

iNELS

Simple way for Smart Home



inels-home.com





THE BRAND OF



For over 32 years we have been developing and manufacturing high quality electronics for industrial and residential electronic.



5 years warranty as standard



Made in Czech Republic



Manufacturer support



Accredited testing laboratory



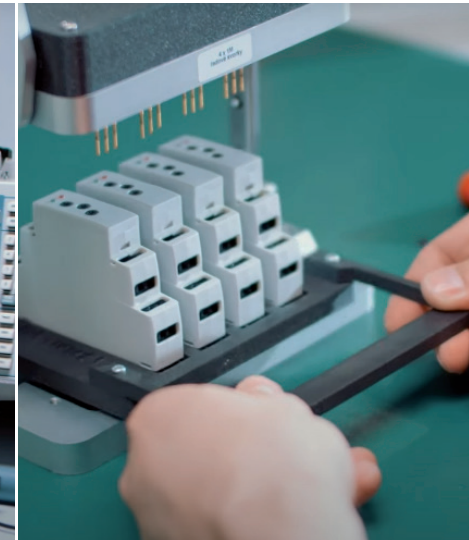
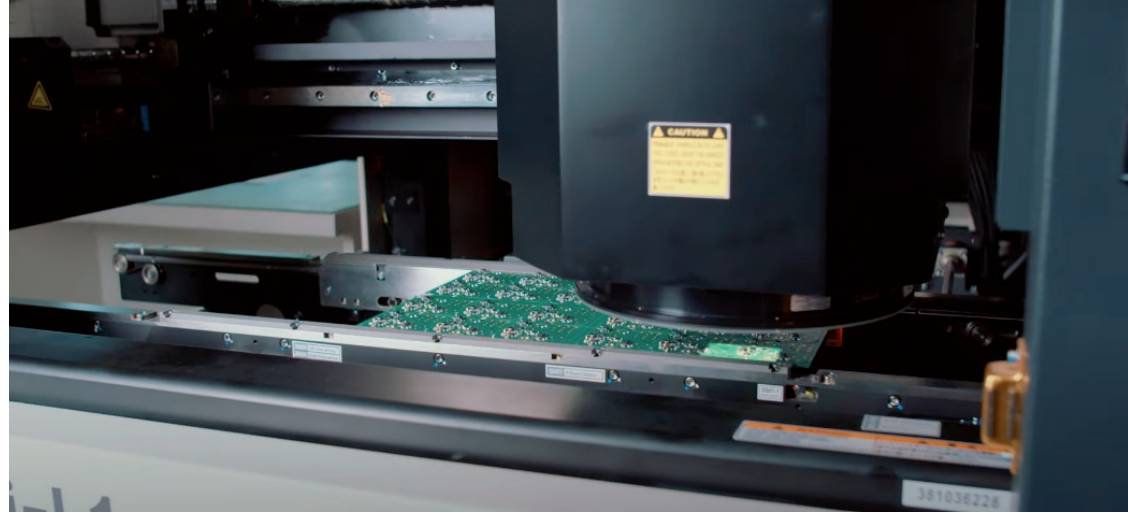
Czech Product

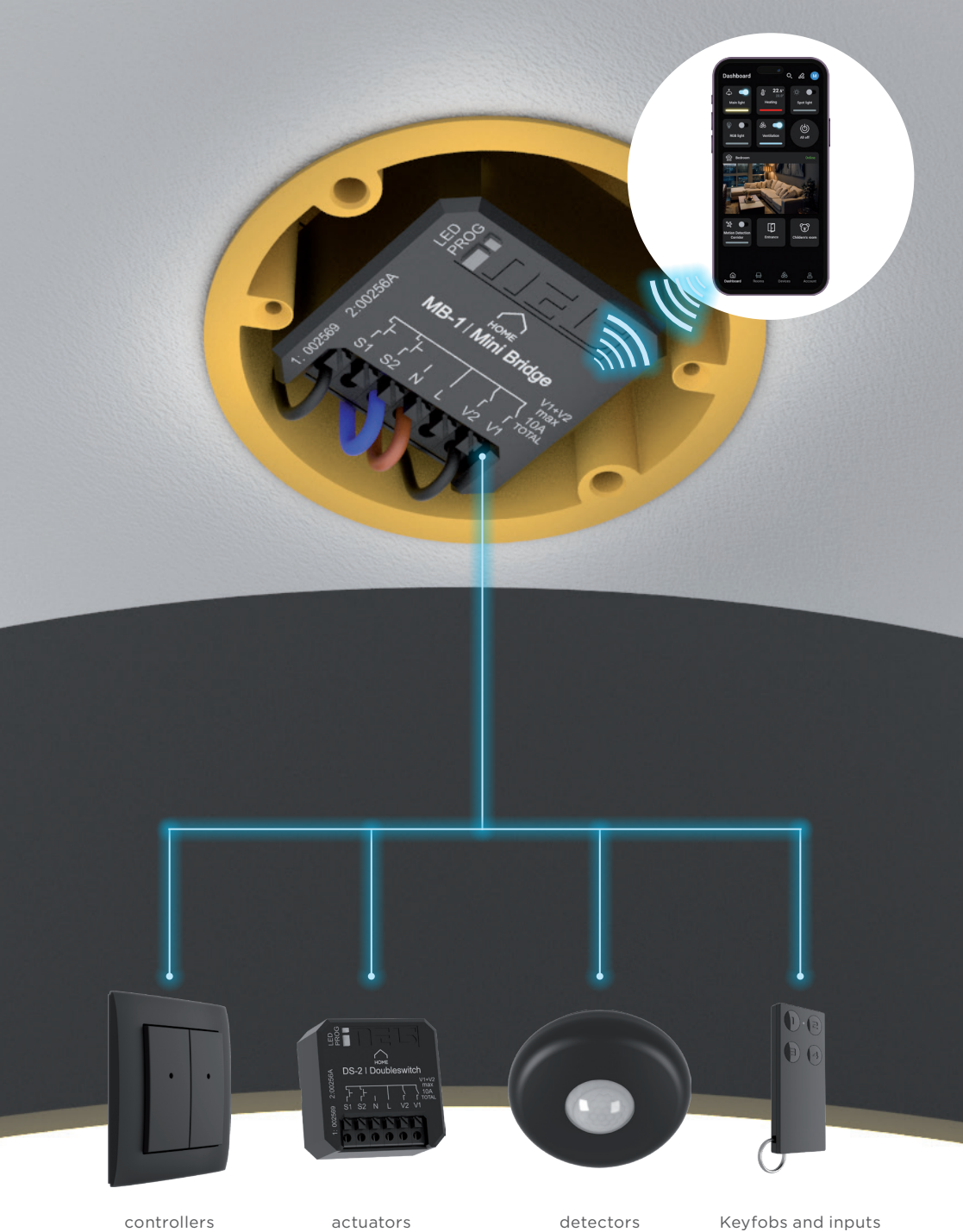


Czech Business Superbrands



Czech Top 100 admired companies





controllers




actuators



detectors

Keyfobs and inputs

Mini Bridge **MB-1**

A unique solution on the market: switching relay with WiFi connection and Bridge function for other elements of the iNELS Home ecosystem.

-  The smallest Smart Home HUB
-  90% of functions without cloud connection
-  Zero Cross equipped relay

-  App control
-  Bridge for up to 20 iNELS Home devices



General

Model	MB-1
EAN Code	9380
Order Code	8595188193801
Power Supply	5V DC, USB Type C
Nominal switching capacity	10A 250VAC AC1*
Connection	screwless terminals
Working temperature	-20 to +50 °C
HUB required	no
Warranty period	5 years
Expected lifetime	15 years
Country of manufacture	Czech Republic

* 8A for US market

Radio

Communication	RFIO3
Radio Frequency	868-922 MHz
WiFi	IEEE 802.11

Construction

Colour	black
Dimensions (mm)	43 × 44 × 22 mm
Protection	IP40
Standards	EN 60730, EN 63044, EN 301489, EN 300 220

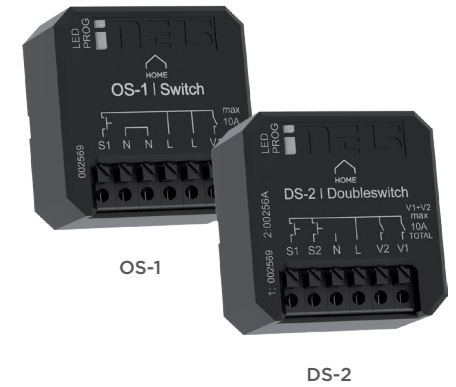


Switch **OS-1** / Double switch **DS-2**

Powerful and long-lasting relay for switching lights, sockets and other household electrical devices.

- 6 switching functions on-board
- Screwless terminals for easy installation
- 200 m Professional radio frequency
- Zero Cross function
- Inputs for external buttons / switches

- App control via HUB
- Direct communication with other devices



General

Model	OS-1 / DS-2
EAN Code	8595188193702 8595188193719
Order Code	9370 / 9371
Power Supply	110-230V AC
Relay outputs	1 / 2
Nominal switching capacity	10A 250VAC AC1* (Total)
HUB required	For app control only
Inputs for switches and buttons	1 / 2
Warranty period	5 years
Expected lifetime	15 years
Country of manufacture	Czech Republic

* 8A for US market

Radio

Radio Protocol	RFIO3
Radio Frequency	868-922 MHz
Signal Range (Open Filed)	200 m






Construction



Colour	black
Dimension - sensor (mm)	43 × 44 × 22
Protection	IP40
Standards	EN 60730, EN 63044, EN 301489, EN 300 220



Dimmer DIM-1

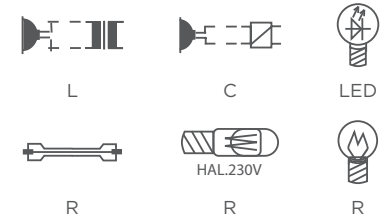
Phase dimmer for several types of light loads and a number of preset light functions.

-  For all types of LED dimmable lights
-  Sunset and sunrise automations
-  200 m Professional radio frequency
-  Soft-start system for smooth dimming
-  Input for external button

-  App control via HUB
-  Direct communication with other devices



Load types:



General

Model	DIM-1
EAN Code	8595188193771
Order Code	9377
Power Supply	110-230V AC
Load capacity	160 W
Connection	4-wire, with "NEUTRAL"
HUB required	For app control only
Types of light sources	LED, RC, L, ESL
Warranty period	5 years
Expected lifetime	15 years
Country of manufacture	Czech Republic

Radio





Radio Protocol	RFIO3
Radio Frequency	868-922 MHz
Signal Range (Open Filed)	200 m



Construction

Colour	black
Dimension - sensor (mm)	43 × 44 × 22
Protection	IP40
Standards	EN 60730, EN 63044, EN 301489, EN 300 220

Two buttons **TB-2** / Four buttons **FB-4**

Battery powered controllers for direct communication with switching and dimming units. Control your lights, blinds and any other appliances you need.

-  Changeable design
-  Multiple control functions
-  Thin and easy to assemble
-  Long battery life time

-  App control via HUB
-  Direct communication with wireless controllers



TB-2
Two buttons

FB-4
Four buttons

General

Model	TB-2, FB-4
EAN Code	8595188193733 8595188193740
Order Code	9373 / 9374
Power Supply	1× 3 V CR 2032 battery
Indication	2 / 4
Push inputs	Drained battery indicator
Working temperature	-10 to +50 °C
HUB required	no
Battery life	around 5 years based on frequency of use
Mounting	glue/screws
Warranty period	5 years
Expected lifetime	15 years
Country of manufacture	Czech Republic

Radio

Radio Protocol	RFIO3
Radio Frequency	868-922 MHz
Signal Range (Open Filed)	200 m

Construction

Colour	black (or other from Logus ⁹⁰ range)
Dimension (mm)	85 × 85 × 16
Protection	IP30
Standards	EN 60730, EN 63044, EN 301489, EN 300 220




Design variants:







Shutter Blinds **SB-2**

Most popular automations for blinds and shutters, garage doors and gates. Wireless connection with controllers, app and remote control integrated in 1 device.

-  Built-in function for tilting the slats
-  Blocking of current switching
-  Preset movements to the end positions

-  App control via HUB
-  Direct communication with wireless controllers



General

Model	SB-2
EAN Code	8595188193726
Order Code	9372
Power Supply	110-230V AC
Nominal switching capacity	2x switching 8A (250 V) AC1
Connection	screwless terminals
Working temperature	-15 to + 50 °C
Output contacts	2
HUB required	for app control MB-1
Protection Features	Anti-Sabotage
Repeater function	yes
Expected lifetime	15 years
Country of manufacture	Czech Republic

Radio

Radio Protocol	RFIO3
Radio Frequency	868-922 MHz
Signal Range (Open Filed)	200 m




Construction



Colour	black
Dimension - sensor (mm)	43 x 44 x 22 mm
Protection	IP30
Standards	EN 60730, EN 63044, EN 301489, EN 300 220



Key Fob **KF-4**

Key fob remote controller for universal use. control lights, blinds, garage doors independently, in groups, scenarios.

-  Slim and elegant
-  4 to 6 buttons
-  200 m Professional radio frequency

-  inputs to cloud logic
-  Direct communication with other devices



General

Model	KF-4
EAN Code	8595188193757
Order Code	9375
Power Supply	1× 3 V CR 2032 battery
Indication	Drained battery indicator
Working temperature	-10 to +50 °C
HUB required	MB-1
Battery life	around 5 years based on frequency of use
Type of signals	ON/OFF, dimming, time switching OFF/ON, blinds up/down
Warranty period	5 years
Expected lifetime	15 years
Country of manufacture	Czech Republic

Radio

Radio Protocol	RFIO3
Radio Frequency	868-922 MHz
Signal Range (Open Filed)	200 m





Construction



Colour	black / white
Dimension - sensor (mm)	64 × 25 × 10
Protection	IP20
Standards	EN 60730, EN 63044, EN 301489, EN 300 220



Input for 4 dry contacts **IN-4**

4-channel universal input convertor turns any ordinary switch or sensor into a smart one compatible with the iNELS Home ecosystem.

-  Compact helper in the assembly box
-  Screwless terminals - just plug and play
-  200 m Professional radio frequency
-  No need battery

-  App control via HUB
-  Direct communication with other devices



General

Model	IN-4
EAN Code	8595188193764
Order Code	9376
Power Supply	110-230V AC
Line resistance	Closed: < 300 Ω Open: < 10 Ω
Working temperature	-10 to +50 °C
HUB required	no
Types of commands	ON / OFF, dimming, time off / on, pull / pull
Length of cable to contact	100 m
Warranty period	5 years
Expected lifetime	15 years
Country of manufacture	Czech Republic

Radio

Radio Protocol	RFIO3
Radio Frequency	868-922 MHz
Signal Range (Open Filed)	200 m





Construction

Colour	black
Dimension (mm)	43 × 44 × 22
Protection	IP40
Standards	EN 60730, EN 63044, EN 301489, EN 300 220



PIR Detector **PD-1**

Wireless long distance PIR detector for security and home automations.

-  Minimalistic desing
-  Ready for occupancy automations
-  200 m Professional radio frequency
-  360° radius / up to 4m range

-  App via HUB
-  Direct communication with other devices



General

Model	PD-1
EAN Code	8595188193788
Order Code	9378
Power Supply	2× 1.5 V AA batteries
Indication	Drained battery indicator
Working temperature	-10 to +50 °C
HUB required	MB-1
Protection Features	Anti-Sabotage
LED indication	optional shutdown to extend battery life
Warranty period	5 years
Expected lifetime	15 years
Country of manufacture	Czech Republic

Radio

Radio Protocol	RFIO3
Radio Frequency	868-922 MHz
Signal Range (Open Filed)	200 m

Construction

Colour	black / white
Dimension (mm)	46 × 105 × 43
Protection	IP20
Standards	EN 60730, EN 63044, EN 301489, EN 300 220

Window/Door detector **WDC-1**

For universal installation on windows and doors. Provide detection and automations in iNELS Home ecosystem.



Minimalistic desing



Ready for occupancy automations



200 m Professional radio frequency



Long battery life time



App control



Direct communication with other devices

General

Model	WDC-1
EAN Code	8595188193795
Order Code	9379
Power Supply	1× 3 V CR 2032 battery
Indication	Drained battery indicator
Working temperature	-10 to +50 °C
HUB required	MB-1
Protection Features	Anti-Sabotage
LED indication	optional shutdown to extend battery life
Warranty period	5 years
Expected lifetime	15 years
Country of manufacture	Czech Republic

Radio

Radio Protocol	RFIO3
Radio Frequency	868-922 MHz
Signal Range (Open Filed)	200 m

Construction

Colour	black / white
Dimension - sensor (mm)	25 × 75 × 16
Dimension - magnet (mm)	15 × 75 × 14
Protection	IP20
Standards	EN 60730, EN 63044, EN 301489, EN 300 220

What can iNELS Home units do without connecting to the Mini Bridge?



NO NEED HUB

Direct communication of controllers and detectors with switching and dimming elements.



GROUP SCENARIOS

1 controller can control a group of elements of different types, and conversely, 1 element can be controlled from several different controllers.



COMBO UNITS

Switching and dimming units have inputs to direct connection with existing switches and buttons.



PRE-INSTALLED FUNCTIONS

Depending on the type of unit, each of them is already capable of a number of smart functions, such as the selection of a delayed timing command or popular lighting scenarios.

What the Mini Bridge brings to other units?



CONNECTION TO THE APP AND TO THE CLOUD

Via the Mini Bridge, it is possible to connect all units of the system to the application without the use of WiFi, thus maintaining the maximum connectivity of the home Smart Home network



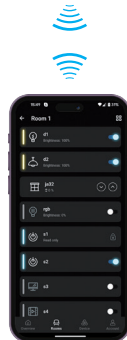
REMOTE CONTROL

The mini bridge has a powerful relay on it, which you can remotely control just like the other elements of the system. And you can choose whether to use a static IP address or our Cloud



ECOSYSTEMS COMPATIBILITY

Mini Bridge has open communication on it, which ensures connection with popular Smart Home applications, such as Apple Home, SmartThings or Home Assistant



iNELS Home App



TIMING

Through applications you can control units in time scenarios.



PUSH NOTIFICATIONS

Thanks to notifications, you will know exactly what is happening in your home and the state of the appliances. The wireless elements also report the battery status.



SORTING INTO GROUPS AND ROOMS

Arrange the elements exactly as you need, so that you have control and an overview that is tailored exactly to you.



Cloud functions



CLEAR DASHBOARD

Web application, suitable for control and overview on PC or large screen.



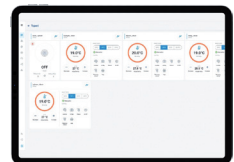
CONSUMPTION AND EVENTS GRAPHS

Simple graphs showing consumption, temperature or device behavior over time.



MULTI-LEVEL LOGIC

Additional logic with conditioning for all devices and combinations of controllers and detectors.





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