# UNIFORMLINEAR

# **PRODUCT OFFER**

MAGINATION OFF

made in europe

# UNIFORMLINEAR

UniformLinear US distributor of Blebox

# blebox



#### simplicity and scalability

**Smart homes** were from the beginning associated with expensive and complicated installations. Over the past five years, cheaper and less complicated solutions have appeared on the market. However, they have some disadvantages. To work they require a central unit, which is an intermediary device which makes possible the communication between the user (and more specifically the Smartphone or Tablet) and the controller. That device is far more expensive than the individual elements of the system and susceptible to failure. Such damage would cause the paralysis of the entire smart building.

**wBox** is **an unique global solution**. To operate, WBox devices **do not need additional equipment** such as Central Unit or hub. Just a simple WiFi network is enough. After connecting the device with your home network, it can be controlled from any place in the World. Without complicated configuration. You can start from one "cube" lamp or roller shutter controller and then extend **your own smart home** adding another one – according to your needs.

BleBox was created by a team of inventors and engineers, authors awarded with "The Polish Invention of the year 2014" award, the "Innovators 2016" award and the "Business Eagle 2016" award. They were also nominated to the "Top Innovators under 35 MIT" award, who up to the present have created over 30 innovative products and services.

Designed and produced entirely in Europe.





#### TAKE CARE ABOUT THE SAFETY AND COMFORT OF YOUR FAMILY CLOSE AND OPEN THE ROLLER SHUTTERS STRAIGHTAWAY FROM YOUR MOBILE PHONE





free application



It allows you to automate the work of hinged windows

the *integrated sensorial system* allows you to check whether the roller-blind is open or closed, as well as to set its position (e.g. to half -open)

it has the *advanced timer control feature* - roller shutter can open automatically at sunrise and close at sunset - as well as at any time

thanks to the  $\mu$ WiFi (microWiFi) communication technology, the control is possible both in the direct range and from any location in the world **shutterBox** is a device designed **to wireless control** of electric roller shutters, awnings, screens, etc. (by using smartphones and tablets), also from any place in the world

it allows you to control the roller shutter locally with a single button

the application to control the devices allows you to synchronize all of the roller shutters, giving the possibility to control them simultaneously, as well separately

if you lose your phone **you can** immediately block the access via  $\mu Portal$ 

full users control - management via  $\mu$ Portal from anywhere in the world







WIRELESS CONTROLLER FOR ROLLER SHUTTERS 230V

#### TECHNICAL SPECIFICATIONS (shutterBox)

electrical parameters	S				
supply voltage		230V AC	energy consumption		< 1W
control outputs			pushbutton inputs		
number of outputs		2	number of inputs	•	2
type of outputs		relay, push-pull, NO	inputs type		logical, pushbutton, short circuited to N, configurable
maximum load		5A	supported switches		double monostable (push- button), not-illuminated
maximum power		1250 VA			
physical characterist	ics of	f the device			
dimensions		1.53" x 1.65" x 0.94" (39mm) (42mm) (24mm)	protection level		IP20
housing	*	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	•	in the flush-mounted box (deepen or double) in the roller shutters case, etc.
characteristics of the	com	munication			
communication standard		$\mu WiFi,$ compatible with WiFi, 802.11g	radio frequency		2.4 GHz
transmission type		bi-directional, encrypted	API		open
mode	*	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	٨	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
encryption		WPA2-PSK and authenticated encrypt	ion with associated data (AE	AD)	
230V	WiFi	controller devices, powered by 230V devices that use microWiFi wireless communication	security	security	y and access control devices
windo and do		products for use in cooperation with windows and doors	smartphone		s controlled using smartpho- d tablets





#### INTERIOR ROLLER BLINDS, ELECTRIC BLINDS OR MOTORIZED CURTAINS AND WINDOWS - CONTROL FROM YOUR SMARTPHONE

**shutterBoxDC** allows you to control roller blinds, awnings, venetian or windows equipped with low voltage (12-24V) DC motor by using a smartphone or tablet, also from anywhere in the world







shutterBoxDC allows you to control low-voltage motors used for the automation of interior curtains, helping you to protect your family privacy even when you are not at home

**it has a time control function**, thanks to which the blinds / blinds / windows can e.g. open automatically at sunrise and close at sunset - and also at any other time (e.g. when you came back home after work)

*in a simple way, you can modernize your roof windows or awnings* of different manufacturers, to became your house into a smart home

the device can also be controlled by using a simple push-button: the opening or closing will be showed immediately in the application

shutterBoxDC is also ideal for nonstandard applications: TV elevator control, parking lock or any other device equipped with a compatible DC motor if you lose your phone **you can** *immediately block the access* via μPortal

full users control - management via  $\mu$ Portal from anywhere in the world





## PRODUCT OFFER





WIRELESS CONTROLLER FOR ROLLER SHUTTERS 12-24V DC

#### TECHNICAL SPECIFICATIONS (shutterBoxDC)

electrical parameters	;				
supply voltage		12-24V DC	energy consumption		< 1W
control outputs			pushbutton inputs		
number of outputs		2	number of inputs		2
type of outputs		H-bridge	inputs type		logical, pushbutton, short cir- cuited to GND, configurable
maximum load		2A	supported switches		double monostable (push- button), not-illuminated
physical characterist	ics o	f the device			
dimensions		1.49″ x 1.29″ x 0.78″ (38mm) (33mm) (20mm)	protection level		IP20
housing	*	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	•	in the flush-mounted box (deepen or double) in the roller shutters case, etc.
characteristics of the	com	nmunication			
communication standard	•	μWiFi, compatible with WiFi, 802.11g	radio frequency		2.4 GHz
transmission type		bi-directional, encrypted	ΑΡΙ		open
mode	4	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	٨	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
encryption		WPA2-PSK and authenticated encrypti	on with associated data (AEA	D)	



devices that use microWiFi wireless communication

products for use in cooperation with windows and doors



security

security and access control devices

devices controlled using smartphones and tablets





#### OPEN AND CLOSE THE GATE FROM ANY PLACE IN THE WORLD

**gateBox** *is the first device in the world* which allows you to open and close the gates, and what's more, to check their status by using a smartphone or tablet, without the need of purchasing an additional equipment or paying hidden fees



*it allows you to control virtually any gate* (both entry and garage gates), as well as doors equipped with an electric lock

it works with all door's engines which have a control input (to connect a button or intercom)

thanks to the  $\mu$ WiFi (microWiFi) communication technology, the control is possible both in the close range and from any location in the world

by using the **virtual keys** you can control the access to the device in a simple way, which ensures the highest safety level





if you lose your phone **you can** immediately block the access via  $\mu$ Portal

full users control - management via  $\mu$ Portal from anywhere in the world





#### GARAGE, SLIDING AND SWING GATES AND DOOR CONTROLLER

#### TECHNICAL SPECIFICATIONS (gateBox)

electrical parameters	;				
supply voltage		12 - 24V AC / DC	average current consumption		50mA
energy consumption		< 1W	maximum current consumption	►	250mA
control outputs			inputs signal		
number of outputs		2	number of inputs		2
type of outputs		open collector, pulse	inputs type		logical
maximum voltage		24V	voltage range		12 - 24V AC / DC
maximum load		20mA	polarization inputs	►	detected automatically
galvanic isolation		yes	galvanic isolation		yes
physical characteristi	ics o	f the device			
dimensions		1.96" x 1.41" x 0.7" (50mm) (36mm) (18mm)	protection level		IP20
housing	4	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	•	component adhesive (tape) or in housing
characteristics of the	com	munication			
antenna connector		lack, integrated antenna	radio frequency		2.4 GHz
communication standard		$\mu$ WiFi, compatible with WiFi, 802.11g	ΑΡΙ	►	open
transmission type		bi-directional, encrypted	compatible devices and systems		Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
mode	•	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	encryption	•	WPA2-PSK and authenticated en- cryption with associated data (AEAD)



devices that use microWiFi wireless communication

products for use in garages and par-

devices associated with the automotive industry



smartphone

security and access control devices

devices controlled using smartphones and tablets





#### OPEN AND CLOSE THE GATE FROM ANY PLACE IN THE WORLD - NOW EXTENDED RANGE AND WATERPROOF HOUSING

gateBoxPro is an upgraded version of the gateBox controller with an extended range and increased water resistance class; the controller allows you to open and close the gates from any place in the world, and what's more, to check their status by using a smartphone or tablet, without the need of purchasing an additional equipment or paying hidden fees

thanks to external antenna with high gain, the device perfectly can be used in gates that are far away from a residential building and in places where the WiFi network coverage is poor or unstable

> the external antenna connector allows you to replace the antenna (e.g. for one with a higher gain), and by using the additional RP-SMA extension cord\*, the antenna can be placed in a most convenient place

> > \*not included in the kit





the housing with increased water resistance class allows to install the device outside buildings, gate control panels or fence posts

*it allows you to control virtually any gate* (both entrance and garage doors), which have a control input (for connecting a button or intercom) as well as doors equipped with an electric lock

**thanks to the \muWiFi (microWiFi)** communication technology, is possible to control the devices wirelessly - by using  $\mu$ Remote and pushbuttons (with the inBox module), without using the WiFi network

*additional diode* allow for easy installation and configuration of the device

full users control - management via  $\mu$ Portal from anywhere in the world

if you lose your phone **you can immediately block the access** via µPortal



free application





#### CONTROLLER FOR DOORS AND GATES - GARAGE DOORS, SLIDING AND SWING GATES WITH EXTERNAL ANTENNA

#### TECHNICAL SPECIFICATIONS (gateBoxPro)

		TECHNICAE SFECHT		- ,	
electrical parameter	S				
supply voltage		12 - 24V AC / DC	average current consumption		50mA
energy consumption		< 1W	maximum current consumption	►	250mA
control outputs			inputs signal		
number of outputs		2	number of inputs	•	2
type of outputs		open collector, pulse	inputs type		logical
maximum voltage	►	24V	voltage range	►	12 - 24V AC / DC
maximum load	►	20mA	polarization inputs	►	detected automatically
galvanic isolation		yes	galvanic isolation		yes
physical characterist	ics c	of the device			
dimensions	•	1.96" x 3.62" x 1.1" (50 x 92 x 28mm) (without antenna), 3.34" x 9.05 x 1.1" (85 x 230 x 28mm) (with the antenna located vertically), antenna length 7.75" (197mm)	protection level	•	IP54
housing	•	plastic, covered with a polyure- thane composition not contai- ning halogens, self-extinguishing for thermal class B (130°C)	mounting method	►	two oval mounting holes with dimensions of 18 mm x 3,5 mm (width x height) or self-adhesive element (tape)
characteristics of the	e cor	nmunication			
antenna output		yes	antenna connector type		RP-SMA
antenna		omnidirectional, 5dB gain - included in the kit	radio frequency	►	2.4 GHz
communication standard		$\mu$ WiFi, compatible with WiFi, 802.11g	API		open
transmission type		bi-directional, encrypted	encryption	►	WPA2-PSK and authenticated en- cryption with associated data (AEAD)
mode	•	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	►	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
microl		devices that use microWiFi wireless communication products for use in garages and par-	security	security	y and access control devices
car		kings devices associated with the automo- tive industry	smartphone	nes and	s controlled using smartpho- d tablets





#### OPEN THE DOOR AND PEDESTRIAN DOORS WITH THE SMARTPHONE - FROM ANYPLACE IN THE WORLD



**doorBox** is an integrated, miniature controller: electric bolt lock, electric strikes and electromagnetic locks designed for access control

#### doorBox allows you to **open or close doors and pedestrian doors from anyplace in the world using a smartphone or tablet**

**the control can also be carried out wirelessly** using remotes control (μRemote) or wireless push-buttons (inBox)



the controller also has an input for an external push-button to open door from inside and for a outside door button that acts as a ringing bell with notifications to the phone\*

doorBox is equipped with a **relay output that can control actuators** with a current of 5A and a voltage of 12 - 24V AC/DC **without the use of additional external elements** 

the device also offers an *input for open / close sensor* (contact, reed switch or inductive sensor), *allowing to check at any time whether the door or pedestrian door is open or closed* 

for security reasons, doorBox in addition offers a optional access control by using a login with username and password



thanks to the open API, **you can** integrate the controller with other home automation systems

**possible additional uses:** lockers controlled electrically (e.g. in swimming pools, for workers) or drawers with electric locks

if you lose your phone **you can** *immediately block the access* via μPortal

full users control - management via  $\mu$ Portal from anywhere in the world

\* available soon







#### WIRELESS DOORS, PEDESTRIAN DOORS, LOCKERS, DRAWERS CONTROLLER

#### TECHNICAL SPECIFICATIONS (doorBox)

electrical parameter	S				
supply voltage		12 - 24V AC / DC	energy consumption		< 1W
control outputs			inputs signal		
number of outputs		1	number of inputs	•	3
output type		relay NC/NO	inputs type		logical, pushbutton, short circuited to COM
maximum load		6A 24V AC 6A 24V DC	voltage range		12 - 24V AC / DC
maximum power		144VA @ 24V AC 144W @ 24V DC	polarization inputs		detected automatically
			galvanic isolation		yes
physical characterist	ics o	of the device			
dimensions		1.53″ 1.53″ 0.86″ (39mm) <sup>x</sup> (39mm) (22mm)	protection level		IP20
housing	4	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	4	in the flush-mounted box, inside the wall, inside non-metallic hou- sing of the controlled device
characteristics of the	con	nmunication			
communication standard		μWiFi, compatible with WiFi, 802.11g	radio frequency		2.4 GHz
transmission type		bi-directional, encrypted	API		open
mode	٨	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	•	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
encryption		WPA2-PSK and authenticated encrypti	on with associated data (AE	AD)	

) microWiFi

devices that use microWiFi wireless communication

security

security and access control devices



devices controlled using smartphones and tablets





#### OPEN AND CLOSE A ROLLER GATE FROM ANYPLACE IN THE WORLD

rollerGate allows you to open and close roller gates from anywhere in the world by using: a smartphone and a tablet; it is also possible to control using its backlit integrated touch front panel, the µRemote remote control and the push-buttons with the inBox wireless module

rollerGate *is the world's first roller gate controller, which can be completely configured with a smartphone*; all the options are easily configured using the *free wBox application* (no more configurations with complicated procedures on a small screen inside the controller housing)

the external antenna connector allows you to replace the antenna and by using the additional RP-SMA extension cord\*, the antenna can be placed in a most convenient place

**the tactile touch panel** (without mechanical buttons) significantly increases device reliability and keeps your surface clean

the controller offers the possibility of connecting advanced security systems (the sensing edge prevents the crushing of objects during the closing process of the gate, while the infrared sensor detects intrusion or left objects

thanks to the smart rollerGate controller, **you can set and verify the position of the gate from anyplace in the world**: it gives you comfort and confidence that the gate has been

\*not included in the kit



been closed, for example, when you are on vacation

**built-in lighting signaling,** the color indicates the current status of the device

the controller also allows the connection of an external warning lamp





if you lose your phone **you can** *immediately block the access* via μPortal

full users control - management via  $\mu$ Portal from anywhere in the world





#### INTEGRATED ROLLER GATE CONTROLLER

#### TECHNICAL SPECIFICATIONS (rollerGate)

electrical parameters				
supply voltage	► 230V AC	energy consumption		< 1W
control outputs		signaling outputs		
number of outputs / output type	<ul> <li>2 / relay, push-pull, NO; 5A/1250 VA</li> </ul>	number of outputs / output type	•	1 / relay, NO; 5A/1250 VA
		supply voltage		230V AC
control inputs		safety peripherals		
number of inputs	▶ 4	number of inputs		2
inputs type	logical, pushbutton, short circuited to COM	inputs type	sen:	cal input of the NPN-NC infrared sor, PWM signal input of the ical sensing edge with frequen- kHz ± 50% and 50% duty
voltage range	► 12 - 24V DC	input voltage range	►	12 - 24V DC
galvanic isolation	► yes	galvanic isolation	►	yes
supported switches	monostable (push- button), not-illuminated	power supply output	•	15V DC
		maximum load of the power output	►	1,2 W
control keyboard		basic features		
number of buttons/ buttons type	<ul> <li>3 / capacitive (touch sensor), illuminated, integrated</li> </ul>	signaling on the housing	for	orful, backlit front panel in- ming about the device ope- ing status or emergency situ- on
mounting method	integrated in the front panel	controller signaling	🕨 (op	nking blue diagnostic diode otion to switch off in the con- Iler settings)
physical characteristi	cs of the device			
dimensions	► 5.07" x 3.5" x 2.24" (129mm) (89mm) (57mm)	protection level		IP44
housing	<ul> <li>surface junction box, controller covered with a polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)</li> </ul>	mounting method		ounting perforations, installa- n in a place protected from rain
		controller operating temperature		from -20°C to 50°C
characteristics of the	communication			
communication standard	▶ µWiFi, compatible with WiFi, 802.11g	radio frequency		2.4 GHz
transmission type	<ul> <li>bi-directional, encrypted</li> </ul>	API		open
mode	<ul> <li>direct connection (as Access Point),</li> <li>Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)</li> </ul>	compatible devices and systems	Min Min	ple iPhone, Apple iPad, iPad ni, Android, computers and mo- e devices supporting HTML5
encryption	► WPA2-PSK and authenticated encryptic	on with associated data (AEAE	))	
microWil	communication products for use in garages and par-	security se	curity and acce	ss control devices
Ganage car	kings devices associated with the automo-		evices controlle es and tablets	d using smartpho-

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9

UNIFORMLINEAR

tive industry





#### TURN ON / OFF AND DIMM 230V LIGHTING FROM ANY PLACE IN THE WORLD

dimmerBox is the world's first controller which allows you to turn on, off and control the brightness of traditional 230V lighting - both incandescent and LED, directly with smartphones and tablets - also from any place in the world

It allows you to control all kind of light sources suitable for dimming (leading edge and trailing edge) – using the application just choose the type of light you want to control and dimmerBox will set its parameters to ensure an optimal and safe operation

the integrated soft-start function has positive impact on the user comfort, when we turn on the light, it illuminates gradually; *thereby, it increases life span of a bulb* 

dimmerBox allows you to adjust the brightness of the lighting depending on your needs, it also has a *timer function* (e.g. the light can slowly fade down when we are falling asleep or fade up in the dark, wake up in winter mornings)

*it has a smart fuse* - when it detects a dangerous event immediately disconnect the damaged device and after solving the problem (e.g. bulb replacement) simply touch the button on the screen of your smartphone to "replace the fuse"





connect the damaged device and after solving the problem (e.g. bulb replacement) simply touch the button on the screen of your smartphone to "replace the fuse"

you just need one device to control the lighting in the room, and adding more devices allows you to control the lighting of the entire house

It does not require additional modules, hubs, or central units

reducing the brightness, we not only protect the environment but also we save money - using 4 popular 50W halogen spotlights, a power reduction by half when used for two and a half hours a day brings more than 10 Euro savings per year, and more than 60 Euro energy saved for the entire house per year

using dimmerBox you can easily simulate your presence in the house or apartment (a longer trip/holiday) to help protect it from burglars



if you lose your phone **you can** immediately block the access via  $\mu Portal$ 

 $\ensuremath{\textit{full users control}}$  - management via  $\ensuremath{\mu \text{Portal from anywhere in the world}}$ 

#### www.uniformlinear.com | info@uniformlinear.com

### PRODUCT OFFER

#### 1 (865) 339 4956 | 6855 Barger Pond Way, Knoxville, TN 37912







C

on/off

WIRELESS DIMMER 230V

#### TECHNICAL SPECIFICATIONS (dimmerBox)

electrical parameters	5			
supply voltage	► 230V AC	control modes		leading edge, trailing edge
energy consumption	► <1W			
control outputs		pushbutton inpu	ts	
type of outputs	output phase	number of inputs		2
maximum voltage	► 230 V AC	type of inputs	►	logical, active when con- nected to N, configurable
maximum load	► 200 W	supported switches		monostable single/double (push-button), not-illuminated
physical characteristi	ics of the device			
dimensions	1.53" x 1.65" x 0.94" (39mm) (42mm) (24mm	protection level	►	IP20
housing	made of polyurethane comp tion not containing halogens -extinguishing for thermal cla (130 °C)	, self mounting mothod	4	in the flush-mounted box, inside the wall, inside the housing of the dimming device
characteristics of the	communication			
communication standard	► µWiFi, compatible with WiFi, 80	02.11g radio frequency	•	2.4 GHz
transmission type	► bi-directional, encrypted	API	►	open
mode	direct connection (as Access Po Wi-Fi connection via a stanc router, connection with ac from any location in the world quires only access to the Intern	dard ccess compatible devices (re- and systems	4	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
encryption	▶ WPA2-PSK and authenticated	encryption with associated data (/	AEAD)	



products associated with lightning

controller devices, powered by 230V

device which allows to turn on/off receivers/ equipment

microWiFi

devices that use microWiFi wireless communication

devices controlled using smartphones and tablets







wLightBox is *the smallest wireless light controller in the world* which allows you to control mono-color *LED lighting*, colourful (*RGB/RGBW*), white shades *CT (CCT, CW/WW*) or *low voltage halogen bulbs*; it is supported not only by smartphones and tablets, but also laptops, personal computers and other modern devices



free application

the controller is made of a special, non-flammable resins which protects it from environmental influences and factors which threaten the users safety

designed in particular for residential and commercial lighting and Architectural Accented Lighting

it is based on the *µWiFi (microWiFi)* communication technology, which combines the advantages of low energy Bluetooth 4.1 and WiFi; thanks to this, the control is possible both in the direct range and from any place in the world

it has an *advanced lighting effects editor* along with a schedule and a fa- vorite colors palette it does not require additional modules, hubs, or central units

nicroWiF

the **free wBox application** is enough to control the device

*it is possible to control several devices at the same time* as well as to use several phones and even on external integrations (e.g. Google Home, Alexa)

it has the *ability to control not only by using the wBox application but also using the wall push-button* (monostable)

if you lose your phone **you can** *immediately block the access* via μPortal

full users control - management via µPortal from anywhere in the world



PRODUCT OFFER





#### WIRELESS CONTROLLER FOR LED AND LED RGB / RGBW / CT

#### TECHNICAL SPECIFICATIONS (wLightBox v2)

electrical parameters	5				
supply voltage		12 - 24V	energy consumption		< 1W
maximum current		12A (3A /channel)	maximum voltage	►	24V
number of outputs		4	maximum load		288W
type of outputs		open-drain, PWM, low side control	color mode		RGB / RGBW / RGB or W / 4x MONO / CT / 2xCT
number of inputs		1	supported switches		monostable (push-button), not-illuminated
inputs type		low voltage, logical, push- -button, short circuited to GND			
physical characterist	ics o	f the device			
dimensions		1.53″ x 1.37″ x 0.78″ (39mm) (35mm) (20mm)	protection level	•	IP20
housing	*	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	•	in the flush-mounted box, on the lamp housing, directly connected to the LED strip, e.g. furniture
protection		inverted polarization, ESD			
characteristics of the	con	nmunication			
communication standard		$\mu$ WiFi, compatible with WiFi, 802.11g	radio frequency		2.4 GHz
transmission type		bidirectional, encrypted	API	►	open
mode	•	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems		Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
encryption		WPA2-PSK and authenticated encrypt	on with associated data (AE	AD)	
			I		

products associated with lightning

) microWiFi

devices that use microWiFi wireless communication

smartphone

devices controlled using smartphones and tablets



#### COLOR THE SPACE AROUND YOU

#### CONTROL ENERGY-EFFICIENT RGBW LED LIGHTING FROM YOUR SMARTPHONE OR TABLET - WHERE AND HOW YOU WANT



can be controlled both from the app and from the wall button \*. The controller can also be paired with the remote control uRemote and the inBox wall control remote.

thanks to the housing used, it is possible to install the controller anywhere faraway, exposed to weather conditions

available is the controller integration with Google Home, Amazon Alexa and Home Assistant smart home systems

it is possible to control the temperature of the white color

the range of the device has been extended thanks to its external antenna. It is also possible to change the antenna to another, which adapts to the to individual needs

dit has an advanced lighting effects editor along with a schedule and a favorite colors palette

\* Requires a monostable wall switch without backlight





PRODUCT OFFER





#### WIRELESS CONTROLLER FOR LED AND LED RGB / RGBW / CT WITH EXTERNAL ANTENNA

#### TECHNICAL SPECIFICATIONS (wLightBox Pro)

electrical paramete	ers				
supply voltage		12 - 24V	energy consumption		< 1W
maximum current		12A (3A / channel)	maximum voltage		24V
number of outputs		4	maximum load		288W
type of outputs		open-drain, PWM, low side control	color mode		RGB / RGBW / RGB or W / 4x MONO / CT / 2xCT
physical characteri	stics o	of the device			
dimensions	•	1.96" x 3.62" x 1.1" (50 x 92 x 28mm) (without antenna), 3.34" x 9.05 x 1.1" (85 x 230 x 28mm) (with the antenna located vertically), antenna length 7.75" (197mm)	protection level		IP54
housing	•	plastic, covered with a polyurethane composition not containing halogens, self-extinguishing for thermal class B (130°C)	mounting method	•	two oval mounting holes with dimensions of 18 mm x 3,5 mm (width x height) or self-adhesive element (tape)
protection		inverted polarization, ESD			
characteristics of t	he cor	nmunication			
antenna output		yes	antenna connector type		RP-SMA
antenna	►	omnidirectional, 5dB gain - included in the kit	communication standard		$\mu WiFi,$ compatible with WiFi, 802.11g
mode	*	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	*	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
radio frequency	►	2.4 GHz	transmission type	►	bidirectional, encrypted
API	•	open	encryption		WPA2-PSK and authenticated en- cryption with associated data (AEAD)





pixelBox is a controller dedicated to the most moderns professional 5V and 12V digital LED\* strip

the controller allows to create different effects never previously achieved, giving the possibility to show them at the same time in the same LED strip, which means that is possible to decide the quantities of colors which will appear and its speed when pass through the LED strip

a simple way to **obtain unconven**tional lighting effects for business, for public uses or urban landscape *elements*; the most original solution to highlight the best qualities or hide imperfections of each building, so revitalized space effectively will differ from the rest - it is impossible to walk next to the building indifferently, and when etched in the visual memory of customers, surely will be recognisable and unique; pixelBox helps to create an original image for every business





pixelBox has stand-by mode. when the connected LED strip is not being used, does not consume electricity (saving 12 euros per year\*\* in 15 meters of LED strip)

it allows to control LED strip with 360 diodes or groups on it

available many effects ready to be used or is also possible to create own effects, depending on the needs and individual preferences

.45" (37mm)

microWiFi

- \* in the controller settings is possible to change the order of the channels in the communication protocol, for this reason it works with most of the digital LED strip 5V and 12V (without clock line), among others the popular WS2812B, WS2811, etc
- \*\* the average current consumption for digital LED strip is 0,3W/m in stand-by, average strip length is 5m, most of the competitive controllers in the market do not have the possibility of switching off the power supply



**PRODUCT OFFER** 





WIRELESS CONTROLLER FOR RGB DIGITAL LED 5-12V DC

#### TECHNICAL SPECIFICATIONS (pixelBox)

electrical parameters	5				
supply voltage		5 - 12V	energy consumption		< 1W
control outputs					
number of outputs		2	output type		open-drain, turn off LED power supply
output type		digital, control signal	maximum current	►	5A
maximum load		20mA	maximum voltage		12 DC
color mode		RGB	maximum load		60 W
LED strip type		digital RGB, 5V or 12V (WS2812 / WS2811 - without clock signal)			
pushbutton inputs					
number of inputs		1	supported switches		monostable (push-button), not-illuminated
inputs type		low voltage, logical, push-button, short circuited to GND			
physical characterist	ics of	f the device			
dimensions		1.06″ 1.45″ 0.9″ (27mm) <sup>x</sup> (37mm) <sup>x</sup> (23mm)	protection level		IP20
housing		made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	•	in the flush-mounted box, on the lamp housing, directly connected to the LED strip, e.g. in furniture
protection		inverted polarization, ESD			
characteristics of the	com	munication			
communication standard	►	$\mu WiFi,$ compatible with WiFi, 802.11g	radio frequency	►	2.4 GHz
transmission type		bi-directional, encrypted	ΑΡΙ		open
mode	٨	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	•	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
encryption		WPA2-PSK and authenticated encrypti	on with associated data (AE	AD)	



products associated with lightning

microWiFi

devices that use microWiFi wireless communication



devices controlled using smartphones and tablets



#### CONTROL LED LIGHTING FROM EVERY PLACE

wlightBoxS is a miniature device that allows you to control the brightness of single color LED lighting by using smartphones and tablets; thanks to its unique technology µWiFi allows you to control lighting wirelessly



wlightBoxS *allows you to adjust the brightness of the lights depending on your needs, it also has a timer control function* (e.g. the light can slowly fade down when we are falling asleep or fade up in the dark, wake up during winter mornings)

it does not require additional control modules, hubs or central units

you just need one device to fully control the single light source, and

adding more - allows you to control the lighting of the entire house

using wlightBoxS you can easily simulate your presence in the house or apartment (a longer trip/holiday) to help protect it from burglars

wlightBoxS *is the smallest in the world LED dimmer* (dimensions:  $35 \times 24 \times 15$  mm) designed to work with smartphones - fits easily in the housing of the light source this is the simplified version of one of the most popular devices for remote control of multicolor lighting wLightBox (LED RGBW), dedicated to all installations of single-color lighting



if you lose your phone **you can** *immediately block the access* via μPortal

full users control - management via  $\mu$ Portal from anywhere in the world



### PRODUCT OFFER







WIRELESS LED DIMMER 12-24V DC

#### TECHNICAL SPECIFICATIONS (wLightBoxS)

electrical parameters	;				
supply voltage		12 - 24V	energy consumption	•	< 1W
maximum current		5A	maximum voltage		12 - 24V DC
number of outputs		1	maximum load		120 W
type of outputs		open-drain, PWM, low side control	color mode		MONO
physical characteristi	cs o	f the device			
dimensions		1.37" x 0.94" x 0.59" (35mm) <sup>x</sup> (24mm) <sup>x</sup> (15mm)	protection level	4	IP20
housing	4	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	•	in the flush-mounted box, on the lamp housing, directly connected to the LED strip, e.g. furniture
protection		inverted polarization, ESD			
characteristics of the	com	nmunication			
communication standard		$\mu WiFi,$ compatible with WiFi, 802.11g	radio frequency		2.4 GHz
transmission type		bi-directional, encrypted	API		open
mode	4	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	•	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
encryption		WPA2-PSK and authenticated encrypti	on with associated data (AE	AD)	



products associated with lightning

microWiFi

devices that use microWiFi wireless communication



devices controlled using smartphones and tablets



wlightboxe pro

#### BRIGHTEN AND DIM THE LED LIGHTING WHEN YOU WANT AND WHERE YOU WANT



Possibility of adjusting the intensity of the mono-color LED lighting to individual needs, e.g. to the set weekly plan (day and time)

Using the time control function allows the light to slowly dim and turn on at the time set by the user

It is possible to install the controller in places exposed to weather conditions, e.g. on garden lighting posts, fencing of a house or company or on other types of buildings

WLightBoxS Pro can be integrated with Google Home, Amazon Alexa and Home Assistant.

The device can be controlled by using the application on the phone and tablet, using the remote control uRemote or the inBox wall remote control. A new option is connecting a wall push-button directly to the controller. In this way, it will be possible to control in 4 different ways

The implementation of an external antenna allows to install the controller away from the router. It is also possible to replace the antenna with another that suits the individual needs of the user.









#### WIRELESS LED DIMMER 12-24V DC WITH EXTERNAL ANTENNA

#### TECHNICAL SPECIFICATIONS (wLightBoxS Pro)

electrical paramete	ers				
supply voltage		12 - 24V	energy consumption		< 1W
maximum current		5A	maximum voltage		12 - 24V DC
number of outputs		1	maximum load		120W
type of outputs		oopen-drain, PWM, low side control	color mode		MONO
supported switches		double monostable (push-but- ton), not-illuminated			
physical characteri	stics	of the device			
dimensions		1.96" x 3.62" x 1.1" (50 x 92 x 28mm) (without antenna), 3.34" x 9.05 x 1.1" (85 x 230 x 28mm) (with the antenna located vertically), antenna length 7.75" (197mm)	protection level		IP54
housing	•	plastic, covered with a polyurethane composition not containing halogens, self-extinguishing for thermal class B (130°C)	mounting method		two oval mounting holes with dimensions of 18 mm x 3,5 mm (width x height) or self-adhesive element (tape)
protection	►	inverted polarization, ESD			
characteristics of t	he coi	nmunication			
antenna output		yes	antenna connector type		RP-SMA
antenna		omnidirectional, 5dB gain - included in the kit	communication standard		$\mu WiFi,$ compatible with WiFi, 802.11g
mode	4	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	*	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mobile devices supporting HTML5
radio frequency	►	2.4 GHz	transmission type		bidirectional, encrypted
API		open	encryption		WPA2-PSK and authenticated en- cryption with associated data (AEAD)
ر اighti اighti	ing oWiFi	products associated with lightning devices that use microWiFi wireless communication	smart (	phone	devices controlled using smartpho- nes and tablets devices with extended range





#### CONTROL DEVICES AND THEIR MEASUREMENT OF POWER FROM ANY PLACE IN THE WORLD

switchBox allows you to wirelessly turn on/off and control the measurement of power of electric devices powered by network voltage of 230V and up to 3kW of power

using the switchBox module **you can** control, among other the inte-rior and exterior lighting, ventilation, heating, air conditioning or any other household appliance

*it has the function switch on for a time*, which can be activated by connecting through the application from anywhere in the world

the free wBox application is enough to control every device





thanks to the µWiFi (microWiFi) communication technology, the control is possible both in the direct range and from any location in the world

the history of the measurement of **power** is available in the application via Internet

possibility to calculate the cost of electricity consumption (for one tariff)

full users control - management via  $\mu$ Portal from anywhere in the world

if you lose your phone **you can** *immediately block the access* via μPortal









#### WIRELESS HIGH-POWER SWITCH 230V WITH POWER MEASUREMENT

#### TECHNICAL SPECIFICATIONS (switchBox v3)

electrical parameter	'S				
supply voltage	•	230V AC	energy consumption	►	< 1W
control outputs			pushbutton inputs		
number of outputs	►	1	number of inputs		1
type of outputs	►	relay	type of inputs		logical, pushbutton, short circui- ted to N, configurable
maximum load	►	16A	supported switches		monostable (push-button), bista- ble (traditional, cross switch) not- illuminated
maximum power	►	3680 VA (3680 W for re- sistive load e.g. heater)			
active power measu	rement				
measurement range	►	03680W	measurement mode	►	current reading, total for the period, automatically calcutating the cost of energy cunsumed
resolution	►	1W	measurement history		available online
physical characteristics of the device					
dimensions		1.41" x 1.49" x 0.9" (36mm) x (38mm) x (23mm)	protection level		IP20
housing	►	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	►	in the flush-mounted box (deepen or double), on the receiver - eg. lamps, radiator, etc.
characteristics of the communication					
communication standard	l ► μ'	WiFi, compatible with WiFi, 802.11g	radio frequency		2.4 GHz
transmission type	►	bi-directional, encrypted	ΑΡΙ		open
mode	v ► r f	lirect connection (as Access Point), Vi-Fi connection via a standard outer, connection with access rom any location in the world (re- juires only access to the Internet)	compatible devices and systems	•	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
encryption	► V	VPA2-PSK and authenticated encrypti	on with associated data (AEA	D)	
Q lightin	ng	products associated with lightning	microWiFi		es that use microWiFi wireless nunication
230V		controller devices, powered by 230V	security	securi	ty and access control devices
(U) on/of	f	device which allows to turn on/off receivers/ equipment	smartphone		es controlled using smartpho- nd tablets





#### CONTROL DEVICES FROM ANY PLACE IN THE WORLD



**switchBoxD** - "double" SwitchBox - *can wirelessly turn on or off main voltage electric devices* it can control two 5A loads (in total 2 kW); suitable for smaller devices, wherever you want to control two independent electric circuits with a single controller

you can control your device with smartphones and tablets, and personal computers from any location in the world

thanks to the  $\mu$ WiFi (microWiFi) communication technology, the control is



possible both in the direct range and from any location in the world

the free wBox application is enough to operate the device

using the module switchBoxD can be controlled, among others, lighting inside and outside the buildings, ventilation, heating, air conditioning or any other home electronics/ household appliances

if you lose your phone **you can** *immediately block the access* via μPortal



full users control - management via  $\mu$ Portal from anywhere in the world

PRODUCT OFFER











WIRELESS DOUBLE SWITCH 230V

security

#### TECHNICAL SPECIFICATIONS (switchBoxD)

electrical parameters					
supply voltage	► 230V AC	energy consumption		< 1W	
controlled devices	lighting, single-phase motor, cylinders, transformers, etc.				
control outputs		pushbutton inputs			
number of outputs	► 2	number of inputs		2	
type of outputs	output phase	type of inputs	►	logical, pushbutton, short circui- ted to N, configurable	
maximum load	► 2 x 5A	supported switches	►	monostable (push-button), bista- ble (traditional, cross switch), not- illuminated	
voltage outputs	► 230V AC	voltage inputs	►	230V AC	
maximum power	<ul> <li>2 x 1150VA (1150W for re- sistive load e.g. heater)</li> </ul>				
physical characteristics of the device					
dimensions	► 1.53" × 1.65" × 0.94" (39mm) × (42mm) × (24mm)	protection level		IP20	
housing	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	•	in the flush-mounted box (deepen or double), inside the wall, inside the controlled device housing	
characteristics of the communication					
communication standard	$\blacktriangleright$ µWiFi, compatible with WiFi, 802.11g	radio frequency	•	2.4 GHz	
transmission type	► bi-directional, encrypted	ΑΡΙ	►	open	
mode	<ul> <li>direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)</li> </ul>	compatible devices and systems	•	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5	
encryption	encryption				







#### LOW VOLTAGE, INTELLIGENT SWITCH WITH POTENTIAL-FREE OUTPUT



**switchBoxDC** is a *smart switch powered by low voltage* (12-24V DC) which allows you to control virtually any electric device from anyplace in the world





the potential-free relay allows you to switch electric loads on any voltage between 0 - 230V AC and 0 - 30V DC

the low voltage power allows **the safe use** also in exposed places near to the shower, pool or garden

**lower price and smaller size** (compared with switchBox module), make it an excellent alternative for professional applications which require independent control of several devices

with SwitchBoxDC *it is possible to easily control other systems*, both smart homes as well as alarm or irrigation

the additional possibility of connecting a push-button allows you to control it also locally; to not lay electric wires to the push-button you can do it wirelesly by using inBox



if you lose your phone **you can** immediately block the access via  $\mu Portal$ 

*full users control* - management via µPortal from anywhere in the world



PRODUCT OFFER









WIRELESS SWITCH 12-24V DC

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security

#### TECHNICAL SPECIFICATIONS (switchBoxDC)

electrical parameters						
supply voltage		12/24V DC	energy consumption	►	< 1W	
control outputs			pushbutton inputs			
number of outputs		1	number of inputs		1	
type of outputs		relay, isolated	type of inputs	►	low voltage, logical, push-button, short circuited to GND	
maximum load		5A 230V AC 5A 30V DC	supported switches		monostable (push-button), bista- ble (traditional, cross switch), not- illuminated	
maximum power		1150 VA @ 230V AC (1150 W for resistive load e.g. heater) 150W @ 30V DC				
physical characteristi	physical characteristics of the device					
dimensions		1.06" 1.45" 0.9" (27mm) <sup>x</sup> (37mm) (23mm)	protection level	►	IP20	
housing	•	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	•	in the flush-mounted box (deepen or double) in the receiver case - e.g. lamp, etc.	
characteristics of the communication						
communication standard		$\mu WiFi,$ compatible with WiFi, 802.11g	radio frequency		2.4 GHz	
transmission type		bi-directional, encrypted	API		open	
mode	*	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	•	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5	
encryption		WPA2-PSK and authenticated encrypti	on with associated data (AEA	D)		



products associated with lightning

device which allows to turn on/off receivers/ equipment

devices that use microWiFi wireless communication

Ô security

security and access control devices

smartphone

devices controlled using smartphones and tablets





#### SUBTLE TOUCH CONTROL OF OTHER DEVICES



proxiBox is a proximity sensor, it can be hidden anywhere, powered by 12V DC, allowing the wireless control of other wBox devices

30 different actions triggered by the touch, programma-

possibility of controlling both in direct mode and in

completely remote mode, of one and also several wBox

ble on the device

devices simultaneously

The low-voltage power supply allows the sensor to be used in locations exposed to contact with water.

devices can be placed under different types of surfaces

possibility to adjust the touch sensitivity of the sensor and distinguish between them in long and short signals





# PRODUCT OFFER





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"INVISIBLE" µWIFI ACTION TRIGGER

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sensors

#### TECHNICAL SPECIFICATIONS (proxiBox)

lighting

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on/off

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electrical parameters							
supply voltage		12 - 24V	energy consumption	4	< 1W		
protection		inverted polarization, ESD					
physical characteris	physical characteristics of the device						
sensor		proximity, capacitive sensor	protection level	►	IP20		
calibration		automatic	mounting method	►	nder a non-conductive surface, mounting tape		
dimensions	•	1.57″ x 2.08″ x 0.70″ (40mm) (53mm) (18mm)	controller operating temperature	•	from -10 do + 40°C		
housing	housing made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)						
characteristics of the communication							
communication standard	4 ►	µWiFi, kompatybilny z WiFi, 802.11g	radio frequency		2.4 GHz		
transmission type		bidirectional, encrypted	ΑΡΙ	►	open		
mode	4	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	▶	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5		
encryption	► WPA2-PSK and authenticated encryption with associated data (AEAD)						





#### MINIATURE THERMOMETER WITH MWIFI - TEMPERATURE IN YOUR SMARTPHONE

**tempSensor** is a miniature sensor that allows the monitoring of the temperature through the smartphone from anywhere in the world

tempsensor



thanks to tempSensor, **you can read the temperature** from your smartphone / tablet, from anywhere in the world - **by using the free application wBox** (possible control of many places from one application)

thanks to the power supply via the microUSB connector, the device does not require the battery to be replaced or recharged; it can work continuously; all is needed is a phone charger





**the temperature record** allows to observe temperature changes over time

**possible uses:** temperature measurement in rooms, monitoring of heating and central heating, conditions in a greenhouse or aquarium

the device has a **waterproof probe** with a wide temperature range (-55°C to 125°C), the probe has a 1 m cable that allows the easy installation

tempSensor can send to other controllers commands to perform a task after temperature changes (eg. in case of exceed temperature, send a command to the switchBox to turn off heater or eg. a command to the shutterBox to close a shutter)

thanks to **the open API**, you can also use the thermometer in your own applications and smart home systems

*a lower price* (compared to the µSensor module) is a good alternative if you only need to control the temperature



if you lose your phone **you can** *immediately block the access* via μPortal

full users control - management via  $\mu$ Portal from anywhere in the world





MINIATURE TEMPERATURE SENSOR

#### TECHNICAL SPECIFICATIONS (tempSensor)

electrical parameters						
power supply		5V by microUSB connector	energy consumption		< 1W	
basic features						
measurement range		from -55°C to 125°C	measurement accuracy	►	$\pm$ 0,5°C (from version $\geq$ 1.1) in the range of -10°C to 85°C	
controller operating temperature		from -20°C to 50°C				
physical characterist	ics	of the device				
dimensions		1.22" x 1.77" x 0.59" (31mm) (45mm) (15mm)	type of probe	►	wired, waterproof, cable length 1m	
housing	•	high quality ABS plastic	mounting method		double-sided mounting tape, installation in a place protected from rain	
dimension of the probe		diameter 0.23" (6mm), length 2" (51mm)	protection level		IP32	
characteristics of the communication						
communication standard		$\mu WiFi,$ compatible with WiFi, 802.11g	radio frequency		2.4 GHz	
transmission type		bi-directional, encrypted	ΑΡΙ	►	open	
mode	▲	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	▶	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mobile de- vices supporting HTML5	
encryption	encryption WPA2-PSK and authenticated encryption with associated data (AEAD)					



sensing elements

microWiFi

devices that use microWiFi wireless communication



security and access control devices

devices controlled using smartphones and tablets




## CONTROL DEVICES BY USING A REMOTE CONTROL



the remote control **can be updated** (within the updates, appears new features and are introduced improvements - which are always available for free)

**available in two versions:** Basic and Pro (the Pro version has an elegant, metal finish, the Basic version with a plastic finish, works successfully as a backup pilot - also due to the lower price)

*if the remote control is lost, it is possible* (being in the local network) *to eliminate the connection with the controllers via the wBox application*; it will then be unpaired from the previously assigned controllers



PRODUCT OFFER





MINIATURE  $\mu WiFi$  REMOTE CONTROL

# TECHNICAL SPECIFICATIONS (µRemote)

basic features							
number of buttons		4	signaling		LED RGB diode		
number of connected devices / channel	►	3	working time on a single charge		2 years		
haptic Feedback Display		yes, for PRO version	charging	•	standard microUSB charger 5V (not included)		
physical characteristics of the device							
dimensions		2.83″ x 1.53″ x 0.51″ (72mm) (39mm) (13mm)	power supply	•	lithium-polymer battery		
housing	►	high quality ABS plastic, PRO version have metal elements	controller operating temperature	►	from 0 to + 40°C		
characteristics of the communication							
radio frequency		2.4 GHz	transmission protocol	•	μWiFi		
transmission type	►	with confirmation, encrypted	range	•	up to 100 m in open spaces, up to 40 m in buildings (depending on the construction and terrain)		
encryption	set of 512-bit keys, with use of elliptic curves and key negotiation for each transmission						

available options:	basic white	basic black	pro white	pro black
finish:	plastic	plastic	metalic	metalic
color:	white	black	white	black



products associated with lightning

device which allows to turn on/off receivers/ equipment

device which work with a battery

devices that use microWiFi wireless communication

windows and doors



products for use in garages and parkings

products for use in cooperation with

windows and doors

security

security and access control devices





# A NORMAL BUTTON CAN ALSO BE SMART, WITHOUT ANY CABLE



**inBox** is a *miniature module which allows you to control devices using a push-button*, without the need to connect them with wires, without restrictions

by using inBox **you can control all devices using the**  $\mu$ **WiFi technology**: gates, roller shutters, lighting or other electric devices



installing a newpush-button in the house has never been so easy - without forging walls, without renovation, you can mount an additional light switch, a button that opens the blind or gate - not only on the wall but also on the table or even in the shower \*

inBox *works with each monostable push-button* - it allows full freedom for interior design

the same push-button can be used to control multiple devices - a short pressing will turn on the light in front of the house and a longpressing will open the gate - without the need to looking for the remote control

\* due to the fact that the device needs only a small 3V battery, it is completely safe also in places where the use of tradition al switches at 230V can be a threat to life or health

PRODUCT OFFER





 $\mu WiFi$  TRANSCEIVER FOR USE WITH PUSH-BUTTONS

# **TECHNICAL SPECIFICATIONS** (inBox)

basic features								
number of inputs		4	battery life		up to 5 years			
type of inputs		logic, impulse	number of connected devices / channel	►	3			
type of button		monostable (push-button)						
physical characteristics of the device								
dimensions		1.77″ x 1.37″ x 0.74″ (45mm) <sup>x</sup> (35mm) <sup>x</sup> (19mm)	power supply		CR123 battery			
housing	►	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method		in the flush-mounted box under the pushbutton			
controller operating temperature		from 0 to + 40°C						
characteristics of t	he com	nmunication						
radio frequency		2.4 GHz	transmission protocol	*	μWiFi			
transmission type	•	with confirmation, encrypted	range	•	up to 100 m in open spaces, up to 40 m in buildings (depending on the construction and terrain)			
encryption	►	set of 512-bit keys, with use of ellipt	ic curves and key negotiatio	n for ea	ch transmission			



device which allows to turn on/off receivers/ equipment

device which work with a battery

devices that use microWiFi wireless communication

windows and doors  $\square$ 



products for use in cooperation with windows and doors

products for use in garages and parkings

8 security

security and access control devices





## AIRSENSOR - BREATH



**air Sensor** is **your personal air quality sensor** - it constantly informs you about the presence of harmful for health suspended particulate matter in the house and outside



miniature, wireless sensor which *detects the presence of the most toxic substances present in the smog* (suspended particulates PM1; PM2,5; PM10), solid particles small enough to enter through the respiratory system to the cardiovascular system and then to the whole organism

airSensor will indicate the current air quality in the room in which it is located; **you decide consciously when**  is the optimal moment to open the windows and if you shoudn't start to use an air filter in your home

you can also place the sensor outside and then decide when to go for a walk

**by using the free wBox application** you can check the air quality in the bedroom, children's room or outdoors from anyplace in the world

if you lose your phone **you can** *immediately block the access* via μPortal

full users control - management via  $\mu$ Portal from anywhere in the world









sensors microWiFi security

smartphone

AIR QUALITY INDICATOR

# TECHNICAL SPECIFICATIONS (airSensor)

electrical parameters	5			
power supply		1224V AC / DC through a plug-in conector or 5V via micro USB connector	power in active state	max 2W
power in inactive state		less than 1W		
measuring propertie	S			
particulate matter classification		ΡΜ1: 0,31,0 μm, ΡΜ2.5: 1,02,5 μm, ΡΜ10: 2,510 μm	type of sensor	laser, PMS5003
measurement precision		50% for particles with a size of 0,3 μm, 98% for size particles >=0,5 μm	total response time of the impulse in active state	10 sec
resolution of the detection	►	1 μg/m³	frequency of the measurement	every 10 minut or on demand
effective range of the detection	►	for PM2.5, 0500 μg/m³		
physical characterist	ics o	f the device		
dimensions		2.79" x 2.79" x 1.06" (71mm) (71mm) (27mm)	controller operating temperature	from -10 to $+ 60^{\circ}$ C protect of the direct sunlight
mounting method		screws, wall plug or double- -sided adhesive tape	operating humidity range	0.99%
protection level	►	IP32, mounting in a place protected from rain	type of air quality indication	numeric and graphic indicator in wBox application, changing LED colors
characteristics of the	con	nmunication		
communication standard		$\mu WiFi$ , compatible with WiFi, 802.11g	radio frequency	2.4 GHz
transmission type		bi-directional, encrypted	API	open
mode		direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	 Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
encryption		WPA2-PSK and authenticated encrypt	ion with associated data (AEAD)	



sensing elements

devices that use microWiFi wireless communication



security and access control devices

smartphone

devices controlled using smartphones and tablets



30V/400V on/off microWiFi smartphot

### CONTROL THE SAUNA FROM ANYWHERE IN THE WORLD

saunaBox is the world's first sauna controller that allows you to turn on and off and control the sauna temperature from anywhere in the world without the use of additional peripherals

saunaBox is characterized by its **extremely easy use**: it is possible to verify the given temperature and also to configure it remotely (by using a smartphone) and also set it directly (using the buttons on the device touchpad); the device can also be controlled using the miniature remote control µRemote or the wireless push-buttons inBox

it has a **control panel illuminated with color lighting** (from blue, through light blue, white, yellow, orange to red) **that provides additional visual information about the current temperature** (the user can set their own temperature range, for ex- ample, from 20°C to 80°C, in the interval in which the color of the illumination will change smoothly)

has the function of advanced time control (schedule) - the sauna can





be turned on with the last temperature, with the programmed temperature or turn it off at the most convenient times

using the *interactive chart function,* you can check how the temperature in the sauna has changed in a given time period (it gives the user information about when the sauna was used or how quickly it heats, or how the heating element works)

the device has a **waterproof probe** with a wide temperature range (from -55°C to 125°C), the probe has a 1m. wire allowing the easy assembly

for safety reasons, the device is equipped with a self-diagnostic mechanism that will recognize the failure of the measuring probe and additionally inform the user about inconsistent settings

**thanks to the open API**, you can integrate the controller with other home automation systems

using the modularity of bleBox products and scenes, you can add lighting or ventilation to your sauna **and control everything with one simple application** 



**possible additional uses:** connection of the saunaBox controller for underfloor heating or for an ordinary electric heater **and heating control throughout the house** 

if you lose your phone **you can** immediately block the access via  $\mu Portal$ 

*full users control* - management via  $\mu$ Portal from anywhere in the world



ტ ビ 230V/400V microWiFi on/off smartphone

WIRELESS SAUNA SMART CONTROLLER

# TECHNICAL SPECIFICATIONS (saunaBox)

electrical paramete	rs				
power supply		1x230V (single phase) or 3x230V (three phase)	controller energy consumption		< 1W
control outputs			control keyboard		
number of outputs	►	3	number of buttons	►	3
output type	►	relay	buttons type		capacitive (touch sensor), illuminated, integrated
maximum load	►	3 x 16A	mounting method		integrated in the front panel
maximum power		3 x 3680VA 3 x 3680 W (for resistive load e.g. heater)			
galvanic isolation	►	no			
control inputs			basic features		
inputs type		temperature probe	signaling on the housing		colorful, illuminated front panel informing about the set tempera- ture, current temperature, failure
measurement range	►	from -55°C to 125°C	controller signaling		blinking blue diagnostic diode (op- tion to switch off in the controller settings)
measurement accuracy		± 0,5°C in the range of -10°C to 85°C			
physical characteris	tics o	of the device			
dimensions		5.07″ <sub>X</sub> 3.5″ <sub>X</sub> 2.24″ (129mm) (89mm) (57mm)	mounting method		2 mounting perforations, installa- tion in a place protected from rain
housing		surface junction box, controller cove- red with a polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	controller operating temperature range		from -20°C to 50°C
protection level	►	IP44			
characteristics of th	e con	nmunication			
communication standard	d ⊳	$\mu WiFi$ , compatible with WiFi, 802.11g	radio frequency	►	2.4 GHz
transmission type		bi-directional, encrypted	ΑΡΙ		open
mode	•	direct connection (as Access Point), Wi-Fi connection via a standard router, connection with access from any location in the world (re- quires only access to the Internet)	compatible devices and systems	•	Apple iPhone, Apple iPad, iPad Mini, Android, computers and mo- bile devices supporting HTML5
encryption	►	WPA2-PSK and authenticated encrypt	ion with associated data (AEAI	D)	
2300/	400V	controller devices, powered by 230V /400V	M MICROWIEL	evices t ommun	hat use microWiFi wireless ication



/400V



smartphone

devices controlled using smartpho-

nes and tablets

device which allows to turn on/off receive

ers/ equipment	





### COLOR THE SPACE AROUND YOU -CONTROL ENERGY-EFFICIENT RGB, RGBW LED LIGHTING FROM YOUR SMARTPHONE OR TABLET

**lightBox** is the world's smallest wireless Bluetooth lighting controller

it allows you to control the **RGB**, **RGBW LED lighting or 4 monocolor LED channels** 

is possible to choose between **11** predefined effects which allows to create amazing lighting effects

with a single mobile device (smartphone or tablet) you can control many sources of light at the same time





due to its **durability and very small size** it is often used in the automotive industry, and sailing (e.g. yachts illumination)

it allows you to control the LED lighting by using the **specially designed**, **free BleBox application**, which is available on mobile Apple and Android devices





free application always available to control the devices

PRODUCT OFFER





# BLUETOOTH MULTI-ZONE LED LIGHTING / LED RGBW CONTROLLER

# TECHNICAL SPECIFICATIONS (lightBox v4)

electrical parameters								
supply voltage		12 – 24 V DC	energy consumption	►	< 1W			
maximum current		12A (3A /channel)	number of outputs	►	4			
color mode		RGB / RGBW / 4x MONO	type of outputs	►	open-drain, PWM, low side control			
physical characteristics	physical characteristics of the device							
dimensions		1.57″ x 1.49″ x 0.78″ (40mm) (38mm) x (20mm)	protection level		IP20			
housing	•	made of polyurethane composi- tion not containing halogens, self -extinguishing for thermal class B (130 °C)	mounting method	•	in the flush-mounted box, on the lamp housing, directly connected to the LED strip, e.g. furniture			
protection		inverted polarization, ESD						
characteristics of the co	omn	nunication						
communication technology		Bluetooth Low Energy 4.2	radio frequency	►	2.4 GHz			
transmission type		bi-directional	compatibility	►	Apple iPhone 4s, iPad 3, iPad mini, Android 4.3 and newer			
range	up to 20 m in open space (inside buildings the range may be limited to 10 m depending of the construction materials used in building and device positioning)							



products associated with lightning

car

devices associated with the automotive industry 🛠 ) bluetooth

smartphone

device using wireless short-range h communication

devices controlled using smartpho-

nes and tablets





## CONTROL THE LIGHTING JUST BY USING YOUR HAND GESTURES-TOUCHLESS





**works through nonconductive materials** (wood, stone, glass, etc.), so that it can embedded in different objects (such as furniture) - it becomes invisible then

**patented technology to detect the closeness of objects with dynamic calibration** makes does that the sensitivity adjustment is not required - it automatically calibrates within a few seconds



is also available in the OEM version for furniture manufacturers





"INVISSIBLE" LED LIGHT CONTROLLER - TOUCHLESS LIGHT CONTROL

# TECHNICAL SPECIFICATIONS (proxiDimmer)

electrical parameters							
supply voltage		12 – 24 V DC	maximum power		120 W		
maximum current	►	5 A	energy consumption	►	< 0,1 W		
physical characteristics of the device							
sensor	•	proximity, capacitive sensor	protection level		IP20		
calibration	►	automatic	mounting method	►	under the surface of non- conductive, adhesive tape		
dimensions	►	1.49″ x 1.49″ x 0.74″ (38mm) (38mm) (19mm)	controller operating temperature		from -10 to + 40°C		
housing	ng made of polyurethane composition not containing halogens, self-extinguishing for Thermal class B (130 °C)						

products associated with lightning

U on/off

device which allows to turn on/off receivers/ equipment

())) sensors

sensing elements







proxiSwitch is an extraordinary proximity
sensor that allows you to turn on/off devices
using the touch or hand moves

proxiewitch

**works through nonconductive materials** (wood, stone, glass, etc.), so that it can embedded in different objects (such as furniture) - it becomes invisible then

patented technology to detect the closeness of objects with dynamic calibration makes does that the sensitivity adjustment is not required - it automatically calibrates within a few seconds

after conecting to the low voltage wBox devices (switchBoxDC, shutterBoxDC) *it can be an ideal complement to the control of wireless devices* 





is also available in the OEM version for furniture manufacturers

### PRODUCT OFFER





"INVISIBLE" SWIITCH - ELECTRIC DEVICES TOUCHLESS CONTROL (12-24V)

# TECHNICAL SPECIFICATIONS (proxiSwitch)

electrical parameters							
supply voltage		12 – 24 V DC	maximum power		120 W		
maximum current	►	5 A	energy consumption	►	< 0,1 W		
physical characteristics of the device							
sensor	•	proximity, capacitive sensor	protection level	•	IP20		
calibration	►	automatic	mounting method	►	under the surface of non- conductive, adhesive tape		
dimensions	►	1.49″ 1.49″ x 0.74″ (38mm) x (38mm) x (19mm)	controller operating temperature	►	from -10 to + 40°C		
housing	► made of polyurethane composition not containing halogens, self-extinguishing for Thermal class B (130 °C)						



device which allows to turn on/off receivers/ equipment



sensing elements





### PARKING HAS NEVER BEEN SO EASY AND SAFE

**parkingSensor** is *an unique RGB LED controller*, which helps parking by using colorful lights

it controls in a direct way the LED/LED RGB (e.g. LED strip, lighting fixture) and by changing the colors of the light *it informs the vehicle driver about the distance from the obstacle* 

very useful in single-family house garages and underground parking garages (both private and public - for example, in shopping malls)





in contrast to similar devices available on the market, *it does not require installation of additional, expensive controller* - it only needs a power source

small size and ease of installation, enables to fast and easy mounting of the device in the parking location







PARKING SENSOR LED / LED RGB LIGHTING CONTROLLER

#### electrical parameters supply voltage 7 – 24V DC number of PWM channels 3 (RGB) Þ 1 maximum current 8 A energy consumption $< 1 {\rm W}$ output on the type of output open collector, 250mA additional output presence detector physical characteristics of the device sensor ultrasonic, distance sensor protection level IP20 1.96" x 1.57" x 0.98" (50 x 40 x 25mm) controller operating from -10 to + 40°C dimensions with connector: 1.96" x 1.96" x 0.98" temperature (50 x 50 x 25 mm) made of polyurethane composition not containing halogens, self -extinguishing for thermal class B calibration housing yes of notified distance (130 °C)

# TECHNICAL SPECIFICATIONS (parkingSensor)



g products associated with lightning



sensing elements



car

products for use in garages and parkings

devices associated with the automotive industry





### IT WILL EASILY ILLUMINATE THE INTERIOR OF YOUR FURNITURE

reflectiveSwitch is the smallest, reflective LED controller in the world, based on opto-electronic reflective sensor and miniature processor responsible for digital signal processing







after connection to the LED strip, *it turns on the lighting inside the furniture* (e.g. cupboards, drawers) every time it is opened and turns off when it's closed

its precision and the technology used makes sure that the not completely closed door does not cause a problem - the light will turn off anyway

**reflectiveSwitch** can be located in most of the LED profiles available on the market



### reflectiveSwitch profile





# WORLD'S SMALLEST REFLECTVE LED CONTROLLER

# TECHNICAL SPECIFICATIONS (reflectiveSwitch)

electrical parameters							
supply voltage	►	12 - 24V DC	maximum power		96 W		
maximum current	►	4 A	energy consumption	►	< 0,1 W		
physical characteristics of the device							
sensor		optical, reflective	mode	▶	NO, NC, bistable		
dimensions		1.33″ 0.39″ x 0.11″ (34mm) (10mm) x (3mm)	protection level	►	IP00		
mounting method	►	in LED profile/ heat-shrink tubing	connection method		soldering, screw terminal *		
controller operating temperature		from -10 to + 40°C					

\* include in the order, connectors + 4 zł / 1 euro



lighting products associated with lightning



device which allows to turn on/off receivers/ equipment





# IT TURNS ON THE LIGHTING AT THE EVENING AND TURNS OFF WHEN IT IS GETTING BRIGHT EVERYTHING AUTOMATICALLY

twilightSwitch is *the smallest* twilight switch controller for use with the LED lighting *in the world* 





# it can be located in most of the LED profiles available on the market

*it automatically turns on Low voltage LED lighting* (e.g. LED strip) at the evening and turns off when it is getting bright

used in illumination of ramps, elevations, courtyards, gardens, etc.

an intelligent algorithm applied to the device makes that the calibration is not required



twilightSwitch profile







# TECHNICAL SPECIFICATIONS (twilightSwitch)

electrical parameters							
supply voltage	►	12 – 24V DC	maximum power		96 W		
maximum current	►	4 A	energy consumption	►	< 0,1 W		
physical characteristic	physical characteristics of the device						
sensor	•	optical, photodetector	calibration	•	automatic		
dimensions	►	1.33″ 0.31″ 0.11″ (34mm) (8mm) (3mm)	protection level		IP00		
mounting method	►	in LED profile / heat- shrink tubing	connection method	•	soldering, screw terminal *		
controller operating temperature	►	from -10 to + 40°C					

\* include in the order, connectors + 4 zł / 1 euro

Iighting

products associated with lightning

))) sensors

sensing elements



## INCREASE THE POWER OF YOUR LED LIGHTING IN A SIMPLE WAY



# it allows to attach significant load to the LED controllers

designed to use every place where we is necessary to make additions, including:

- LED /RGBW LED load;

- resistive load (e.g. bulbs powered by voltage DC 12-24V with more power than provided by the controller, LED dimmer, RGBW controller, etc.);

- high power LED lighting, e.g. for cars or specialistic

it provides safety through separation (galvanic separation) of the input and output potentials

thanks to the use of the optoelectronic separation, in case of a damage (e.g. overvoltage, improper connection, power supply failure, etc.) of one of the sections, the remaining part of the installation is not getting damaged

it has an input signal correction system



PRODUCT OFFER





# PROFESSIONAL FOUR-CHANEL LED / LED RGBW AMPLIFIER

electrical parameters							
supply voltage		12 – 24V DC	number of channels	►	4		
maximum current		20 A	maximum power		480 W		
maximum current / channel		5 A	energy consumption	►	< 0,1 W		
physical characteristics of the device							
dimensions		1.88″ x 1.57″ x 0.74″ (48mm) (40mm) <sup>x</sup> (19mm)	protection level	►	IP20		
housing		non-flammable resin which dissipates heat	connection method		screw terminal block connector		
mounting method		in the flush-mounted box, inside the housing of the lighting	controller operating temperature	►	from -10 to + 40°C		
input signal		PMW common VCC or GND	output signal	►	PMW common VCC		
galvanic separation	•	yes - optical	power IC	►	internal rectifiers n-type metal oxide semicontuctor field effect transistor		
correction signal		yes - digital					

# TECHNICAL SPECIFICATIONS (ampBox)



products associated with lightning



UniformLinear US distributor of Blebox



Blebox.eu is a brand of high-quality products related to home automation. Created in 2013 by authors of the "Polish Invention of the year 2014" and 30 other technological and product innovations. Within 5 years it has evolved from a local start-up to an international company which provides innovative products to more than 30 countries of the world, including China.

Our products are completely designed (we have our own research laboratories) and produced in the European Union, in particular in Poland and Germany. We take the issues of quality and reliability very seriously. That's why we give on our products a 5 year warranty, creating a brand based on trust.

In 2016 Blebox.eu was awarded with the statuettes: "Business Eagle 2016" and "Innovators 2016" granted as the most innovative company in Poland by the editors of Wprost, the Ministry of Science and Higher Education and the Ministry of Development. In 2017, he received a distinction from the President of the Republic of Poland for being one of the three fastest-growing start-ups in Poland - the Presidential Economic Award.

We invite installers, shops and wholesalers to cooperate with us. For a constant cooperation we offer attractive discounts and the possibility to customize own requirements and creating new solutions.

for more information visit our website

# www.uniformlinear.com

or send us an email to: info@uniformlinear.com

support is available at: 1 (865) 339 4956



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