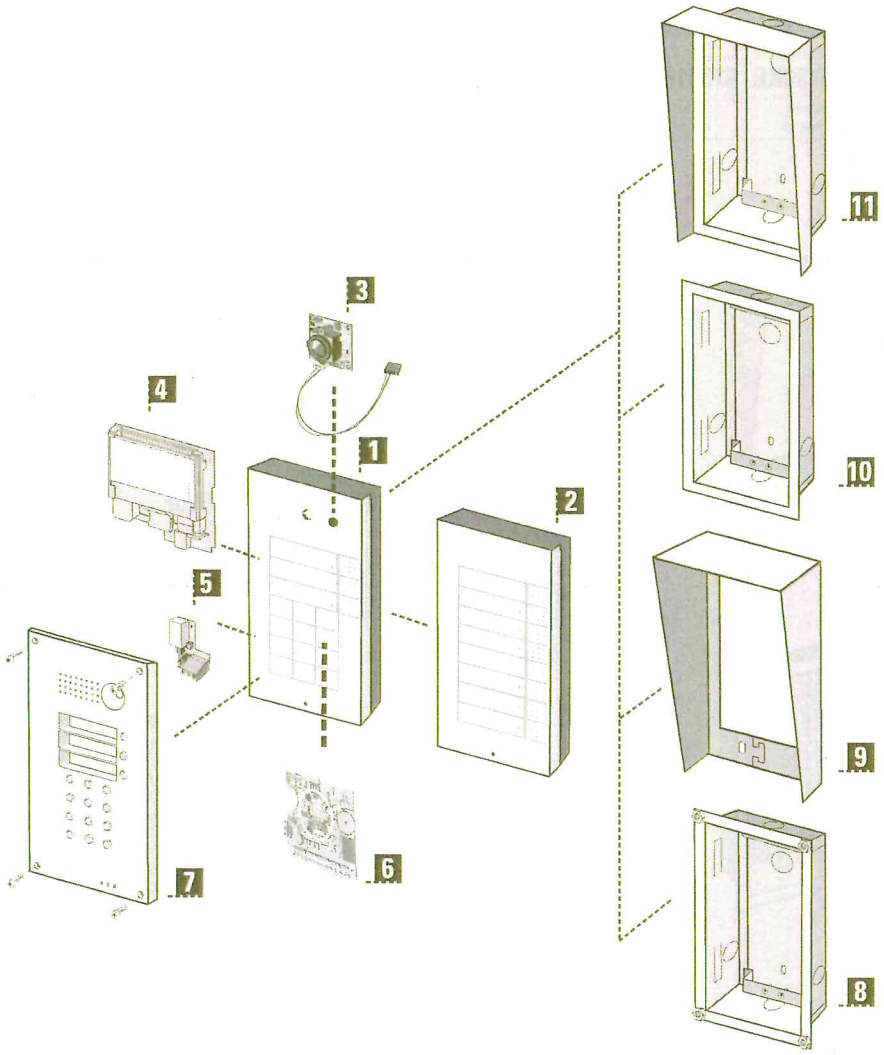
Complimentary products

9134145E
Video server MPEG4/LAN

9134147E
LCD display 7

91341481E
12V/2A stabilised power supply

2N Helios modular system



1. Basic module

1 button
3 buttons
6 buttons
1 button and keypad
3 buttons and keypad
6 buttons and keypad

2. Extender

8 buttons
16 buttons
infopanel without buttons

3. Video camera

4. Display

5. Additional switch

6. Card reader

7., 8. Vandal resistant mask, Box for masonry fitting

for basic module
for basic module and keypad
for extender

9. Roof

for 1 module
for 2 modules

10. Flush fixed box

for 1 module
for 2 modules

11. Roof and box for masonry fitting

for 1 module
for 2 modules

Technical parameters

2N Helios	
Number of buttons	1-54
Connection with PBX	FXS – (internal) analogue telephone line according to standards CCITT
Power supply	From telephone line
DC voltage drop	< 8 V (I = 25 mA)
(off-hook)	< 16 V (I = 50 mA)
Dialling	impulse / tone
Backlight – rated voltage	12 V

Cover	External environment with sufficient rain protection
Operational temperature range	-20 - +60 °C
Switch – max. voltage/current	max. 48 V / 1 A AC
Dimensions (1 module)	210 x 100 x 29 mm (H x W x D)
Weight	max. 500 g
Coverage	IP 53

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