



Polish manufacturer
of gate automation

www.dtm.pl

PRODUCT CATALOGUE



Gold medals
of the international
Poznań fair



Leader of new
technologies title



**CONSTRUCTION
BRAND OF THE YEAR
Distinction**



Polish manufacturer
of gate automation

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Transmitters



Polish manufacturer
of gate automation

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Transmitters

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**MODERN
DESIGN**

**RELIABLE
AND SECURE
IN ALL
CONDITIONS**

NEON

- 1+3 buttons
- main button
with effective backlight
- radio transmission frequency 433MHz

NEON is an elegant and modern remote, whose robustness and radio parameters meet the requirements of even the most demanding customers. Effective backlighting of the main button gives the impression of uniqueness with each use. Remote has four buttons that can control radio receivers, gate controllers, and other DTM433MHz system devices.

Parameters

number of buttons: 1 + 3
 frequency: 433MHz
 battery: 2xCR2016
 maximum range: 150m
 the maximum effective radiated power: 10mW
 variable coding system: 64-bit KeeLoq®
 the number of combinations: 4 294 967 296
 housing: PC
 operating temperature (min./max.): -10°C / +55°C
 weight: 20g
 element of the system: DTM433MHz

Dimensions



Radio
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automation systems

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Control



**SOLID IN
OPERATION**

**PRACTICAL
ELEGANCE**

Art

- 4 buttons
- housing with metal elements
- radio transmission on the frequency 433MHz

ART is a skillfully developed remote with elegance and practicality in every element. Housing with metal decorative elements, high quality, and good radio parameters guarantee satisfaction in use. The remote control has 4 buttons that can control radio receivers, gate controllers, and other DTM433MHz series devices.



remote

► Parameters

number of buttons: 4
frequency: 433MHz
battery: 2xCR2016
maximum range: 150m
the maximum effective radiated power: 10mW
variable coding system: 64-bit KeeLoq®
the number of combinations: 4 294 967 296
housing: PC with metal elements
operating temperature (min./max.): -10°C / +55°C
weight: 27g
element of the system: DTM433MHz

► Dimensions



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Control



gray remotes

black and silver remotes

gray and black remotes

neo

available versions:

dtm
433 MHz



- ergonomic, robust ABS enclosures
- available in 2 or 4 button versions
- emitted signal protected by a KeeLoq[®] dynamically variable code
- frequency 433,92MHz
- compatible with DTM433MHz series devices

Remote has two or four buttons that can control radio receivers, gate controllers, and other DTM433MHz devices.



neo
remotes

Parameters

number of buttons: 2 or 4
 frequency: 433,92MHz
 battery: L1028 23A12V
 max range: to 150m
 effective radiated power: to 10mW
 variable rolling code: 64-bit KeeLoq®
 number of combinations: 4 294 967 296
 case: ABS
 operating temperature (min/max): -10°C / +55°C
 weight: 30g (25g NEO gray)
 part of: DTM433MHz

NEO black-silver and gray-black - dimensions



NEO gray - dimensions



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automatics
systems

ECO VICTORY remote



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**MODERN
DESIGN
LOW PRICE**

**EXPRESS
YOURSELF
IN COLORS**



available versions:

dtm
433 MHz



- economic plastic case, large selection of colours
- frequency: 433,92 MHz, ASK modulation, emitted Power less than 10mW
- Keeloq® dynamic coding for the highest safety of transmitted signal
- compatible with DTM433MHz devices

Main applications: remote control for gate automatics, barriers, roller-blinds, lights, alarms.



Victory eco

Parameters

number of buttons: 2 or 4
 frequency: 433,92MHz
 battery type: 2xCR2016
 range: 50-130m
 ERIP power: 3mW
 dynamic code: KeeLoq®
 combinations number: 4 294 967 296
 enclosure material: ABS
 working temp. (min./max): 0°C / +55°C
 weight: 20g
 part of: DTM433MHz

EcoVictory remote is an economical remote for customers looking for modern design in affordable price. Cover with good quality materials, high quality and good radio parameters will guarantee satisfaction in using. Remote has 4 buttons devoted to control radio receivers, gate controllers and other DTM433 devices.

Available colors

With a wide variety of case colors EcoVictory remote is ideally suited to the modern urban environment.



black

red

green

cappuccino

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automatics systems

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automation
systems

VICTORY remote



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**CLASS
AND
ELEGANCE**



victory



- elegant and robust metal case with INOX effect
- compatible with all DTM433MHz series products
- radio range up to 130 meters

VICTORY remote is an exclusive remote for demanding customers. Thanks to the resistant metal case with INOX effect, high workmanship quality, and good radio parameters, satisfaction is guaranteed. Remote has two or four buttons devoted to control radio receivers, gate controllers and other DTM433MHz devices.



► Parameters

number of buttons: 2 or 4
frequency: 433,92MHz
battery: 2xCR2016
maximum range: 130m
the maximum effective radiated power: 10mW
variable coding system: Keeloq®
the number of combinations: 4 294 967 296
housing: metal and ABS
operating temperature (min./max.): -10°C / +55°C
dimensions: 63x34x16mm
weight: 40g
element of the system: DTM433MHz

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**12
BUTTONS**

**MAGNETIC
WALL
HOLDER**

MIX

- modern design
- ergonomic housing
- element of DTM868MHz system

MIX is designed for remote control of building automation. Placed in a magnetic holder on the wall, turns into a 12-button wireless switch. Its design fits perfectly with the other accessories of electrical system of the building.



MIX
remote



Parameters

number of buttons: 12
frequency: 433MHz
dimensions: 56x104x9mm
dimensions with handle: 80x104x18mm
battery: CR2430
maximum range: 150m
EIRP: 10mW
variable rolling code: 64-bit KeeLoq®
number of combinations: 4 294 967 296
housing: ABS
operating temperature (min./max.): -10°C / +55°C
weight: 36g
weight with holder: 54g
part of the system: DTM433MHz

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**AUTOMOTIVE
APPROVAL
E20**

**IMPOSSIBLE
TO LOSE**

**BLINK OF
LIGHTS
WILL OPEN
THE GATE**



BLINK

available versions:

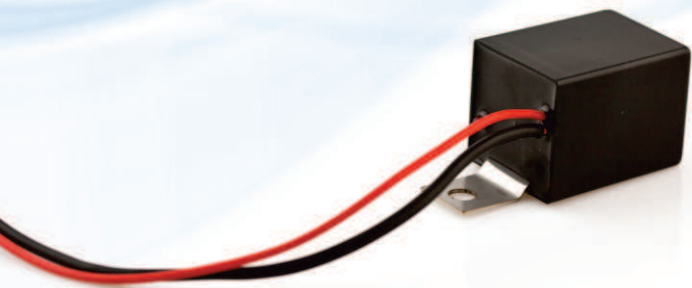


- easy installation in the car
- four channels
- waterproof housing
- it does not require battery power
- compatible with DTM433MHz devices

The device is designed for installation in all kind of vehicles, using the existing electrical circuits (eg traffic lights), to control devices in an easy way. BLINK transmitter can be coupled with alarm installations, gate automation, as well as smart home installations equipped with DTM433MHz receiver.

BLINK

four-channel built-in radio transmitter

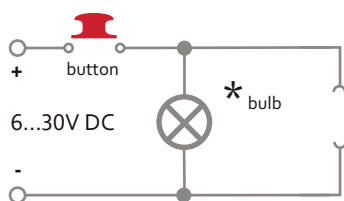


➤ Basic parameters

input: 6...30VDC
number of channels: 4
frequency: 433,92MHz
maximum range: to 150m
effective radiation power: to 10mW
variable coding system: 64-bit KeeLoq®
number of combinations: 4 294 967 296
operating temperature (min./max): -20°C / +55°C
IP: IP-66
assembly: metal handle with a 6,5mm hole
dimensions: 31x31x42mm, with handle 31x31x62mm
weight: 40g
series: DTM433MHz

➤ Example of use

1



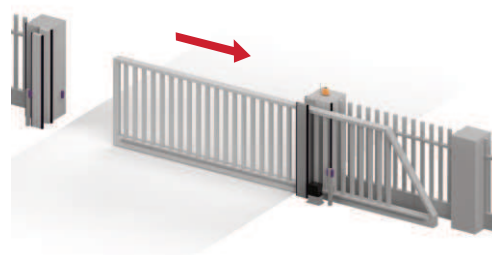
* high beam bulb, horn, factory button in the car's cockpit or other devices whose momentary (several times) switching on will cause the relevant BLINK transmitter channel to work

2



BLINK transmitter in the car

3



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NEW!

GALACTIC

Save Time & Money

- programming remotes in the office
- self-activation by the user
- 65 000 installations with a unique code

GALACTIC



**SATISFACTION
WITH EVERY
CLICK**

**RELIABLE
AND SECURE
IN ALL
CONDITIONS**

NEON
GALACTIC

- wireless programming outside the installation
- 1 main button with backlight + 3 additional buttons
- low battery indication
- radio transmission frequency 868MHz with IRS encryption and FSK modulation

NEON GALACTIC is an elegant and modern remote, whose robustness and radio parameters meet the requirements of even the most demanding customers. Effective backlighting of the main button gives the impression of uniqueness with each use. Remote is equipped with the Galactic function that allows to program and configure the remote outside the installation. It has four buttons that can control radio receivers, gate controllers, and other DTM868MHz system devices.

Parameters

number of buttons: 1 + 3
 frequency: 868MHz
 battery: 1xCR2032
 maximum range: 250m
 the maximum effective radiated power: 10mW
 variable coding system: 104-bit IRS
 the number of combinations: 2,02824096E+31
 housing: PC
 operating temperature (min./max.): -10°C / +55°C
 weight: 20g
 element of the system: DTM868MHz

Dimensions



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GALACTIC

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**PRACTICAL
ELEGANCE**

Art
GALACTIC

- 4 buttons
- housing with metal elements
- radio transmission on the frequency 868MHz

ART GALACTIC is a skillfully developed remote with elegance and practicality in every element. Housing with metal decorative elements, high quality, and good radio parameters guarantee satisfaction in use. The remote control has 4 buttons that can control radio receivers, gate controllers, and other DTM868MHz series devices.

Parameters

number of buttons: 4
 frequency: 868MHz
 battery: 1xCR2032
 maximum range: 250m
 the maximum effective radiated power: 10mW
 variable coding system: 104-bit IRS
 the number of combinations: 2,02824096E+31
 housing: PC with metal elements
 operating temperature (min./max.): -10°C / +55°C
 weight: 27g
 element of the system: DTM868MHz

Dimensions



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NEW!

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- 65 000 installations with a unique code



**WIRELESS
PROGRAMMING**

**SOLID
AND RELIABLE
IN USE**



neo1
GALACTIC

- programming remotes outside the installation
- ergonomic, robust remotes with 2 or 4 buttons
- low battery signalling
- 868MHz frequency with complimentary IRS variable rolling code

NEO 1's quality and innovative technical solutions create dimension of comfort and safety. Remote has two or four buttons that can control radio receivers, gate controllers and other DTM devices. Equipped with Galactic function which allows programming and configuring the remote outside the installation.



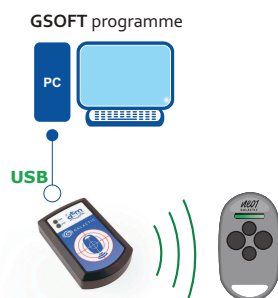
neo1
GALACTIC
remote

➤ General parameters

number of buttons: 2 or 4
 frequency: 868MHz
 battery: CR2016
 max range: 250m
 effective radiated power: to 10mW
 variable rolling code: 104-bit IRS
 number of combinations: 2,02824096E+31
 case: plastic
 operating temperature (min/max): -10°C / +55°C
 weight: 20g
 part of: DTM868MHz

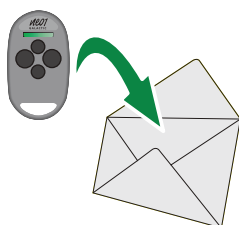
➤ Principle of operation

1



configuration and settings
in GSOFT programme,
programming the remote
with GALACTIC function
anywhere, eg. in the office

2



provide the remote to user

3



user in receiver radio range initiates adding
a transmitter to receiver by using remote buttons,
since that moment remote is active in the system

Radio
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NEW!

GALACTIC

Save Time & Money

- programming remotes in the office
- self-activation by the user
- 65 000 installations with a unique code

GALACTIC



neo2
GALACTIC

- programming remotes outside the installation
- ergonomic, robust remotes with 2 or 4 buttons
- low battery signalling
- 868MHz frequency with complimentary IRS variable rolling code

NEO 2's quality and innovative technical solutions create dimension of comfort and safety. Remote has two or four buttons that can control radio receivers, gate controllers and other DTM devices. Equipped with Galactic function which allows programming and configuring the remote outside the installation.



neo2
GALACTIC
remote

➤ General parameters

number of buttons: 2 or 4
frequency: 868MHz
battery: CR2016
max range: 250m
effective radiated power: to 10mW
variable rolling code: 104-bit IRS
number of combinations: 2,02824096E+31
case: plastic
operating temperature (min/max): -10°C / +55°C
weight: 20g
part of: DTM868MHz

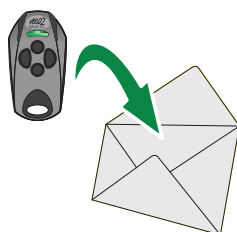
➤ Principle of operation

1



configuration and settings
in GSOFT programme,
programming the remote
with GALACTIC function
anywhere, eg. in the office

2



provide the remote to user

3



user in receiver radio range initiates adding
a transmitter to receiver by using remote buttons,
since that moment remote is active in the system

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NEW!

complimentary
IRS variable
rolling code

- 868MHz frequency
- FSK modulation
- customized security solutions **against** radio intrusion
- intelligent adaptation to radio conditions of transmitter and receiver

available versions:

dtm
868 MHz



MAGIC
OF COLOR
CHOICE



COMPONENT OF
DTM868MHz



Victory
eco868

- modern design at good price
- low battery signalling
- 868MHz frequency with complimentary IRS variable rolling code
- compatible with DTM868MHz devices

EcoVictory 868 is modern remote in an economical edition. Modern and innovative technical solutions create a new dimension of comfort and safety. Main usage is to control gates, garage doors, shutters, lighting and alarms.



remote

➤ General parameters

number of buttons: 2 or 4
frequency: 868MHz
battery: CR2032
max range: 200m
effective radiated power: to 10mW
variable rolling code: 104-bit IRS
number of combinations: 2,02824096E+31
case: plastic
operating temperature (min/max): -10°C / +55°C
weight: 19g
part of: DTM868MHz

➤ Available colors

Thanks to wide range of available colors EcoVictory 868 is ideally suited for a modern environment.



black

red

green

cappuccino

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NEW!

complimentary
IRS variable
rolling code

- 868MHz frequency
- FSK modulation
- customized security solutions **against radio intrusion**
- **intelligent adaptation** to radio conditions of transmitter and receiver

available versions:

dtm
868 MHz



COMPONENT OF
DTM868MHz

MAGIC
MOTION



victory^{m+}
eco868

- door opening by one hand gesture
- ability to control by classic button
- 8-button remote functionality
- 868MHz frequency with complimentary IRS variable rolling code

EcoVictory 868 Motion+ is a combination of modern design and innovation. Solutions used in it allow to operate through hand gestures. Additionally it preserves classical use 4 in 1 button. Main usage is to control gates, garages, shutters, lighting and alarms.



General parameters

number of buttons: 4 in 1 (number of presses corresponds with button number, from 1 to 4)
 number of gestures: 4 (left, right, up, down)
 frequency: 868MHz
 battery: CR2032
 max range: 200m
 EIRP: to 10mW
 variable rolling code: 104-bit IRS
 number of combinations: 2,02824096E+31
 case: plastic
 operating temperature (min/max): -10°C / +55°C
 weight: 19g
 component of: DTM868MHz

Available colors

Thanks to wide range of available colors EcoVictory 868 MOTION+ is ideally suited for modern environment.



black

red

green

cappuccino

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NEW!

complimentary
IRS variable
rolling code

- 868MHz frequency
- FSK modulation
- customized security solutions **against radio intrusion**
- **intelligent adaptation** to radio conditions of transmitter and receiver

available versions:

dtm
868 MHz



**16
CHANNELS**

**COMPONENT OF
DTM868MHz**



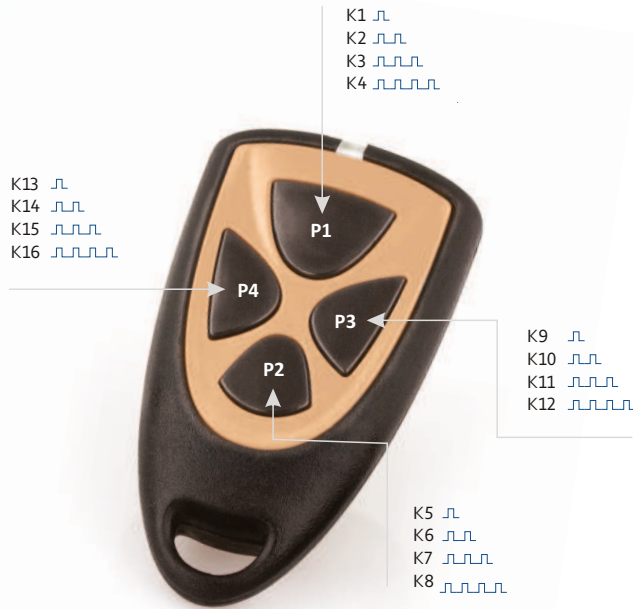
Victory
eco868 ^{hex}

- modern design
- low battery signalling
- 868MHz frequency with complimentary IRS variable rolling code
- compatible with DTM868MHz devices

EcoVictory 868 HEX is modern remote in an economical edition. Used modern and innovative technical solutions give a new dimension of comfort and safety. HEX remote is a 16 channel transmitter closed in a small 4-button case. Main usage is to control gates, garage doors, shutters, lighting and alarms.

Button numbering and methods of channel activation

remote



CONTINUOUS TRANSMISSION - DURING THE LAST PRESS HOLD THE BUTTON AS LONG AS THE TRANSMISSION SHOULD LAST.



General parameters

number of buttons: 4
 number of channels: 16
 frequency: 868MHz
 battery: CR2032
 max range: 200m
 effective radiated power: to 10mW
 variable rolling code: 104-bit IRS
 number of combinations: 2,02824096E+31
 case: plastic
 operating temperature (min/max): -10°C / +55°C
 weight: 19g
 component of: DTM868MHz

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NEW!

complimentary
IRS variable
rolling code

- 868MHz frequency
- FSK modulation
- customized security solutions **against** radio intrusion
- **intelligent adaptation** to radio conditions of transmitter and receiver

available versions:

dtm
868 MHz



CLASS
AND
ELEGANCE



COMPONENT OF
DTM868MHz



victory
868

- elegant and robust metal case with INOX effect
- low battery signalling
- 868MHz frequency with complimentary IRS variable rolling code
- compatible with DTM868MHz devices

Victory 868 is an exclusive remote for demanding clients. Robust metal case with INOX effect, high quality and innovative technical solutions offer a unique guarantee of satisfaction in use, comfort and safety. Remote has two or four buttons that can control radio receivers, gate controllers and other DTM868 devices.

victory

868

remote



► General parameters

number of buttons: 2 or 4
frequency: 868MHz
battery: CR2032
max range: 150m
effective radiated power: to 10mW
variable rolling code: 104-bit IRS
number of combinations: 2,02824096E+31
case: combination of metal and ABS
operating temperature (min/max): -10°C / +55°C
weight: 40g
component of: DTM868MHz

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NEW!

GALACTIC

Save Time & Money

- programming remotes in the office
- self-activation by the user
- 65 000 installations with a unique code

**12
BUTTONS**



**MAGNETIC
WALL
HOLDER**

- modern design
- ergonomic housing
- low battery indication
- element of DTM868MHz system

MIX

GALACTIC

MIX is designed for remote control of building automation. Placed in a magnetic holder on the wall, turns into a 12-button wireless switch. Its design fits perfectly with the other accessories of electrical system of the building.



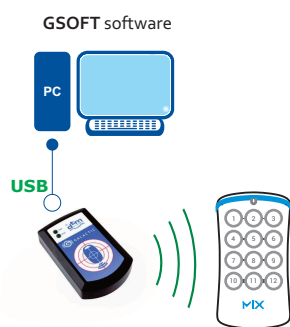
MIX
GALACTIC
remote

Parameters

number of buttons: 12
frequency: 868MHz
dimensions: 56x104x9mm
dimensions with handle: 80x104x18mm
battery: CR2430
maximum range: 250m
EIRP: to 10mW
variable rolling code: 104-bit IRS
number of combinations: 2,02824096E+31
housing: ABS
operating temperature (min./max.): -10°C / +55°C
weight: 36g
weight with holder: 54g
part of the system: DTM868MHz

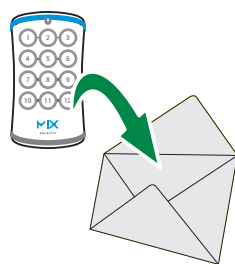
Principle of operation

1



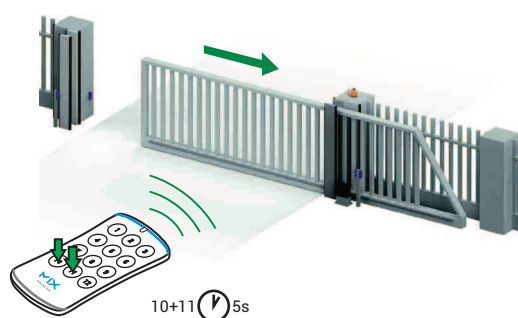
configuration and settings
in GSOFT programme,
programming the remote
with GALACTIC function
anywhere, eg. in the office

2



provide the remote to user

3



user in receiver radio range initiates adding
a transmitter to receiver by using remote buttons,
since that moment remote is active in the system

Radio
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Remotes

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automation systems

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NEW!

complementary
IRS variable
rolling code

- 868MHz frequency
- FSK modulation
- customized security solutions **against** radio intrusion
- **intelligent adaptation** to radio conditions of transmitter and receiver

available versions:

dtm
868MHz



**COMPONENT
OF DTM868MHz**

**THIS
REMOTE
CANNOT
BE LOST**

HID 868

- easy to use
- additional button to verify radio range
- 4 NO inputs
- low battery signalling

4-channel transmitter HID868 is a component of DTM868MHz series. The use of modern and innovative technologies made it possible to obtain more reliable radio coverage. It is designed for mounting inside installation box with any momentary button. It is characterized by small size and very simple operation. HID868 allows to control home and gate automation devices discretely.



HID 868

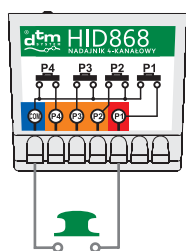
four channel transmitter for built-in

➤ General parameters

inputs (type / number): NO/4
 frequency: 868MHz
 battery: CR2032
 maximum range: 250m
 effective radiated power: to 10mW
 variable rolling code: 104-bit IRS
 the number of combinations: 2,02824096E+31
 operating temperature (min. / max.): -20°C / +55°C
 IP: 20
 mounting: inside installation box
 dimensions: 44x37x22mm
 weight: 25g
 component of: DTM868MHz

➤ Usage example

1



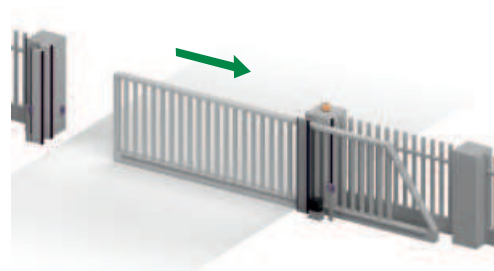
any NO button

2



HID868 transmitter
placed under the button

3



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NEW!

IRS variable rolling code

- frequency **868MHz**
- modulation **FSK**
- customized security solutions
against radio intrusion
- **intelligent adaptation**
to radio conditions
of transmitter
and receiver

available versions:



COMPONENT
OF
DTM868MHz

IMPOSSIBLE
TO LOSE

BLINK OF
LIGHTS
WILL OPEN
THE GATE



BLINK 868

- easy installation in the car
- four channels
- waterproof housing
- it does not require battery power
- compatible with DTM868MHz devices

The device is designed for installation in all kind of vehicles, using the existing electrical circuits (eg traffic lights), to control devices in an easy way. BLINK868 transmitter can be coupled with alarm installations, gate automation, as well as smart home installations equipped with DTM868MHz receiver.



BLINK 868

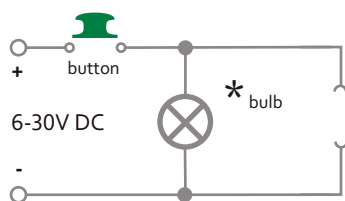
four-channel built-in radio transmitter

➤ Basic parameters

input: 6...30VDC
 number of channels: 4
 frequency: 868MHz
 maximum range: to 200m
 effective radiation power: to 10mW
 variable coding system: 104-bit IRS
 number of combinations: 2,02824096E+31
 operating temperature (min./max): -20°C / +55°C
 IP: IP-66
 assembly: metal handle with a 6,5mm hole
 dimensions: 31x31x42mm, with handle 31x31x62mm
 weight: 40g
 series: DTM868MHz

➤ Example of use

1



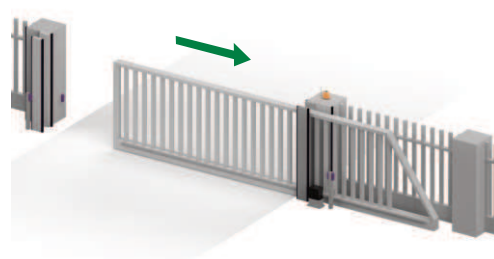
* high beam bulb, horn, factory button in the car's cockpit or other devices whose momentary (several times) switching on will cause the relevant BLINK 868 transmitter channel to work

2



BLINK 868 transmitter in the car

3



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Receivers



Polish manufacturer
of gate automation

www.dtm.pl

Receivers



**SMALL
DIMENSIONS**



**15/150
REMOTES**

NANO II

NANO II

— 150 —

- simple operation
- superheterodyne receiver
- power supply 12...24V AC or DC
- NO relay output

The second version of the well-known and appreciated by installers 1-channel NANO receiver in new, more functional housing. Hiding the programming button prevents accidental presses. NANO2 is a small size and very easy to operate. It cooperates with DTM433MHz devices.



NANO II

NANO II

– 150 –

1-channel radio receiver

▶ Basic parameters

power supply: 12...24V AC/DC $\pm 10\%$
max current consumption: 30mA (relay on)
memory: 15/150 remote controls with an individual number in memory.
Cooperation with DTM433MHz remote controls.
operating temperature: $-20^{\circ}\text{C}/+55^{\circ}\text{C}$
external case dimensions (width depth height): 50 (71 with mounting brackets) x 42 x 23mm
mounting: receiver for indoor or inside other automation enclosure mounting, IP-20

▶ Executive elements

relay outputs
(type, number, maximum load): NO/1/1A (24VAC/DC)
output mode: monostable, turn-on time 1s

▶ Radio parameters

radio module: integrated, superheterodyne
transmission safety: 64-bit KeeLoq®
modulation / frequency: OOK / 433,92MHz
input impedance of antenna: 50Ω
antenna: connectors for an external antenna

▶ Functionality

user interface: clear and simple one-button user interface with built-in LED
remote configuration: the ability to assign any remote control button to the receiver
deleting a single remote: remote control presence needed
possibility to add the remote
without access to receiver button: easy remote control adding function
verification of remote controls in memory: function showing the number of added remote controls

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GALACTIC

Save Time & Money

- programming remotes in the office
- self-activation by the user
- 65 000 installations with a unique code



SMALL
DIMENSIONS

200
REMOTES

433MHz
DUAL-MODE
868MHz



NANO II

-DUO-

- simple operation
- management via MEMO programmer
- power supply 12...24V AC or DC

NANO2 DUO is a 1-channel receiver in a compact housing. It was created for users who value ease of assembly. It is characterized by very simple operation while maintaining high functionality. It is equipped with a USB connector to manage remotes working in DTM433MHz and DTM868MHz systems. It is designed for cooperation with gate controllers, roller shutters, and other automation devices.



NANO II

-DUO-

1-channel radio receiver

➤ Basic parameters

power supply: 12...24V AC/DC $\pm 10\%$
max current consumption: 30mA (relay on)
memory: 200 remote controls with an individual number in memory. Cooperation with DTM433MHz and DTM868MHz remote controls.
operating temperature: $-20^{\circ}\text{C}/+55^{\circ}\text{C}$
external case dimensions (width depth height): 50 (71 with mounting brackets)x42x23mm
mounting: receiver for indoor or inside other automation enclosure mounting, IP-20

➤ Executive elements

relay outputs
(type, number, maximum load): NO/1/1A (24VAC/DC)
output mode: monostable, turn-on time 1s

➤ Radio parameters

radio module: modern, digital, superheterodyne with intelligent adaptation to external radio conditions, high reliability, repeatability and optimum sensitivity
transmission safety: 64-bit Keeloq® and 104-bit IRS
modulation / frequency: OOK / 433,92Mhz and FSK / 868MHz
input impedance of antenna: 50Ω
antenna: terminals for connecting an external antenna

➤ Functionality

user interface: clear and simple one-button user interface with built-in LED
remote configuration: the ability to assign any remote control button to the receiver
deleting a single remote: remote control presence needed
possibility to add the remote
without access to receiver button: easy remote control adding function with the ability to lock and unlock the function, Galactic function - allows adding remotes programmed and configured outside the installation
management of the receiver: using receiver button and by connecting MEMO programmer
verification of remote controls in memory: function showing the number of added remote controls

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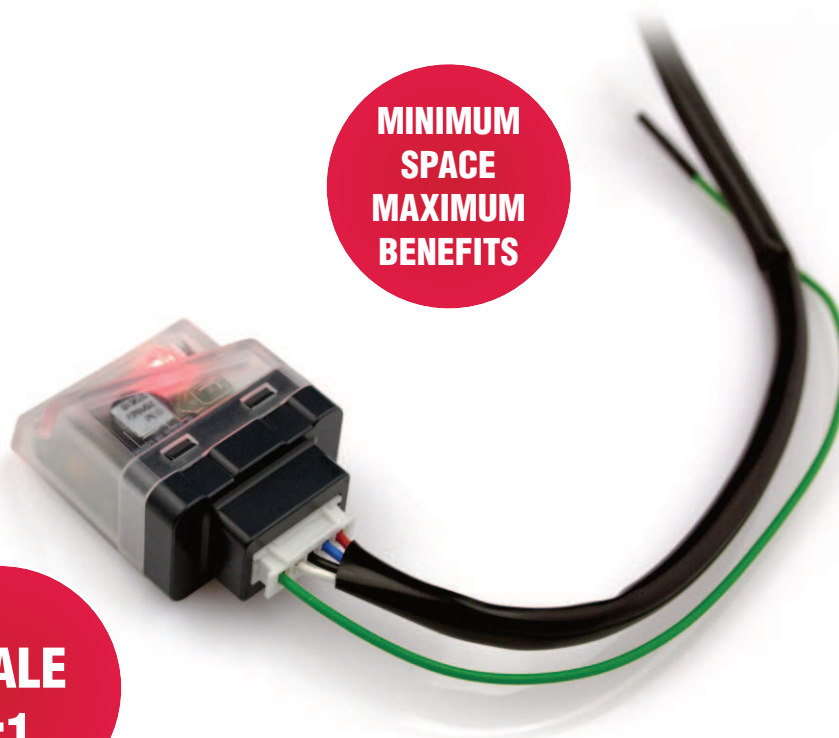
Access
Control



**MINIMUM
SPACE
MAXIMUM
BENEFITS**

**15/150
REMOTES**

**SCALE
1:1**

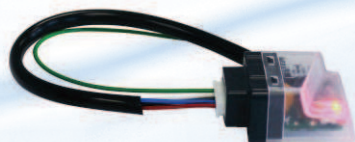


**PIKO
PIKO
150**

- miniature housing
- simple operation
- hole for the cable tie
- 12 ... 24V AC or DC power supply

PIKO is a 1-channel receiver in a miniature housing. It is characterized by a simple operation while maintaining high functionality. Small dimensions allow installation in almost any device, and thanks to the equipment with a cable harness and a hole for the clamp band, the installation runs smoothly and quickly. The receiver is designed for cooperation with gate controllers, roller shutters and other automation devices.





PIKO PIKO 150

1-channel receiver

➤ Basic parameters

power supply: 12...24V AC/DC $\pm 10\%$
max current consumption: 30mA (relay on)
memory: 15/150 remotes with an individual number in memory. Cooperation with DTM433MHz series remotes, and in the MULTI version, with almost all remote models operating in the KeeLoq® system
operating temperature: $-20^{\circ}\text{C}/+55^{\circ}\text{C}$
external case dimensions (width depth height): 541x30x19mm
mounting: receiver for indoor or inside other automation enclosure mounting, IP-20

➤ Executive elements

relay outputs
(type, number, maximum load): NO/1/1A (24VAC/DC)
output mode: monostable, turn-on time 1s

➤ Radio parameters

radio module: integrated, superheterodyne
transmission safety: 64-bit KeeLoq®
modulation / frequency: OOK / 433,92MHz
input impedance of antenna: 50Ω
antenna: factory wire antenna

➤ Functionality

user interface: clear and simple one-button user interface with LED
remote configuration: the ability to assign any remote control button to the receiver
deleting a single remote: remote control presence needed
possibility to add the remote
without access to receiver button: easy remote control adding function
verification of remote controls in memory: function showing the number of added remote controls

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automation systems

RIVAL431 1-channel radio receiver



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Control



**EASY TO
OPERATE**

rival 431

available versions:

dtm
433 MHz



dtm
433 MHz



MULTI

- splash-proof housing for outdoor use
- NO relay output
- power 12...24V AC or DC
- compatible with DTM433MHz series devices

RIVAL431 is a standard, 1-channel receiver, powered by 12...24V AC/DC, operating in the DTM433MHz system. NO relay output allows controlling the gate automation or other electrical equipment. It is characterized by very simple operation and excellent radio parameters.





rival
431

1-channel receiver

➤ Basic parameters

power supply: 12...24VAC/DC±10%
maximum power consumption: 40mA
memory capacity: 15 remote controls with an individual number in memory. Remotes of DTM433MHz series, and in the MULTI version, in addition almost all remotes operating in the KeeLoq® system
operating temperature (min./max.): -20°C / +55°C
the dimensions of the receiver's board (width x depth x height): 46x49x21mm
external dimensions of the housing (width x depth x height): 55x27,5x118mm
assembly method: inside or outside, plastic housing, IP-53
weight: 70g

➤ Outputs

relay outputs
(type / quantity / maximum load): NO/1/1A (24VAC/DC)
operating mode: monostable, turn-on time 0,8s

➤ Radio parameters

radio module: integrated, superheterodyne
transmission security: 64-bit KeeLoq®
type of modulation / frequency: OOK / 433,92MHz
antenna input impedance: 50Ω
antenna: internal antenna, terminals for connecting an external antenna

➤ Functionality

user interface: very clear and simple user interface, based on one button and one LED
remote configuration: the ability to assign any remote control button to the receiver
the ability to delete all memory: yes
the ability to delete a single remote control: yes, presence of deleted remote necessary
possibility to enter the remote control without access
to the receiver buttons: yes, the function of remote adding the remote control

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automation systems

RIVAL432 2-channel radio receiver



www.dtm.pl

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Motors

Access
Control



rival 432

available versions:



- advanced capabilities and simple programming through signaling LED diodes
- outputs turn-on time regulation
- power 12...24V AC or DC
- compatible with DTM433MHz series devices

The wide range of power supply of the receiver and two NO relay outputs are perfect for home automation installations. Receiver can control gate and lighting devices and many others according to customer needs.





rival

432

2-channel receiver

➤ Basic parameters

power supply: 12...24VAC/DC ±10%
 maximum power consumption: 100mA
 memory capacity: 35 remote controls with an individual number in memory. Remotes of DTM433MHz series, and in the MULTI version, in addition almost all remotes operating in the KeeLoq® system
 operating temperature (min./max.): -20°C / +55°C
 the dimensions of the receiver's board (width x depth x height): 46x80x21mm
 external dimensions of the housing (width x depth x height): 55x27,5x118mm
 assembly method: inside or outside, plastic housing, IP-53
 weight: 80g

➤ Outputs

relay outputs
 (type / quantity / maximum load): NO / 2 / 1A (24VAC/DC)
 operating modes: monostable, bistable or momentary
 regulation of turn-on time
 in monostable mode: 0,5s, from 1 to 127s with a resolution of 1s, and from 1min to 127min with a resolution of 1min

➤ Radio parameters

radio module: integrated, superheterodyne
 transmission security: 64-bit KeeLoq®
 type of modulation / frequency: OOK / 433,92MHz
 antenna input impedance: 50Ω
 antenna: internal antenna, terminals for connecting an external antenna

➤ Functionality

user interface: an interface on six LEDs and two buttons that support a simple menu
 configuration of the remote: the ability to assign any of the two receiver channels to any button
 the ability to delete all memory: yes
 the ability to delete a single remote control: yes, presence of deleted remote necessary
 possibility to enter the remote control without access to the receiver buttons: yes, the function of remote adding the remote control

Radio
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automation systems

RIVAL434 4-channel radio receiver



www.dtm.pl

Radio
Receivers

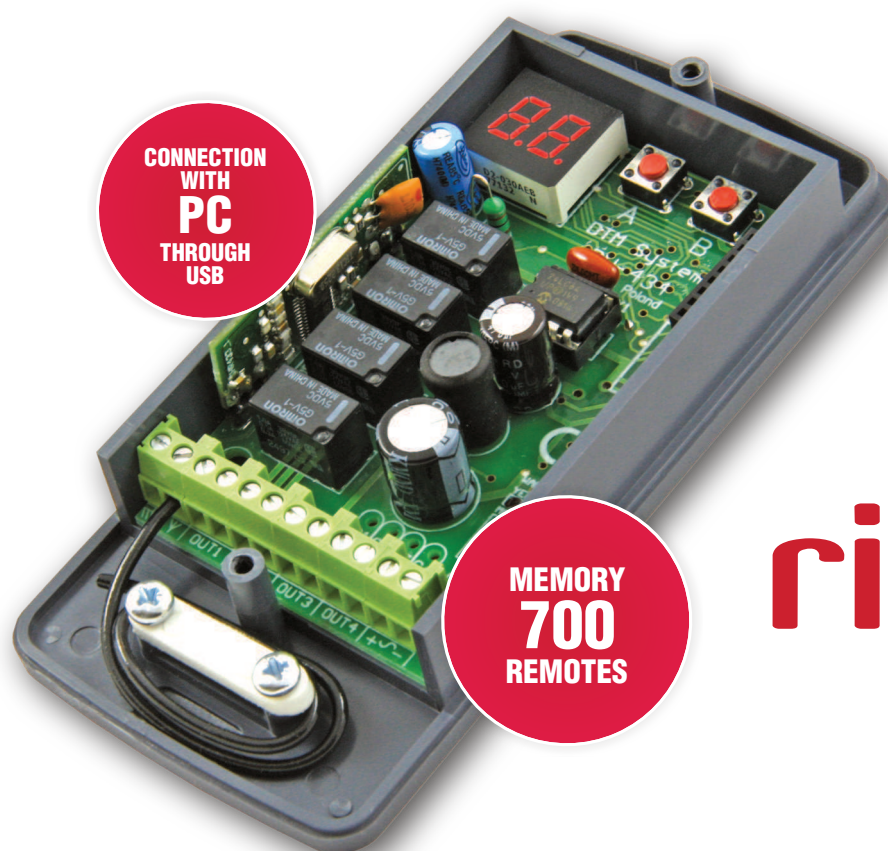
Remotes

Gate
Controllers

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Control



CONNECTION
WITH
PC
THROUGH
USB

MEMORY
700
REMOTES

rival

434

available versions:

dtm
433 MHz

dtm
433 MHz
MULTI



- advanced features and easy programming through LED display
- the ability to delete any remote control
- four separated NO relay outputs
- PIN code protection against interference by third parties
- compatible with DTM433MHz series devices

One of the well-equipped receivers of DTM433MHz series. A multitude of programmable functions and four NO outputs allow building complex radio control systems. The receiver can control gate, lighting and many other devices according to the customer's needs.



rival
434

4-channel receiver

➤ Basic parameters

power supply: 12...24VAC/DC±10%
 maximum power consumption: 120mA
 memory capacity: 700 remote controls with an individual number in memory. Remotes of DTM433MHz series, and in the MULTI version, in addition almost all remotes operating in the KeeLoq® system
 operating temperature (min./max.): -20°C / +55°C
 the dimensions of the receiver's board (width x depth x height): 46x80x21mm
 external dimensions of the housing (width x depth x height): 55x27,5x118mm
 assembly method: inside or outside, plastic housing, IP-53
 weight: 90g

➤ Outputs

relay outputs
 (type / quantity / maximum load): NO / 4 / 1A (24VAC/DC)
 operating modes: monostable, bistable or momentary
 regulation of turn-on time
 in monostable mode: 0,1s to 107min with an accuracy of 0,1s

➤ Radio parameters

radio module: integrated, superheterodyne
 transmission security: 64-bit KeeLoq®
 type of modulation / frequency: OOK / 433,92MHz
 antenna input impedance: 50Ω
 antenna: internal antenna, terminals for connecting an external antenna

➤ Functionality

standard user interface: interface implemented on a two-digit seven-segment LED display and two buttons that support a simple menu of a tree structure
 computer user interface: friendly software running in the Windows® environment, connection with a computer via the USB interface.
 functions available from the PC: full functionality of the receiver, in addition, the ability to create backup copies and use the receiver as an online event recorder
 blocking access to the program menu: yes, PIN code
 configuration of remote control: the ability to assign any of the four receiver channels to any button
 the ability to delete all memory: Yes
 the ability to delete a single remote control: yes, even without its presence
 blocking access for selected remotes: Yes
 possibility to enter the remote control without access to the receiver buttons: yes, the function of easy remote adding
 protection against accidental pressing the remote control button: yes, the function of double pressing the remote control button
 blocking the easy remote adding function: Yes
 copy function of remote's settings from remote control no. 001: Yes
 copying the memory: yes, using the B700 module
 the possibility of transferring the memory to another receiver: yes, EEPROM memory fixed in the stand

➤ available accessories: USB interface to connect the receiver to a PC, along with software; module B700 for copying memory

Radio
Receivers

Remotes

Gate
Controllers

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Accessories

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Motors

Access
Control



**MEMORY
700
REMOTES**

DIN434-12

- four separate channels
- PIN code protects the receiver from unauthorized access
- power supply 12V AC/DC
- editing the remote without his physical presence
- advanced capabilities and easy programming with LED display
- component of DTM433MHz series

DIN434-12 is an advanced four-channel receiver. Designed to work with gate controllers, shutters, and other automation devices. It is very simple to operate with a multitude of available features. It is equipped with microUSB connector, so it is possible to program from the computer. The receiver is perfect for both large and simple installations.



DIN434-12

4-channel receiver

► Basic parameters

power supply: 12V AC/DC $\pm 10\%$
 max power consumption: 180mA (relays on)
 memory capacity: 700 DTM433MHz remotes, MULTI version additionally almost all KeeLoq® remotes
 operating temperature (min./max): -20 °C / +55 °C
 electronic plate dimensions (W x D x H): 70 (4)x89x65mm
 mounting: DIN
 housing: plastic
 weight: 140g

► Executive elements

relay outputs
 (type/number/maximum load): NO or NC / 4 / 1A (24V AC/DC)
 Output modes: Monostable, bistable or momentary
 Output hold time adjustment
 in monostable mode: 0.1s to 6553.5s (about 110 minutes) with a resolution of 0.1s

► Radio parameters

radio module: integrated, superheterodyne
 transmission protection: 64-bit KeeLoq®
 modulation / frequency: OOK / 433,92MHz
 input impedance of the antenna: 50Ω
 antenna: rod antenna, terminals for connecting an external antenna

► Functionality

user interface: hardware interface on two-digit LED display and two buttons that support a simple menu
 PIN code: access lock to receiver menu
 adding the remote without access
 to receiver buttons: easy remote adding function with the ability to lock or unlock the function
 verification of remotes in the receiver's memory: function showing the number of added remotes
 remote configuration: the ability to assign any of the four receiver channels to any button
 editing the remote: possibility to edit remote control settings without its physical presence
 protection against accidental pressing: double-click function
 EEPROM memory on stand: possibility to move memory to another receiver
 copying remote settings: settings copying from remote no. 001
 copying memory: from a computer or by B700 module

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automation systems

UVR-2 2-channel radio receiver



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**POWER
SUPPLY
230V**

UVR2

available versions:

dtm
433 MHz



dtm
433 MHz

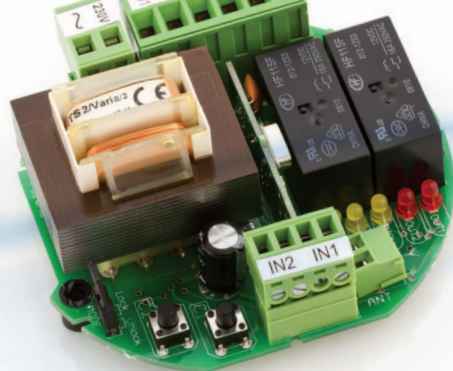


MULTI



- remote and manual control
- advanced and simple programming
- maximum output load 16A/230VAC
- compatible with DTM433MHz series remotes

UVR-2 is a compact, two-channel radio receiver designed to work with 230VAC supplied devices. It provides a simple and inexpensive way to expand the functionality of the home and gate automation with remote control. Small housing allows to mount receiver in plastic box.



UVR2

2-channel radio receiver

➤ Basic parameters

power supply: 230VAC $\pm 10\%$
power consumption: 5VA
memory: 35 remotes
operating temperature (min./max.): $-20^{\circ}\text{C}/+55^{\circ}\text{C}$
external dimensions (width x depth x height): 89x89x52mm
mounting: installation box, IP54
weight: 170g

➤ Executive elements

relay output
(type / maximum load): NO or NC / 2/16A (230VAC)
output mode: monostable, bistable or momentary
monostable mode
hold time: 0,5s; from 1s to 127s every 1s, and from 1min to 127min every 1min
manual control input: 2NO type

➤ Radio parameters

radio module: integrated, superheterodyne
transmission safety: 64-bit Keeloq®
modulation / frequency: OOK/433,92MHz
antenna impedance: 50Ω
antenna: wire

➤ Functionality

user interface: based on two buttons and six LEDs
remote configuration: ability to assign any button to receiver
ability to register remotes
without access to receiver button: easy remote registering function
ability to delete single remote: yes, remote presence required
verifying number of registered remotes: yes

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Control



**MOUNTING
IN INSTALLATION
BOX**

**POWER
SUPPLY
230V**

miniUVR

- remote and manual control
- advanced and simple programming
- maximum output load 3A/230VAC
- compatible with DTM433MHz series remotes

MiniUVR is a compact, one-channel radio receiver designed to work with 230VAC supplied devices. It provides a simple and inexpensive way to expand the functionality of the home and gate automation with remote control. Small housing allows to mount receiver in installation box.

available versions:





miniUVR

1-channel radio receiver

➤ Basic parameters

power supply: 230VAC $\pm 10\%$
power consumption: 1W
memory: 35 remotes
operating temperature (min./max.): $-20^{\circ}\text{C}/+55^{\circ}\text{C}$
external dimensions (width x depth x height): 44x37x22mm
mounting: installation box
weight: 42g

➤ Executive elements

relay output
(type / maximum load): NO or NC/3A/230VAC
output mode: monostable, bistable or momentary
monostable mode
hold time: 0,5s; from 1s to 127s every 1s, and from 1min to 127min every 1min
manual control input: NO type

➤ Radio parameters

radio module: integrated, superheterodyne
transmission safety: 64-bit Keeloq®
modulation / frequency: OOK/ 433,92MHz
antenna impedance: 50Ω
antenna: wire

➤ Functionality

user interface: based on two buttons and five LEDs
remote configuration: ability to assign any button to receiver
ability to register remotes
without access to receiver button: easy remote registering function
ability to delete single remote: yes, remote presence required
verifying number of registered remotes: yes

Radio
Receivers

Remotes

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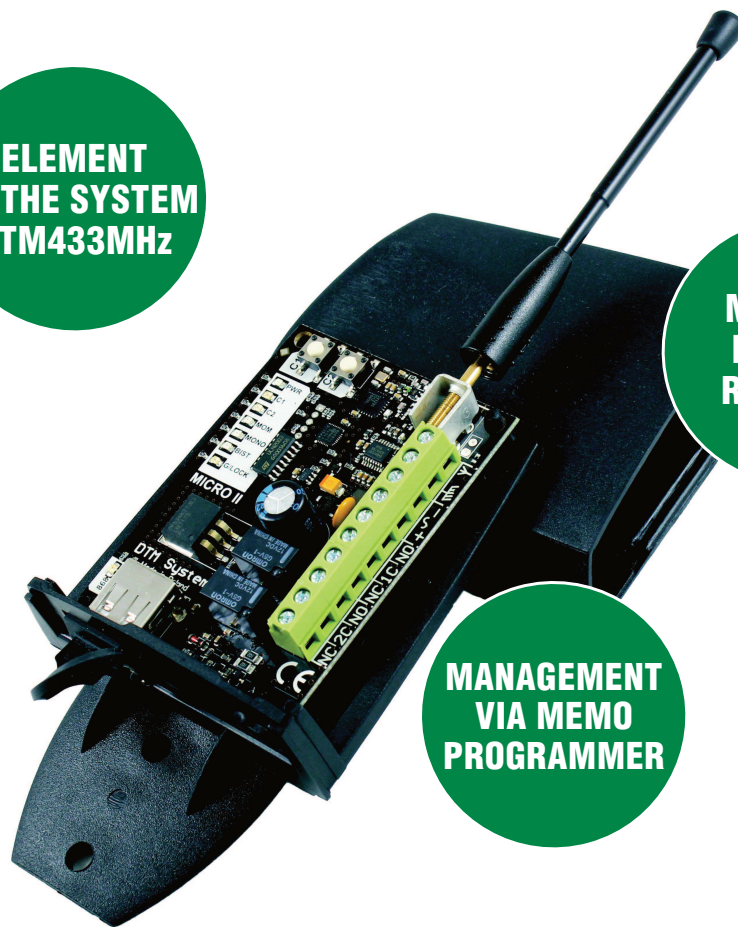
- programming remotes in the office
- self-activation by the user
- 65 000 installations with a unique code



**ELEMENT
OF THE SYSTEM
DTM433MHz**

**MEMORY
FOR 200
REMOTES**

**MANAGEMENT
VIA MEMO
PROGRAMMER**

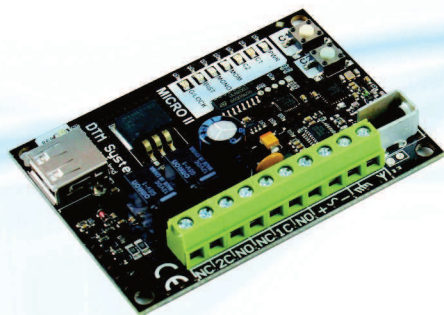


MICRO II

- 868 -

- service lock
- splash-proof housing with an external antenna
- power supply 12...24V AC/DC

Simple programming and expanded possibilities of this 2-channel external receiver are ideally suited for remote control of gate automation and other devices, according to customer needs.



MICRO II

- 868

2- channel radio receiver

➤ Basic parameters

power supply: 12...24VAC/DC
 max power consumption: 100mA
 memory capacity: 200 remotes of DTM868MHz
 operating temperature (min./max): -20°C/+55°C
 electronic plate dimensions
 (W x D x H): 79x57x18mm
 housing external dimensions: 98(plus 40 housing holder)x79x33mm
 mounting: splash-proof plastic housing, IP-53
 weight: 125g

➤ Executives elements

relay outputs
 (type/number/maximum load): NO or NC / 2 / 1A (24VAC/DC)
 Output modes: monostable, bistable or momentary
 Output hold time adjustment
 in monostable mode: 0.5 s, from 1 to 127s with a resolution of 1 second, and from 1 minute to 127min with a resolution of 1min

➤ Radio parameters

radio module: modern, digital, superheterodyne with intelligent adaptation to external radio conditions, high reliability, repeatability and optimum sensitivity
 transmission protection: 104-bit IRS
 modulation / frequency: FSK / 868MHz
 input impedance of the antenna: 50 Ω
 antenna: rod antenna, terminals for connecting an external antenna

➤ Functionality

user interface: hardware interface with seven LED's and two buttons, simple menu
 remote configuration: the ability to assign any of the two channels to any remote button
 deleting single remote: necessity of having deleted remote
 adding remote without access
 to receiver buttons: easy remote registering function with the ability to lock and unlock the function, Galactic function - allows adding remotes programmed and configured outside the installation
 service lock: ability to deactivate the operation of remotes entered into receiver
 management of the receiver: using receiver buttons and by connecting MEMO programmer
 number of remotes in memory verification: function show the number of added remotes

Radio
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NEW!

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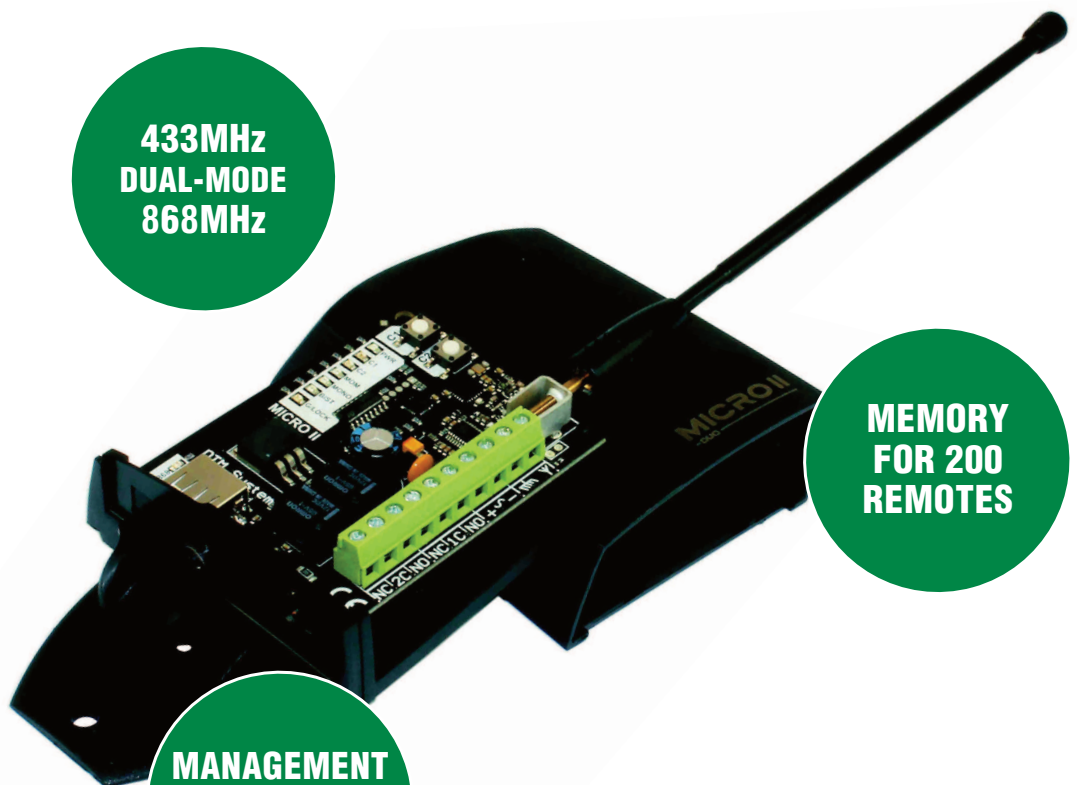
- programming remotes in the office
- self-activation by the user
- 65 000 installations with a unique code



**433MHz
DUAL-MODE
868MHz**

**MANAGEMENT
BY MEMO
PROGRAMMER**

**MEMORY
FOR 200
REMOTES**

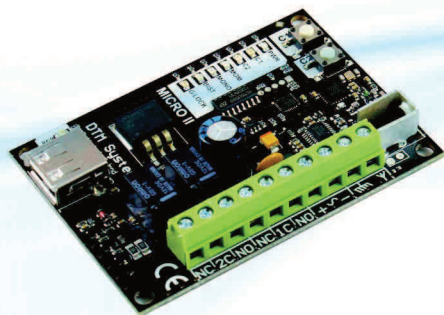


MICRO II

-DUO-

- service lock
- splash-proof housing with an external antenna
- power supply 12...24V AC/DC

Simple programming and expanded possibilities of this 2-channel external receiver are ideally suited for remote control of gate automation and other devices, according to customer needs.



MICRO II

- DUO

2- channel radio receiver

➤ Basic parameters

power supply: 12...24VAC/DC
 max power consumption: 100mA
 memory capacity: 200 remotes of DTM433MHz and/or DTM868MHz
 operating temperature (min./max): -20°C/+55°C
 electronic plate dimensions
 (W x D x H): 79x57x18mm
 housing external dimensions: 98(plus 40 housing holder)x79x33mm
 mounting: splash-proof plastic housing, IP-53
 weight: 125g

➤ Executive elements

relay outputs
 (type/number/maximum load): NO or NC / 2 / 1A (24VAC/DC)
 Output modes: monostable, bistable or momentary
 Output hold time adjustment
 in monostable mode: 0.5 s, from 1 to 127s with a resolution of 1 second, and from 1 minute to 127min with a resolution of 1min

➤ Radio parameters

radio module: modern, digital, superheterodyne with intelligent adaptation to external radio conditions, high reliability, repeatability and optimum sensitivity
 transmission protection: 64-bit Keeloq® and 104-bit IRS
 modulation / frequency: OOK / 433,92Mhz and FSK / 868MHz
 input impedance of the antenna: 50 Ω
 antenna: rod antenna, terminals for connecting an external antenna

➤ Functionality

user interface: hardware interface with seven LED's and two buttons, simple menu
 remote configuration: the ability to assign any of the two channels to any remote button
 deleting single remote: necessity of having deleted remote
 adding remote without access
 to receiver buttons: easy remote registering function with the ability to lock and unlock the function, Galactic function - allows adding remotes programmed and configured outside the installation
 service lock: ability to deactivate the operation of remotes entered into receiver
 management of the receiver: using receiver buttons and by connecting MEMO programmer
 number of remotes in memory verification: function show the number of added remotes

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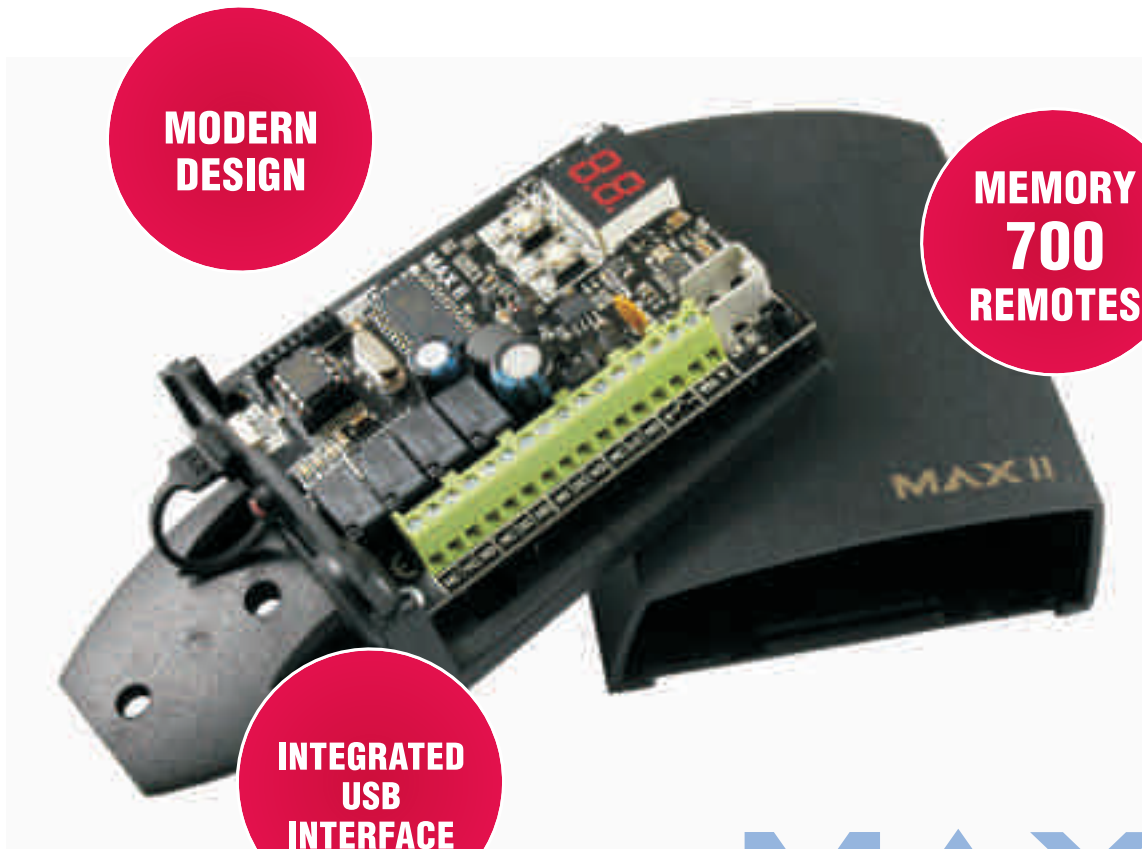




**MODERN
DESIGN**

**MEMORY
700
REMOTES**

**INTEGRATED
USB
INTERFACE**



MAX II

- four separate channels
- PIN code protects the receiver from unauthorized access
- power supply 12...24V AC/DC
- editing the remote without his physical presence
- advanced capabilities and easy programming with LED display
- component of DTM433MHz series

MAX2 is an advanced four-channel receiver. Designed to work with gate controllers, shutters, and other automation devices. It is very simple to operate with a multitude of available features. It is equipped with microUSB connector, so it is possible to program from the computer. The receiver is perfect for both large and simple installations.



MAX II

4-channel radio receiver

➤ Basic parameters

power supply:	12 ... 24V AC/DC ± 10%
max power consumption:	120mA (relays on)
memory capacity:	700 DTM433MHz remotes, MULTI version additionally almost all KeeLoq® remotes
operating temperature (min./max):	-20 °C / + 55 °C
electronic plate dimensions (W x D x H):	79x57x18mm
housing external dimensions:	98 (plus 40 housing holder) x 79x33mm
mounting:	outside or in other devices enclosures
housing:	plastic, splash proof IP-53
weight:	120g

➤ Executive elements

relay outputs	
(type/number/maximum load):	NO or NC / 4 / 1A (24V AC/DC)
Output modes:	Monostable, bistable or momentary
Output hold time adjustment	
in monostable mode:	0.1s to 6553.5s (about 110 minutes) with a resolution of 0.1s

➤ Radio parameters

radio module:	integrated, superheterodyne
transmission protection:	64-bit KeeLoq®
modulation / frequency:	OOK / 433,92MHz
input impedance of the antenna:	50Ω
antenna:	rod antenna, terminals for connecting an external antenna

➤ Functionality

user interface:	hardware interface on two-digit LED display and two buttons that support a simple menu
computer user interface:	USB PROGRAMMER software operating in Windows® environment, connection to PC with microUSB cable, receiver connector is available through a special hole located at the bottom of the enclosure
features available from PC:	full functionality of the receiver with the additional possibility of backing up and using the receiver as an on-line event logger
PIN code:	access lock to receiver menu
adding the remote without access	
to receiver buttons:	easy remote adding function with the ability to lock or unlock the function
verification of remotes in the receiver's memory:	function showing the number of added remotes
remote configuration:	the ability to assign any of the four receiver channels to any button
editing the remote:	possibility to edit remote control settings without its physical presence
protection against accidental pressing:	double-click function
EEPROM memory on stand:	possibility to move memory to another receiver
copying remote settings:	settings copying from remote no. 001
copying memory:	from a computer or by B700 module

Radio
Receivers

Remotes

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Radio
Receivers

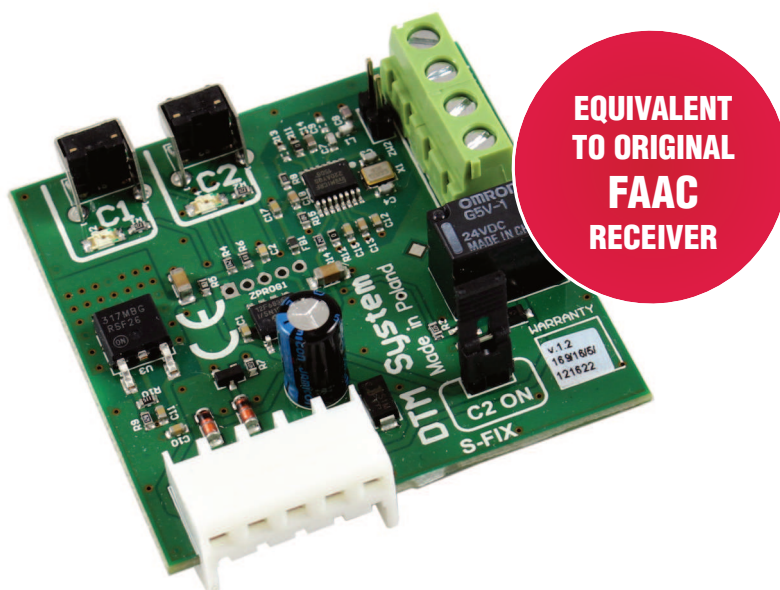
Remotes

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Control



**EQUIVALENT
TO ORIGINAL
FAAC
RECEIVER**

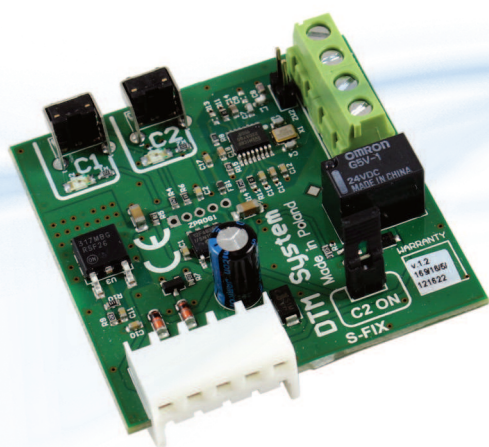
S-FIX

available versions:



- easy installation in the original FAAC gate controllers
- easy programming
- superheterodyne radio receiver with quartz-stabilized reception frequency
- power from the control board through the connector

S-FIX radio card is designed for FAAC gate controllers. It is compatible with DTM433MHz remote controls and almost all remotes operating in the KeeLoq® system.



S-FIX

2-channel radio card for gate controllers

➤ Basic parameters

power supply: via gate controller
 maximum power consumption: 12mA
 memory capacity: 35 remote controls with an individual number in memory. Remotes of DTM433MHz series and almost all remotes operating in the KeeLoq® system
 operating temperature (min./max.): -20°C / +55°C
 external dimensions (W x H x H): 51x51x20mm
 assembly method: through mainboard connector
 weight: 24g

➤ Outputs

open collector outputs - OC
 (type / quantity / maximum load): NO / 2 / 50mA, channel 2 doubled with NO contact relay 1A / 30V DC, led out on the screw connection
 output operation mode / time: monostable / 0,5 sec.

➤ Radio parameters

radio module: integrated, superheterodyne
 transmission security: 64 - bit KeeLoq®
 type of modulation / frequency: OOK / 433,92 MHz
 antenna input impedance: 50 Ω
 antenna: internal antenna, terminals for connecting an external antenna

➤ Functionality

user interface: interface on two LEDs and two buttons
 configuration of the remote: the ability to assign any of the two receiver channels to any button
 the ability to delete all memory: yes
 the ability to delete a single remote control: yes, deleted remote control presence necessary
 possibility to add the remote control without access to the receiver buttons: yes, the function of easy remote adding - available only for DTM433MHz remotes
 blocking the easy remote control adding function: yes

Radio
Receivers

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Radio
Receivers

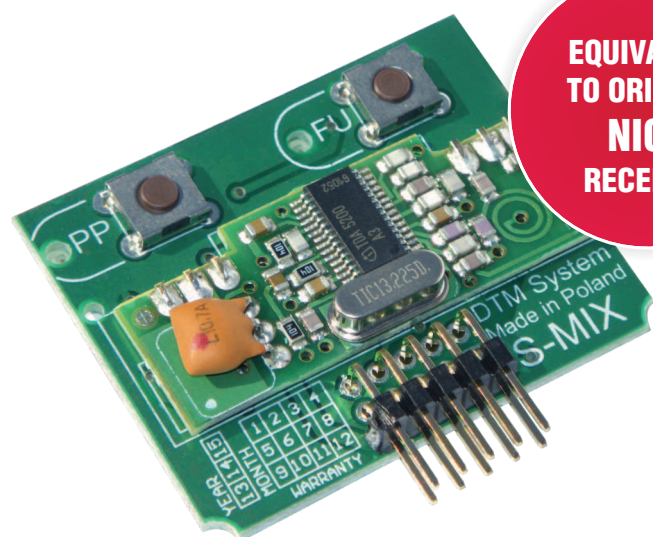
Remotes

Gate
Controllers

Gate
Automation
Accessories

Gate
Motors

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Control



EQUIVALENT
TO ORIGINAL
NICE
RECEIVER

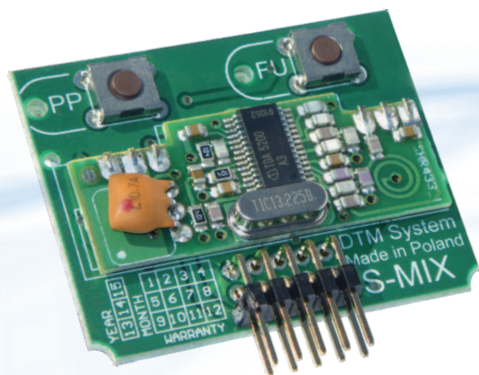
S-MIX

available versions:



- easy installation in the original NICE gate controllers
- easy programming
- superheterodyne radio receiver with quartz-stabilized reception frequency
- power from the control board through the connector

S-MIX radio card is designed for NICE gate controllers. It is compatible with DTM433MHz remote controls and almost all remotes operating in the KeeLoq® system.



S-MIX

2-channel radio card for gate controllers

➤ Basic parameters

power supply: via gate controller
 maximum power consumption: 15mA
 memory capacity: 35 remote controls with an individual number in memory. Remotes of DTM433MHz series and almost all remotes operating in the KeeLoq® system
 operating temperature (min./max.): -20°C / +55°C
 external dimensions (W x H x H): 42x33x10mm
 assembly method: through mainboard connector
 weight: 9g

➤ Outputs

open collector outputs - OC
 (type / quantity / maximum load): NO/2/50mA
 output operation mode / time: monostable / 0,5 sec.

➤ Radio parameters

radio module: integrated, superheterodyne
 transmission security: 64-bit KeeLoq®
 type of modulation / frequency: OOK / 433,92 MHz
 antenna input impedance: 50 Ω
 antenna: internal antenna, terminals for connecting an external antenna

➤ Functionality

user interface: interface on two LEDs and two buttons
 configuration of the remote: the ability to assign any of the two receiver channels to any button
 the ability to delete all memory: yes
 the ability to delete a single remote control: yes, deleted remote control presence necessary
 possibility to add the remote control without access to the receiver buttons: yes, the function of easy remote adding - available only for DTM433MHz remotes
 blocking the easy remote control adding function: yes

Radio
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Radio
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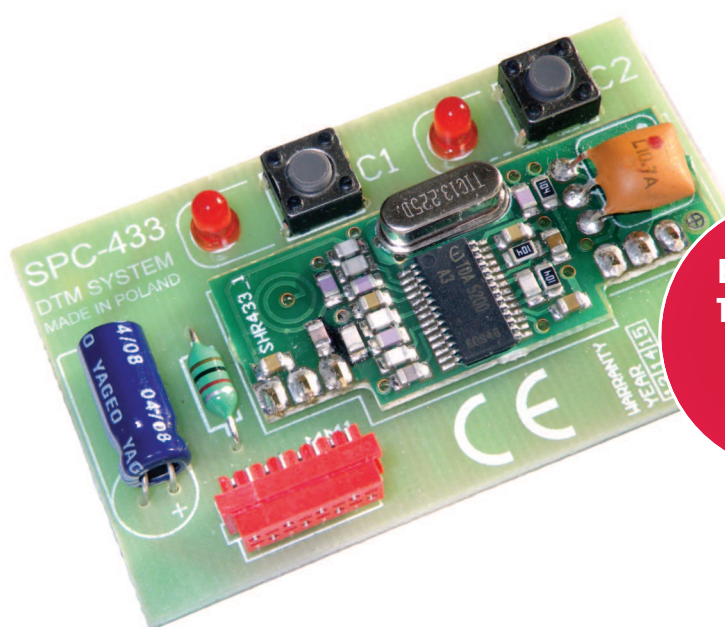
Remotes

Gate
Controllers

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Automation
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EQUIVALENT
TO ORIGINAL
CAME
RECEIVER

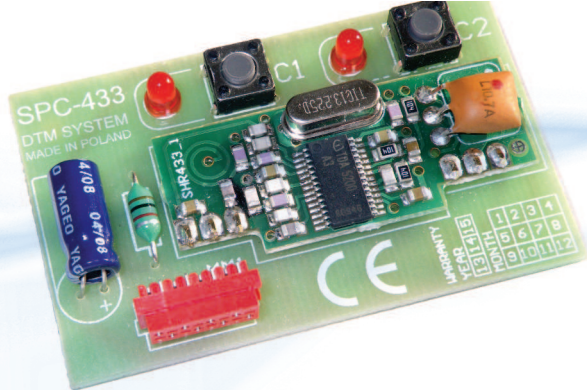
SPC-433

available versions:



- easy installation in the original CAME gate controllers
- easy programming
- superheterodyne radio receiver with quartz-stabilized reception frequency
- power from the control board through the connector

SPC-433 radio card is designed for CAME gate controllers. It is compatible with DTM433MHz remote controls and almost all remotes operating in the KeeLoq® system.



SPC-433

2-channel radio card for gate controllers

➤ Basic parameters

power supply: via gate controller
 maximum power consumption: 15mA
 memory capacity: 35 remote controls with an individual number in memory. Remotes of DTM433MHz series and almost all remotes operating in the KeeLoq® system
 operating temperature (min./max.): -20°C/+55°C
 external dimensions (W x H x H): 54x33x10 mm
 assembly method: through mainboard connector
 weight: 10g

➤ Outputs

output mode / quantity: digital output/1

➤ Radio parameters

radio module: integrated, superheterodyne
 transmission security: 64-bit KeeLoq® practically 100% resistant to intrusion by radio - only remote controls DTM433MHz
 type of modulation / frequency: OOK/433,92MHz
 antenna input impedance: 50Ω
 antenna: internal antenna, terminals for connecting an external antenna

➤ Functionality

user interface: interface on two LEDs and two buttons
 configuration of the remote: the ability to assign any of the two receiver channels to any button
 yes
 the ability to delete all memory: yes, deleted remote control presence necessary
 the ability to delete a single remote control:
 possibility to add the remote control yes, the function of easy remote adding - available only for DTM433MHz
 without access to the receiver buttons: remotes
 blocking the easy remote control adding function: yes

Odbiorniki
zdalnego
sterowania

Nadajniki
zdalnego
sterowania

Sterowniki
do automatyki
bramowej

Akcesoria
do automatyki
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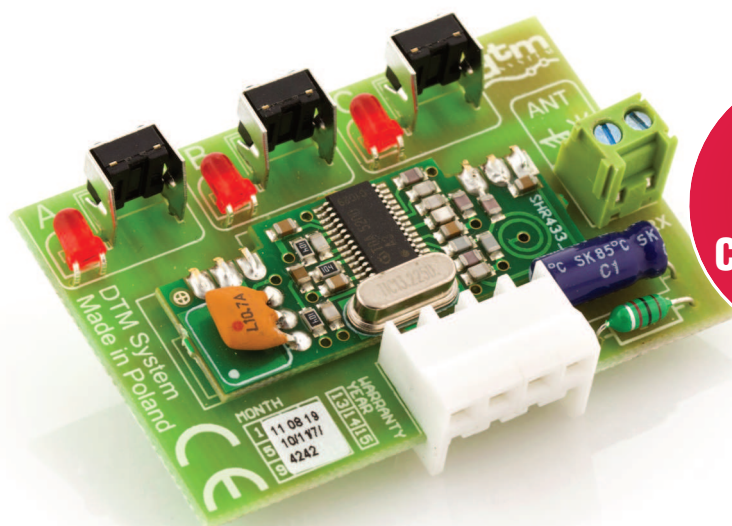
Remotes

Gate
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Control



**FOR EASY
GATE
CONTROLLER**

EasyRX

available versions:

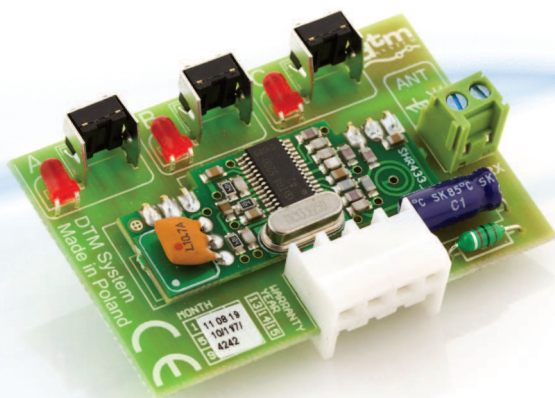
dtm
433 MHz

dtm
433 MHz
MULTI



- easy installation
- simple programming
- superheterodyne radio receiver with quartz-stabilized reception frequency
- power from the control board through the connector
- compatible with DTM433MHz

EASYRX radio card is designed to implement the radio control on the motherboard of the EASY gate controllers.



EasyRX

radio card

➤ Basic parameters

- power supply: via gate controller
- max power consumption: 15mA
- memory: 35 remote controls with an individual number in memory. Remotes of DTM433MHz series, and in the MULTI version, in addition almost all remotes operating in the KeeLoq® system
- operating temperature (min./max): -20°C/+55°C
- card external dimensions: 55x40x13mm
- assembly: through mainboard connector
- weight: 10g

➤ Outputs

- relay output: digital output/1

➤ Radio parameters

- radio module: integrated, superheterodyne, ensuring high reliability, repeatability and resistance to radio interference
- transmission protection: 64-bit KeeLoq®
- modulation / frequency: ASK / 433,92MHz
- impedance of antenna: 50Ω
- antenna: internal antenna, terminals for connecting an external antenna

➤ Functionality

- user interface: interface on three LEDs and three buttons
- remote configuration: the ability to assign any of the three receiver channels to any button
- deleting single remote: yes
- adding remote without access
 - to receiver buttons: yes, the presence of deleted remote necessary
- verifying the number of remotes in memory: yes, the function of easy adding the remote control

Radio
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automation systems

TRX 2-channel radio card for SWIFT gate controller



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Radio
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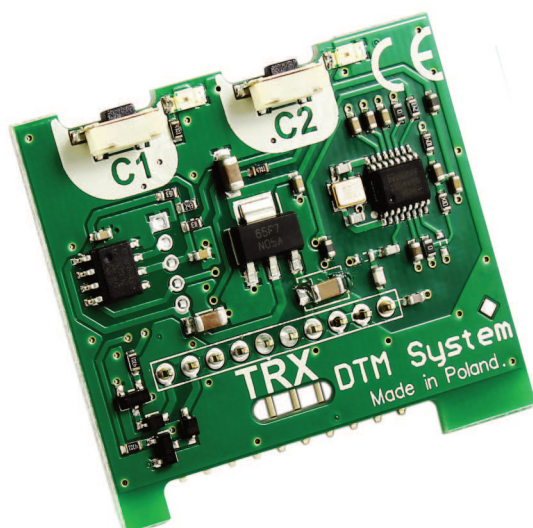
Remotes

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Controllers

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Access
Control



**FOR
SWIFT GATE
CONTROLLER**

TRX

available versions:

dtm
433 MHz



dtm
433 MHz
MULTI



- easy to install
- simple programming
- power supply from the controller
- compatible with DTM433MHz

TRX radio card is designed for SWIFT control boards. It allows to operate two channels and 35 DTM433MHz remote controls.



TRX

radio card for gate controller

➤ Basic parameters

power supply: from the control board
max power consumption: 15mA
memory: 35 remote controls with an individual number in memory. Remotes of DTM433MHz series, and in the MULTI version, in addition almost all remotes operating in the KeeLoq® system
operating temperature (min./max): -20°C/+55°C
card external dimensions: 43x38x8mm
assembly: through the motherboard connector
weight: 7g

➤ Outputs

relay output: 2 open collector outputs

➤ Radio parameters

radio module: integrated, superheterodyne, ensuring high reliability, repeatability and resistance to radio interference
transmission protection: 64-bit KeeLoq®
modulation / frequency: OOK / 433,92MHz

➤ Functionality

user interface: interface on two LEDs and two buttons
remote configuration: the ability to assign any receiver channel to any button
deleting single remote: deleted remote presence necessary
adding remote without access to receiver buttons: possibility of adding the remote control without access the receiver buttons
verifying the number of remotes in memory: function of showing the number of entered remotes

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GALACTIC

Save Time & Money

- programming remotes in the office
- self-activation by the user
- 65 000 installations with a unique code



**200
REMOTES**

**SMALL
DIMENSIONS**



NANO II

-868-

- simple operation
- management via MEMO programmer
- power supply 12...24V AC or DC

NANO2 868 is a 1-channel receiver in a compact housing. It was created for users who value ease of assembly. It is characterized by very simple operation while maintaining high functionality. It is equipped with a USB connector to manage remotes working in DTM868MHz system. It is designed for cooperation with gate controllers, roller shutters, and other automation devices.



NANO II

-868-

1-channel radio receiver

Basic parameters

power supply: 12...24V AC/DC $\pm 10\%$
max current consumption: 30mA (relay on)
memory: 200 remote controls with an individual number in memory. Cooperation with DTM868MHz remote controls.
operating temperature: $-20^{\circ}\text{C}/+55^{\circ}\text{C}$
external case dimensions (width depth height): 50 (71 with mounting brackets) x 42 x 23mm
mounting: receiver for indoor or inside other automation enclosure mounting, IP-20

Executive elements

relay outputs
(type, number, maximum load): NO / 1 / 1A (24VAC / DC)
output mode: monostable, turn-on time 1s

Radio parameters

radio module: modern, digital, superheterodyne with intelligent adaptation to external radio conditions, high reliability, repeatability and optimum sensitivity
transmission safety: 104-bit IRS
modulation / frequency: FSK / 868MHz
input impedance of antenna: 50Ω
antenna: terminals for connecting an external antenna

Functionality

user interface: clear and simple one-button user interface with built-in LED
remote configuration: the ability to assign any remote control button to the receiver
deleting a single remote: remote control presence needed
possibility to add the remote
without access to receiver button: easy remote control adding function with the ability to lock and unlock the function, Galactic function - allows adding remotes programmed and configured outside the installation
management of the receiver: using receiver button and by connecting MEMO programmer
verification of remote controls in memory: function showing the number of added remote controls

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GALACTIC

Save Time & Money

- programming remotes in the office
- self-activation by the user
- 65 000 installations with a unique code



**SCALE
1:1**

**MINIMUM
SPACE
MAXIMUM
BENEFITS**

**200
REMOTES**

PIKO
868-

- miniature housing
- simple operation
- hole for the cable tie
- 12 ... 24V AC or DC power supply

PIKO 868 is a 1-channel receiver in a miniature housing. It is characterized by a simple operation while maintaining high functionality. Small dimensions allow installation in almost any device, and thanks to the equipment with a cable harness and a hole for the clamp band, the installation runs smoothly and quickly. The receiver is designed for cooperation with gate controllers, roller shutters and other automation devices.



PIKO

868-

1-channel radio receiver

➤ Basic parameters

power supply: 12...24V AC/DC ±10%
max current consumption: 40mA (relay on)
memory: 200 remote controls with an individual number in memory. Cooperation with DTM868MHz remote controls.
operating temperature: -20°C/+55°C
external case dimensions (width depth height): 41x30x19mm
mounting: receiver for indoor or inside other automation enclosure mounting, IP-20

➤ Executive elements

relay outputs
(type, number, maximum load): NO/1/1A (24VAC/DC)
output mode: monostable, turn-on time 1s

➤ Radio parameters

radio module: modern, digital, superheterodyne with intelligent adaptation to external radio conditions, high reliability, repeatability and optimum sensitivity
transmission safety: 104-bit IRS
modulation / frequency: FSK / 868MHz
input impedance of antenna: 50Ω
antenna: factory wire antenna

➤ Functionality

user interface: clear and simple one-button user interface and one LED
remote configuration: the ability to assign any remote control button to the receiver
deleting a single remote: remote control presence needed
possibility to add the remote
without access to receiver button: easy remote control adding function with the ability to lock and unlock the function, Galactic function - allows adding remotes programmed and configured outside the installation
verification of remote controls in memory: function showing the number of added remote controls

Radio
Receivers

Remotes

Gate
Controllers

Gate
Automation
Accessories

Gate
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automation systems

DTM System, ul. Brzeska 7, 87-145 Bydgoszcz, POLAND, tel./fax +48 52 340 15 83, e-mail: dtm@dtm.pl
www.dtm.pl





NEW!

complimentary
IRS variable
rolling code

- 868MHz frequency
- FSK modulation
- customized security solutions **against** radio intrusion
- intelligent adaptation to radio conditions of transmitter and receiver

available versions:

dtm
868 MHz



**COMPONENT OF
DTM868MHz**



**MEMORY
200
REMOTES**

rival
862

- channel switch-on time programming
- two separate NO channels
- power supply 12...24V AC or DC

RIVAL 862 is two channel radio receiver which sets new standards of safety. The usage of modern and innovative technologies allowed to obtain more reliable radio range, IRS coding system protects against radio intrusion. It is designed to work with gate automation controllers and other electronic devices. RIVAL 862 is characterized by clear and simple operation.



rival

862

2-channel radio receiver

➤ Basic parameters

power supply: 12...24V AC/DC $\pm 10\%$
max current consumption: 60mA (relay on)
memory: 200 remotes each with its own number in memory
operating temperature: $-20^{\circ}\text{C}/+55^{\circ}\text{C}$
external case dimensions (width depth height): 48(plus 40 enclosure handle)x42x22mm
external dimensions of receiver plate: 46x80x19mm
case: splash-proof, plastic, IP-53
weight: 42

➤ Executive elements

relay outputs
(type, number, maximum load): NO/2/1A (24VAC/DC)
output mode: monostable, bistable or momentary
output holding time in monostable: 0,5 seconds from 1 to 127 with resolution of 1 second, and from 1 minute to 127 minutes with resolution of 1 minute

➤ Radio parameters

radio module: modern, digital, superheterodyne with intelligent adaptation to external radio conditions, providing high reliability, repeatability and optimum sensitivity
transmission safety: 104-bit IRS
modulation / frequency: FSK / 868MHz
input impedance of antenna: 50 Ω
antenna: connectors for an external antenna

➤ Functionality

user interface: hardware interface with five LEDs and two buttons
remote configuration: ability to assign any of two channels to any button
ability to erase memory: yes
single remote removing: yes, removed remote needed
ability to register remote without access
to receiver button: yes, easy remote registering function
easy remote registering function lock/unlock: yes
verifying number of registered remotes: yes

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NEW!

GALACTIC

Save Time & Money

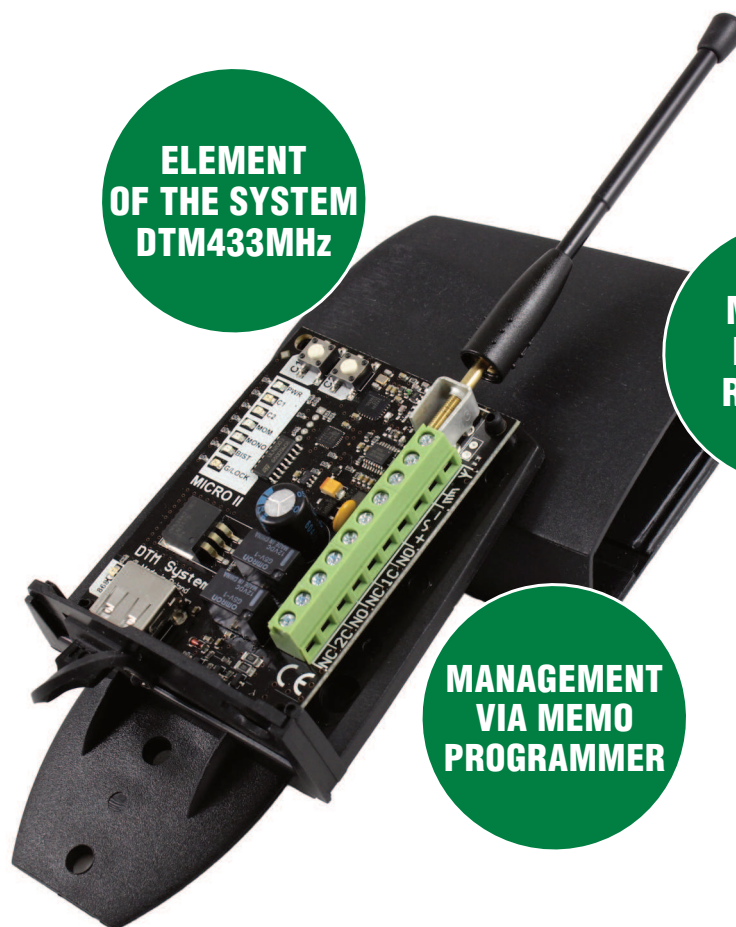
- programming remotes in the office
- self-activation by the user
- 65 000 installations with a unique code



ELEMENT
OF THE SYSTEM
DTM433MHz

MEMORY
FOR 200
REMOTES

MANAGEMENT
VIA MEMO
PROGRAMMER

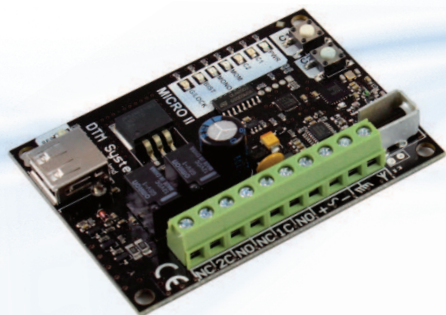


MICRO II

- 868

- service lock
- splash-proof housing with an external antenna
- power supply 12...24V AC/DC

Simple programming and expanded possibilities of this 2-channel external receiver are ideally suited for remote control of gate automation and other devices, according to customer needs.



MICRO II

- 868 -

2- channel radio receiver

➤ Basic parameters

power supply: 12...24VAC/DC
 max power consumption: 100mA
 memory capacity: 200 remotes of DTM868MHz
 operating temperature (min./max): -20°C/+55°C
 electronic plate dimensions
 (W x D x H): 79x57x18mm
 housing external dimensions: 98(plus 40 housing holder)x79x33mm
 mounting: splash-proof plastic housing, IP-53
 weight: 125g

➤ Executive elements

relay outputs
 (type/number/maximum load): NO or NC / 2 / 1A (24VAC/DC)
 Output modes: monostable, bistable or momentary
 Output hold time adjustment
 in monostable mode: 0.5 s, from 1 to 127s with a resolution of 1 second, and from 1 minute to 127min with a resolution of 1min

➤ Radio parameters

radio module: modern, digital, superheterodyne with intelligent adaptation to external radio conditions, high reliability, repeatability and optimum sensitivity
 transmission protection: 104-bit IRS
 modulation / frequency: FSK / 868MHz
 input impedance of the antenna: 50 Ω
 antenna: rod antenna, terminals for connecting an external antenna

➤ Functionality

user interface: hardware interface with seven LED's and two buttons, simple menu
 remote configuration: the ability to assign any of the two channels to any remote button
 deleting single remote: necessity of having deleted remote
 adding remote without access
 to receiver buttons: easy remote registering function with the ability to lock and unlock the function, Galactic function - allows adding remotes programmed and configured outside the installation
 service lock: ability to deactivate the operation of remotes entered into receiver
 management of the receiver: using receiver buttons and by connecting MEMO programmer
 number of remotes in memory verification: function show the number of added remotes

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NEW!

IRS variable rolling code

- frequency **868MHz**
- modulation **FSK**
- customized security solutions
against radio intrusion
- **intelligent adaptation**
to radio conditions
of transmitter
and receiver

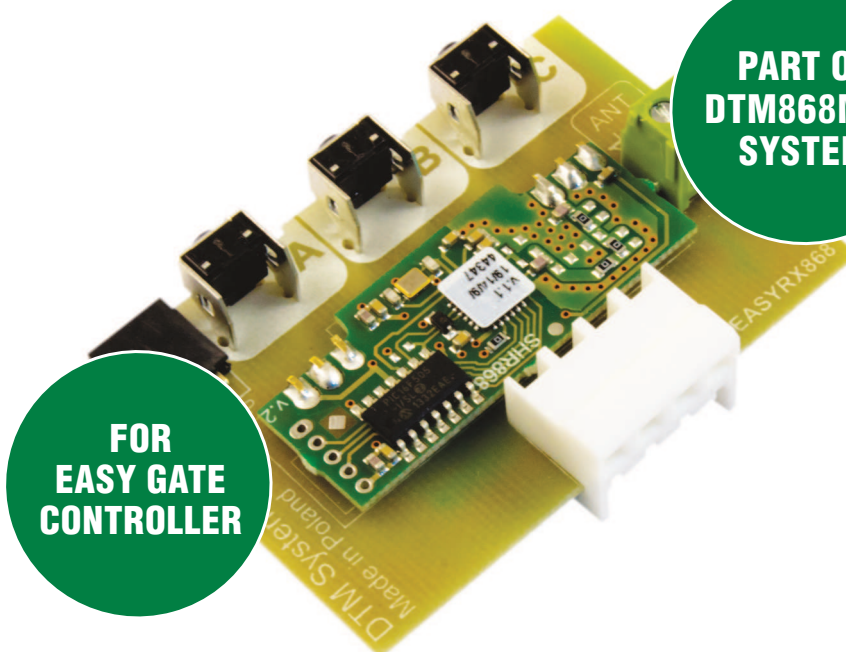
available versions:

dtm
868 MHz



FOR
EASY GATE
CONTROLLER

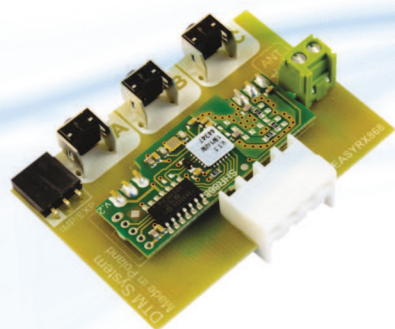
PART OF
DTM868MHz
SYSTEM



EasyRX 868

- easy installation
- simple programming
- power supply via gate controller
- compatible with DTM868MHz remotes

It is a three-channel radio card in the new DTM868MHz system, which sets a new dimension of security. The use of modern technologies has made it possible to obtain a more reliable radio range, and the IRS 104-bit coding system protects the radio system against radio intrusion and unauthorized interference. It is designed for the implementation of radio control to DTM System EASY gate controllers.



EasyRX 868

3-channel radio card for gate controllers

➤ Basic parameters

power supply: via gate controller
memory capacity: 200 DTM868MHz series remote controls with an individual number in memory
operating temperature (min./max.): -20°C/+55°C
external dimensions (W x H x H): 55x40x13mm
assembly method: through mainboard connector
weight: 10g

➤ Outputs

output type / quantity: digital output / 1

➤ Radio parameters

radio module: modern, digital, superheterodyne with intelligent adaptation to external radio conditions, ensuring high reliability, repeatability and optimal sensitivity
transmission security: 104-bit IRS
type of modulation / frequency: FSK / 868MHz
antenna input impedance: 50Ω
antenna: wire antenna, terminals for connecting an external antenna

➤ Functionality

user interface: interface on three LEDs and three buttons
configuration of the remote: the ability to assign any of the two receiver channels to any button
the ability to delete all memory: yes
the ability to delete a single remote control: yes, deleted remote control presence necessary
possibility to add the remote control without access to the receiver buttons: yes, the function of easy remote adding
blocking the easy remote control adding function: yes

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NEW!

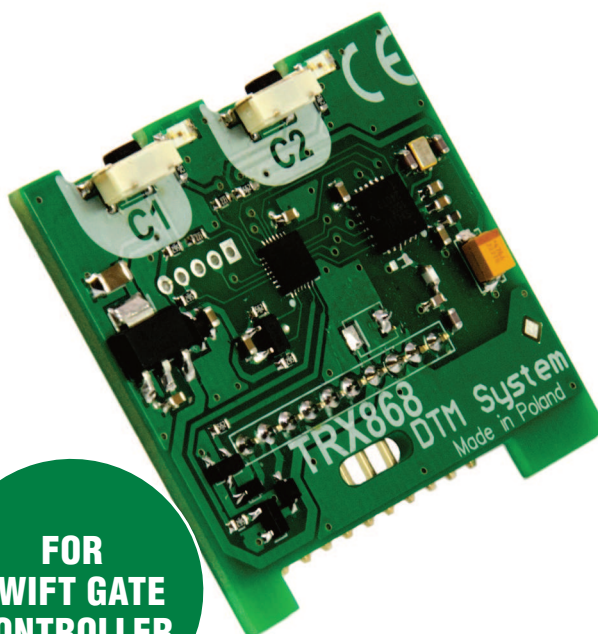
GALACTIC

Save Time & Money

- programming remotes in the office
- self-activation by the user
- 65 000 installations with a unique code



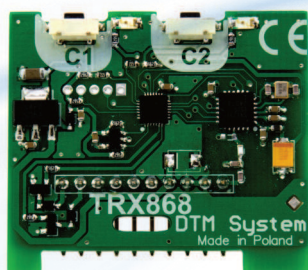
FOR
SWIFT GATE
CONTROLLER



TRX 868

- easy to install
- simple programming
- power supply from the controller
- compatible with DTM868MHz

TRX 868 radio card is designed for SWIFT control boards. It allows to operate two channels and 200 DTM868MHz remote controls.



TRX 868

radio card for gate controllers

Parameters

power supply: from gate controller
 memory: 200 DTM868MHz remotes
 operating temperature (min./max): -20°C/+55°C
 card external dimensions: 43x38x8mm
 mounting: into gate controller via connector
 weight: 7g

Executive elements

relay output: 2 open collector outputs

Radio parameters

radio module: modern, digital, superheterodyne with intelligent adaptation to external radio conditions, high reliability, repeatability and optimum sensitivity
 transmission protection: 104-bit IRS
 modulation / frequency: FSK / 868MHz

Functionality

user interface: hardware interface with two LED's and two buttons, simple menu
 remote configuration: the ability to assign any of the two channels to any remote button
 deleting single remote: necessity of having deleted remote
 adding remote without access to receiver buttons: easy remote registering function with the ability to lock and unlock the function, Galactic function - allows adding remotes programmed and configured outside the installation
 verifying the number of remotes in memory: function shows the number of added remotes

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NEW!

GALACTIC

Save Time & Money

- programming remotes in the office
- unique authentication code
- programmed remote works immediately in accordance with entered settings
- dedicated GSOFT application



**868MHz
433MHz**

**RECEIVER
CONFIGURATION
VIA
THE INTERNET**

**RECEIVER
CONTROL
VIA
SMARTPHONE**

**MEMORY
9 999
REMOTES**

FLEX
-868-

- easy to use with advanced possibilities
- built-in event memory for 50 000 items
- module structure
- component of DTM868MHz

FLEX 868 receiver is a result of our experience in automation industry. It can be used in gate automation, home alarm and other systems. It will work in small and wide area systems. Ability to adjust to changing user's needs, several ways to access receiver management, advanced and intuitive web-based application CloudFLEX, all of these elements give flexibility and convenience that you dreamed of.

➤ Main parameters

power supply:	12...24VAC/DC ±10%
current consumption:	350mA
memory:	9 999 remotes DTM868MHz series, each with own number in memory
event memory:	50 000 items
module structure:	main board, module REL-2 with two additional channels, two channel module REL-2-PWR with increased relays load, WL WiFi card, M2 configuration and event memory module
operating temperature:	-20°C / +55°C
mounting:	splash-proof plastic case IP-54, holes suitable for mounting inside power supply unit housing
external case dimension / external dimension of receiver plate:	72x132x41mm / 58x88x27mm

➤ Actuators

mainboard relay outputs (type number maximum load):	NO or NC / 2 / 1A (24VAC/DC)
additional module relay outputs:	NO or NC / 2 / 1A (24VAC/DC), optional PWR module: NO / 2 / 5A (230VAC)
output mode:	monostable 0,1s to 6553,5s resolution of 0,1s, bistable or momentary
manual-control input:	yes

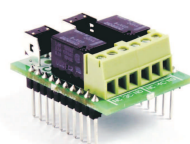
➤ Radio parameters

radio module:	modern, digital, superheterodyne with intelligent adaptation to external radio conditions, providing high reliability, repeatability and optimum sensitivity
transmission safety:	104-bit IRS
modulation / frequency:	FSK / 868MHz
input impedance of antenna:	50Ω
antenna:	wire antenna, terminals for external antenna, optional rod antenna

➤ Functionality

receiver configuration:	manual via receiver buttons and LED display or with the use of Wi-Fi connection and web browser
receiver control:	by remotes, manual control input or smartphone
access authorization:	ability to secure access with PIN code
real time clock:	with battery backup
quick remote registering:	by using receiver C1...C4 buttons
ability to register remote without access to receiver button:	easy remote registering function in receiver radio range or via CloudFlex application
remote configuration:	possible even without remote itself
protection against accidental use:	button dual-press function
memory:	M2 module mounted in the base, ability to transfer memory to other receiver

➤ Accessories



REL-2
output module
2x1A



REL-2-PWR
output module
2x5A



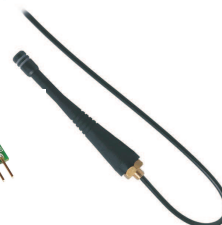
WL
wireless
Wi-Fi card



M2
memory
module



SHR-F433
radio
module



ANT868-OB
868MHz
antenna

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NEW!

GALACTIC

Save Time & Money

- programming remotes in the office
- unique authentication code
- programmed remote works immediately in accordance with entered settings
- dedicated GSOFT application

GALACTIC



**MOUNTING
IN INSTALLATION
BOX**



**POWER
SUPPLY
230V**

miniUVR868

- remote and manual control
- programming remotes outside the installation
- advanced and simple programming
- compatible with DTM868MHz series remotes

MiniUVR868 is a compact, one-channel radio receiver designed to work with 230VAC supplied devices. It provides a simple and inexpensive way to expand the functionality of the home and gate automation with remote control. Small housing allows to mount receiver in installation box.



miniUVR868

1-channel radio receiver

➤ Basic parameters

power supply: 230VAC $\pm 10\%$
power consumption: 1W
memory: 200 remotes
operating temperature (min./max.): $-20^{\circ}\text{C}/+55^{\circ}\text{C}$
external dimensions (width x depth x height): 44x37x22mm
mounting: installation box
weight: 42g

➤ Executive elements

relay output
(type / maximum load): NO or NC/3A/230VAC
output mode: monostable, bistable or momentary
monostable mode
hold time: 0,5s / from 1s to 127s every 1s / from 1min. to 127 min. every 1 min.
manual control input: NO type

➤ Radio parameters

radio module: integrated, superheterodyne
transmission safety: 104-bit IRS
modulation / frequency: FSK/868MHz
antenna: wire

➤ Functionality

user interface: based on two buttons and five LEDs
remote configuration: ability to assign any button to receiver
ability to register remotes
without access to receiver button: easy remote registering function
ability to register remotes
programmed outside the installation: Galactic function
ability to delete single remote: yes, remote presence required
verifying number of registered remotes: yes

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Gate automation
controllers

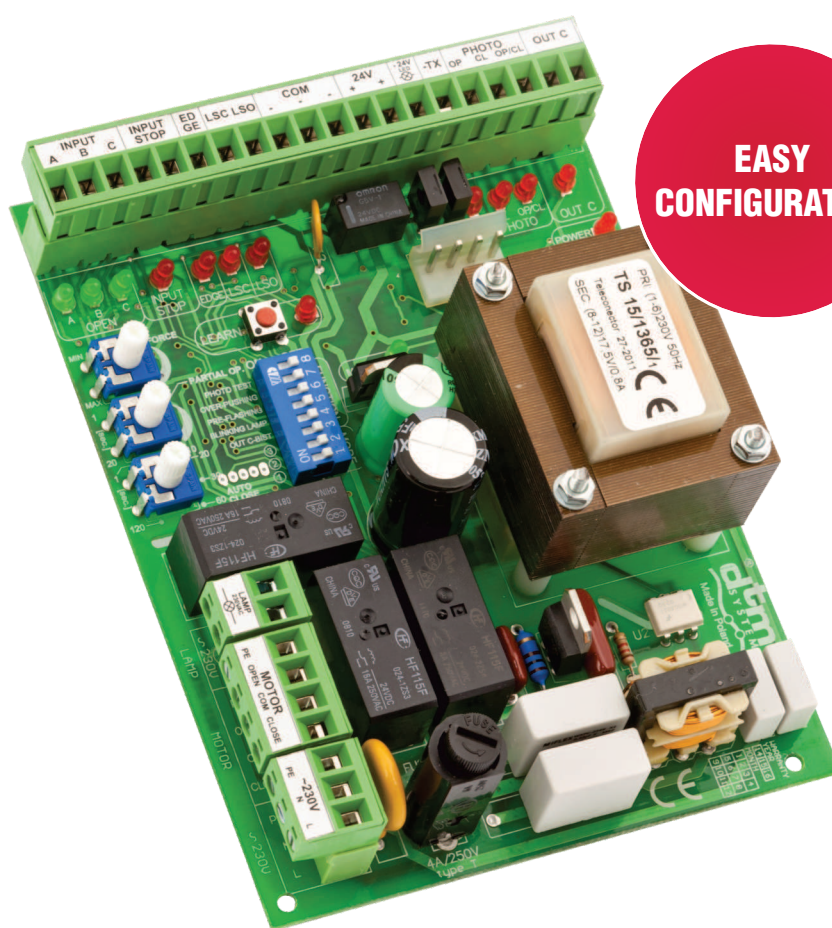


Polish manufacturer
of gate automation

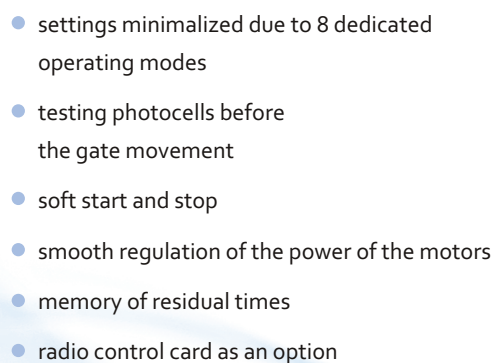
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Gate
automation
controllers

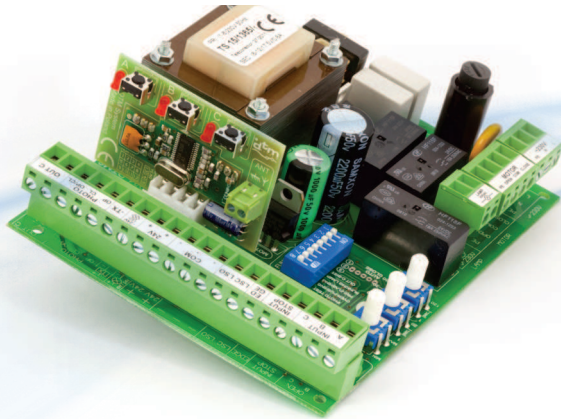
EASY B231-DTM6 gate controller



EASY
B231
DTM6



The basic operation is to control the DTM6 sliding gate motor. It has a very simple user interface that simplifies the start-up process and advanced functional solutions.



EASY B231-DTM6

gate controller

➤ Basic parameters

power supply: 230VAC 50Hz ±10%
 power consumption at rest: 8VA
 operating temperature (min./max.): -20°C/+55°C
 the dimensions of the controller board
 (width x depth x height): 105x140x54mm
 the dimensions of the controller's housing
 (width x depth x height): 182x98x162mm
 assembly method: inside the drive housing
 weight: 0,55kg

➤ Executive elements

output of the actuator (voltage / maximum power)
 built-in capacitor / quantity: 230VAC / 350W / none / 1
 actuator power regulation: electronic via potentiometer
 output of the signal lamp: relay (max 230VAC / 6A) OC type (max 24VDC / 6W)
 output of peripherals (photocells, etc.): 24VDC / 0,5A
 output of photocell transmitters: OC type (see the photocell test function)
 additional output: NO relay contact, max 1A (30V AC / DC), operating in bistable or monostable mode with 4s ON time
 input of LO and LC limit switches: NC type
 EDGE security input: NC type
 photocell input / number: NC type / 3
 manual input OPEN A, OPEN B, OPEN C: NO type
 manual STOP control input: NC type
 regulation of opening, closing and phases
 soft start and stop: max 255s with an accuracy of 1s - learning function
 regulation of pedestrian entry: 1s to 120s using a potentiometer

➤ Functionality

user interface: implemented based on rotary potentiometers, DIP-SWITCH micro switch and LEARN microswitch with LED diode
 the ability to turn off the internal signal
 lamp interrupter: yes
 auto-closing function of the actuator: yes, in the appropriate controller mode
 photo-closing function: yes, with a delay time of 5s, in the appropriate operating mode
 photo test
 (testing of photocells before movement of the gate): yes
 photocell modes: in accordance with the controller's operating mode set
 learning function: two modes (simplified, extended)
 initial activation of the signaling lamp: yes, 5s before the gate movement
 radio control: in option, through the radio connector available on the board
 the pedestrian entry function: yes
 full force at startup: yes

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Radio
Receivers

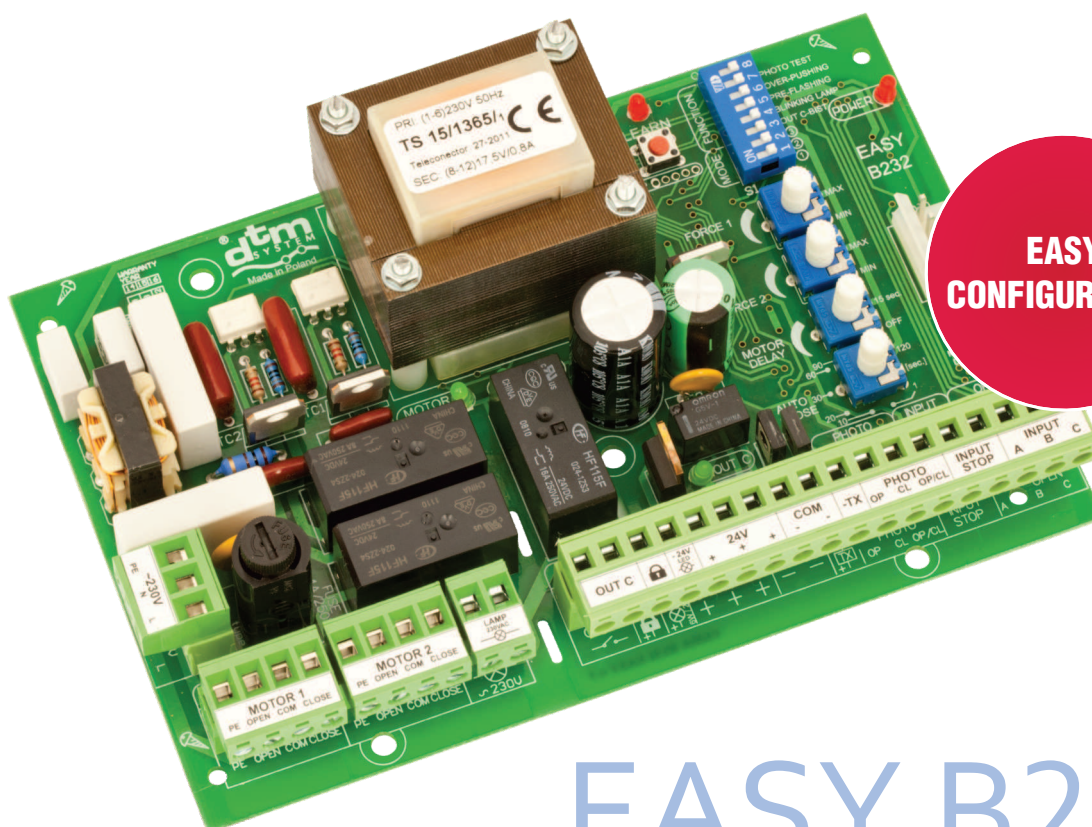
Remotes

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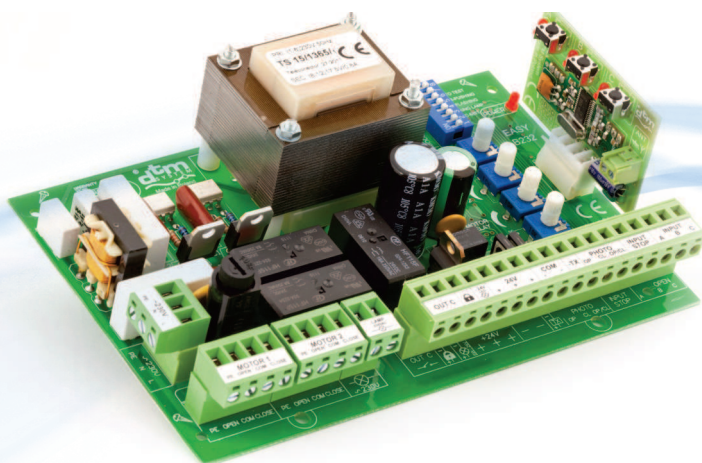
**EASY
CONFIGURATION**

EASY B232



- settings minimized due to 8 dedicated operating modes
- testing photocells before the gate movement
- soft start and stop
- smooth regulation of the power of the motors
- memory of residual times
- radio control card as an option

The basic application is the control of the swing gate motors. The controller has a very simple user interface that greatly simplifies the startup process while having advanced functional solutions.



EASY B232

gate controller

Basic parameters

power supply: 230VAC 50Hz $\pm 10\%$
 power consumption at rest: 8VA
 operating temperature (min./max.): $-20^{\circ}\text{C}/+55^{\circ}\text{C}$
 the dimensions of the controller board
 (width x depth x height): 108x162x54mm
 the dimensions of the controller's housing
 (width x depth x height): 180x95x241mm
 housing: surface-mounted, IP-55
 weight: 1,2kg

Executive elements

output of the actuator (voltage / maximum power)
 built-in capacitor / quantity: 230VAC / 2 x 350W / none / 2
 power regulation of actuators: electronic with potentiometers
 output of the signaling lamp: relay (max 230VAC / 6A) and OC type (max 24VDC / 6W)
 peripheral power output (photocells, etc.): 24VDC / 0,5A
 power supply of photocell transmitters: type OC (see photo test function)
 gate electric-lock output: 12VDC, switched on for 8s at the start of opening
 additional output: relay (potential-free), max. 1A/30VAC/DC, operating in bistable or monostable mode, with 4s turn-on time
 photocell input / number: type NC / 3
 manual input OPEN A, OPEN B, OPEN C: type NO
 manual STOP control input: type NC
 regulation of opening, closing and phases
 soft start and stop: max 255s with an accuracy of 1s - learning function
 regulation of self-closing time: 1s to 120s using a potentiometer
 regulation of the delay time between the wings: 1s to 15s using a potentiometer

Functionality

user interface: implemented based on rotary potentiometers, multiswitch type DIP-SWITCH and LEARN microswitch with LED diode
 the ability to turn off the internal interruption signaling lamp: yes
 auto-closing function: yes, in the appropriate controller mode
 photo-closing function: yes, with a delay time of 5s, in the appropriate operating mode
 photo test (testing of photocells before movement of the gate): yes
 photocell modes: in accordance with the controller's operating mode set
 learning function: two modes (simplified, extended)
 initial activation of the signaling lamp: yes, 5s before the gate movement
 radio control: in option, through the radio connector available on the board
 pedestrian entry function: yes, in the appropriate mode of operation
 full force at the start and push after closing: yes

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Radio
Receivers

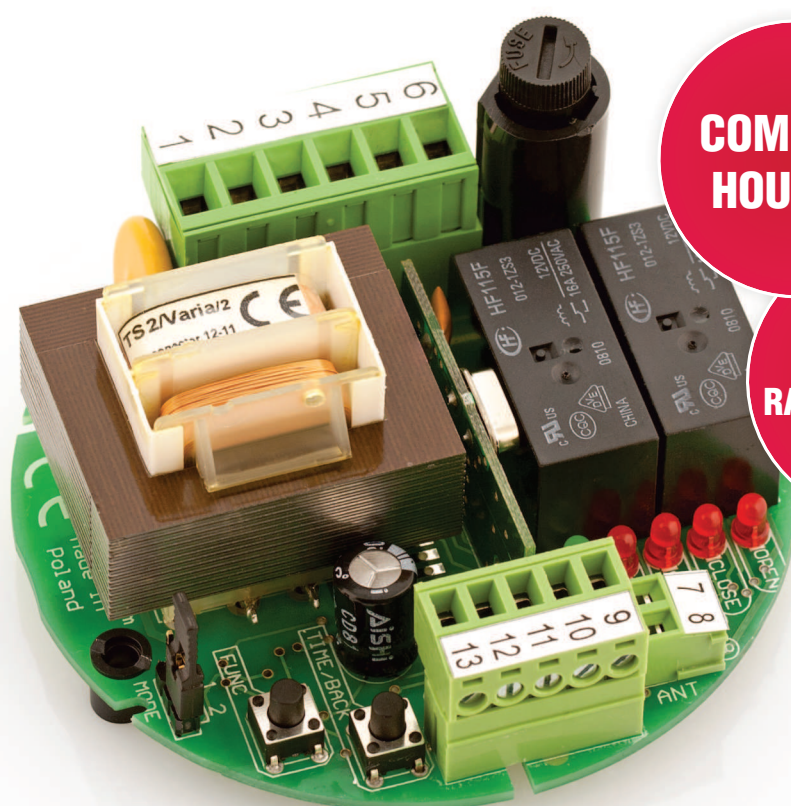
Remotes

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**COMPACT
HOUSING**

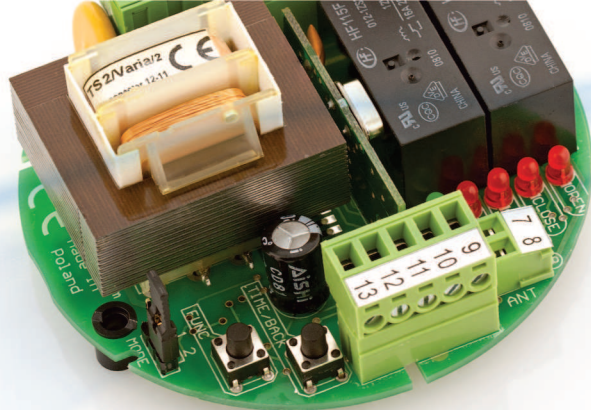
**BUILT-IN
RADIO RECEIVER**

VARIA R230

- radio remote control and manual momentary switch
- flexibility in assigning the controller function to the remote control buttons
- compatible with DTM433MHz series remote controls

The basic application is control of external blinds, awnings, bars, etc.





VARIA R230

roller blind controller

➤ Basic parameters

power supply: 230VAC, 50Hz
 power consumption at rest: 2VA
 remotes memory capacity: 15, each with an individual number in the memory
 operating temperature (min./max.): -20°C / +55°C
 :the dimensions of the controller's housing (width x depth x height): 89x89x52mm (surface-mounted)
 assembly method: surface-mounted housing or installation box with a diameter 88mm and depth 40mm
 weight: 0,17kg

➤ Executive elements

actuator output (voltage / maximum power / built-in capacitor / quantity): 230VAC / 600W / none / 1
 manual control OPEN input (opening and stopping): NO type
 manual control CLOSE input (closing-stop): NO type
 manual control STOP input: NC type
 manual control STEP BY STEP input (open-stop-close-stop): NO type
 regulation of opening and closing time: 1sec. up to 255 sec. (with an accuracy of 1sec.)

➤ Radio parameters

radio module: integrated, superheterodyne, ensuring high reliability, repeatability, and resistance to radio interference
 transmission security: 64-bit Keeloq® dynamically variable code
 type of modulation / frequency: OOK / 433.92MHz
 antenna input impedance: 50Ω
 antenna: internal, terminals for connecting an external antenna

➤ Functionality

user interface: hardware interface implemented on five LEDs and two buttons that support a simple menu
 skipping the STOP step after an automatic stop, in the STEP BY STEP mode: yes
 the function of unambiguous opening and closing: yes, at the manual control STEP BY STEP input
 delay in sudden change of direction: yes, 1sec.
 remote configuration: the ability to assign any of the four functions (OPEN, STOP, CLOSE, STEP BY STEP) to any button
 the ability to delete all memory: yes
 the ability to delete a single remote control: yes, the need to have a remote control removed

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Radio
Receivers

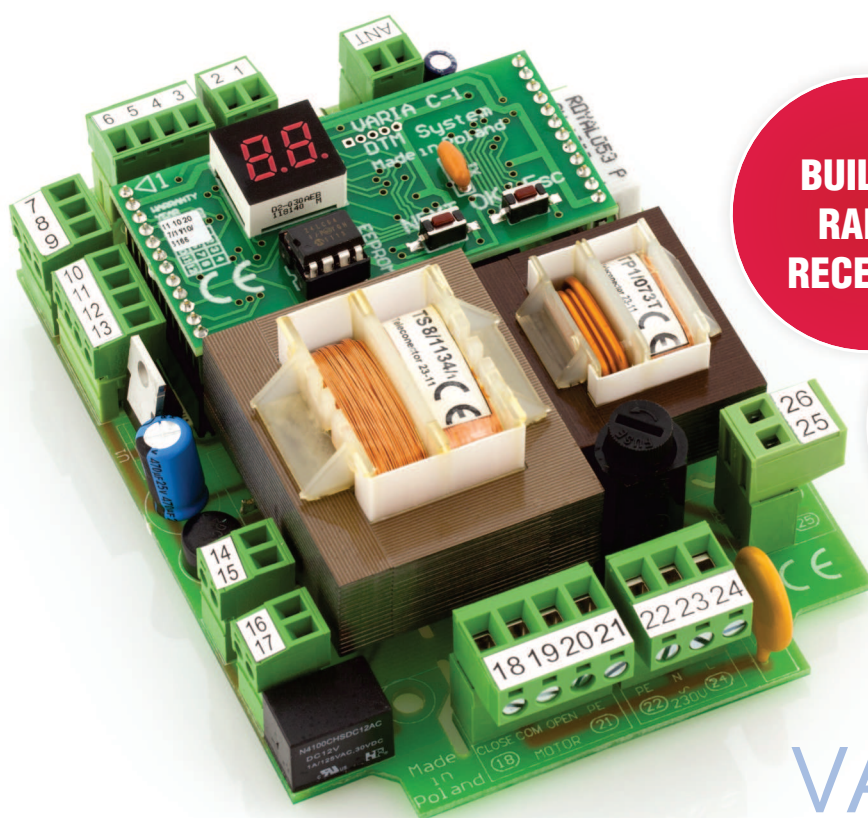
Remotes

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**BUILT-IN
RADIO
RECEIVER**

**PROGRAMMABLE
OVERLOAD
PROTECTION**

VARIA B231

- advanced capabilities with independently programmable parameters
- PIN code securing the controller against interference by third parties
- auto-closing and auto-photo closing
- testing photocells before the gate movement
- programmable overload protection
- cooperate with DTM433MHz series devices

It is a controller for all types of drives that move single leaf gates. The relay output allows for connection of the motor with a working voltage of 230VAC and power up to 600W. The controller has a built-in radio receiver DTM433MHz as standard, it also has a number of control and protection inputs.

➤ Basic parameters

power supply:	230VAC 50Hz ±10%
power consumption at rest:	8VA
remotes memory capacity:	700, each with an individual number in the memory
operating temperature (min./max.):	-20°C / +55°C
the dimensions of the controller board (width x depth x height):	123x90x41mm
the dimensions of the controller's housing (width x depth x height):	120x80x166mm
assembly method:	surface-mounted housing IP-55
weight:	660g

➤ Executive elements

output of the actuator (voltage / maximum power)	
built-in capacitor / quantity:	230VAC / 600W / brak / 1
output of the signaling lamp:	relay (max 230VAC / 6A), 3 working modes
peripheral power output (photocell, etc.):	24VAC
power supply of photocell transmitters:	24VAC (see photo test function)
photocell input / quantity:	type NC / 2
OPEN input:	type NO
CLOSE input:	type NO
STOP input:	type NC
STEP BY STEP input (opens - stop - close - stop):	type NO
limit stop input for opening and closing:	type NC
regulation of opening and closing time:	1s to 255s with an accuracy of 1s
adjustment of the time of self-closing and auto-photo closing:	1s to 255s with an accuracy of 1s

➤ Radio parameters

radio module:	integrated, superheterodyne
transmission security:	64-bit Keeloq®
type of modulation / frequency:	OOK / 433,92Mhz
antenna input impedance:	50Ω
antenna:	internal, terminals for connecting an external antenna

➤ Functionality

user interface:	hardware interface implemented on a two-digit seven-segment LED display and two buttons that support a simple menu with a tree structure
programmable auto-closing function of the actuator:	yes, with the possibility of deactivation by remote control or manual control
programmable auto-photo closing function:	yes, with programmable delay time, switched on separately for both inputs, with the possibility of deactivation by remote control or manual control button
programmable overload protection:	yes, the switch-off threshold is set in 20mA steps
photo test (photocell testing before gate movement):	yes, switched separately for inputs F1 and F2
photocell modes:	stop, continuation, inversion, no reaction, set separately for OPEN and CLOSE directions, separately for F1 and F2 inputs
additional function of the on / off lighting switch:	yes, under the STOP button (when signaling in lighting mode)
automatic learning function:	yes
protection against accidental operation using the remote control:	yes, double-click function
programmable reminder function:	yes
blocking access to the menu:	yes, PIN code
pilot configuration:	the ability to assign any of the five functions (OPEN, STOP, CLOSE, STEP BY STEP, PEDESTRIAN) to any button
the ability to delete all memory:	yes
the ability to delete a single remote control:	yes
blocking access for a single remote control:	yes
possibility to enter the remote control without access to controller buttons:	yes (easy remote adding function)
blocking easy remote adding function:	yes
function of copying the remote's settings from the remote control No. 001:	yes
the possibility of transferring the memory to another controller:	yes, EEPROM memory fixed in the stand

Radio
Receivers

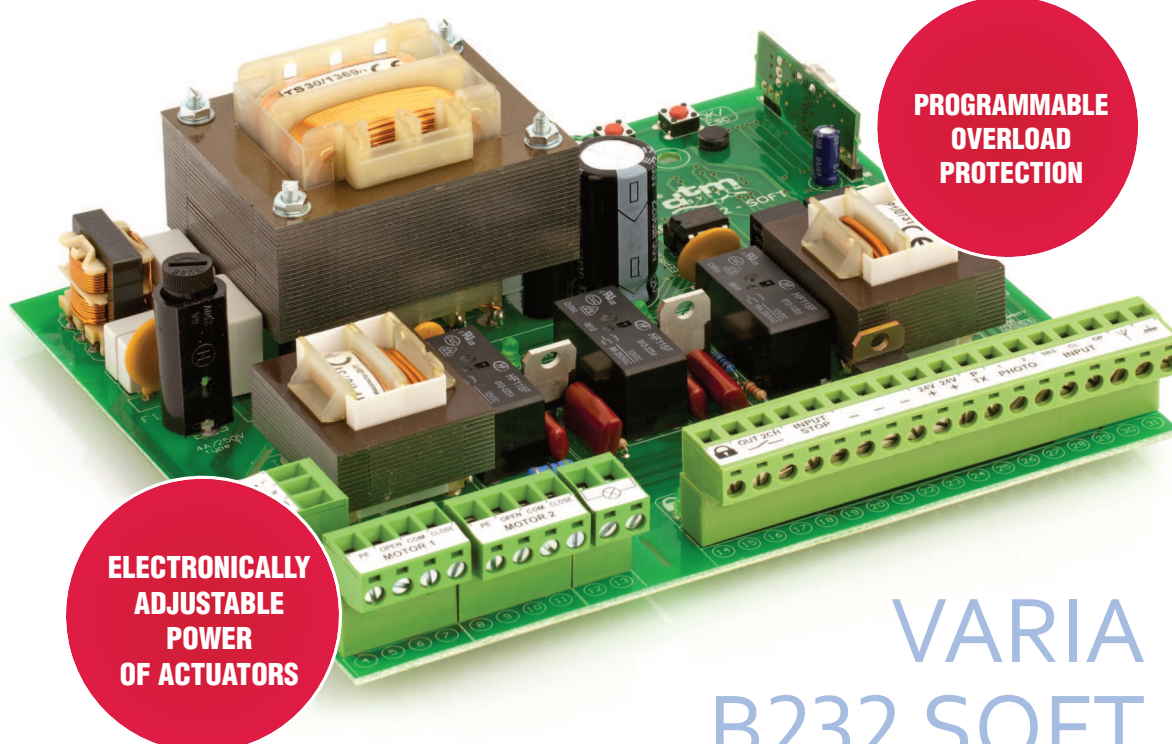
Remotes

Gate
Controllers

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Accessories

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**ELECTRONICALLY
ADJUSTABLE
POWER
OF ACTUATORS**

**PROGRAMMABLE
OVERLOAD
PROTECTION**

VARIA B232 SOFT

- built-in radio receiver
- the PIN code securing the controller against interference by third parties
- auto-closing and auto-photo closing
- testing photocells before the gate movement
- the ability to work with just one actuator
- cooperate with DTM433MHz series devices

The series of VARIA gate controllers due to its versatility gives the flexibility of choosing the configuration for the individual needs of the automation installation. The basic application of the VARIA B232 SOFT controller is the control of double leaf gate operators.

VARIA B232 SOFT

gate controller

➤ Basic parameters

power supply: 230V AC 50Hz ±10%
power consumption at rest: 8VA
remotes memory capacity: 700, each with an individual number in the memory
the dimensions of the controller board (width x depth x height): 123x90x41mm
the dimensions of the controller's housing (width x depth x height): 185x95x241mm
operating temperature: -20°C/+55°C
assembly method: surface-mounted housing IP-55
weight: 1,7kg

➤ Executive elements

actuator output (voltage /
maximum power / built-in capacitor / quantity): 230VAC / 2x350W / none / 2
power regulation of actuators: electronic in 30 steps
overload protection: programmed in 255 steps
output of the signaling lamp: relay (max 230VAC / 6A), 4 operating modes
peripheral power output (photocells, etc.): 24V DC
power supply of photocell transmitters: 24V DC (see photo test function)
gate electro-lock output: programmable 12V DC or 24V DC
additional output: relay, 1A / 24V AC / DC, operating in bistable and monostable mode
with an activation time of 1... 255s
semaphore output / number / maximum current: type OC / 2 / 50mA each
photocell inputs / quantity: NC / 2 type
manual control OPEN mode input: NO type
manual control CLOSE mode input: NO type
manual control STOP mode input: NC type
manual control STEP BY STEP mode input
(opens - stop - closes - stop): NO type
cooperation with limit switches: only the internal limit switches of actuators (detection of disconnection of the
current circuit)
regulation of opening and closing time and soft start and stop phases: 1s to 255s with an accuracy of 1s
adjustment of the time of self-closing and auto-photo closing: 1s to 255s with an accuracy of 1s
regulation of the delay time between the wings: 1s to 10s with an accuracy of 1s

➤ Radio parameters

radio module: integrated, superheterodyne
transmission security: 64-bit Keeloq®
type of modulation / frequency: OOK / 433,92Mhz
input antenna / impedance: internal, terminals for connecting an external antenna / 50Ω

➤ Functionality

user interface: hardware interface implemented on a two-digit seven-segment
LED display and two buttons that support a simple menu with a tree structure
additional function of the on / off lighting switch: yes, the STOP button (when the signaling is in the lighting mode)
programmable auto-closing function of the actuator: yes, with the possibility of deactivation by remote control or manual control
button
programmable auto-photo closing function: yes, with programmable delay time, enabled separately for the input
F1 and F2, with the possibility of deactivation by remote control or manual control
button
photo test (photocell testing before gate movement): yes, switched separately for inputs F1 and F2
photocell modes: stop, continuation, inversion, no reaction, set separately
for OPEN and CLOSE direction, separately for F1 and F2 inputs
learning function: yes (programming of opening times, closing times and slowing down phases)
protection against accidental starting with the remote control: yes, double-click function
programmable maintenance reminder function: yes
blocking access to the menu (PIN code): yes
remote control configuration: the ability to assign any of the six functions (OPEN, STOP, CLOSE, STEP BY STEP,
PEDESTRIAN, ADDITIONAL) to any button
the ability to delete all memory: yes
the ability to delete a single remote control: yes
blocking access for a single remote control: yes
possibility to enter the remote control without having to
access to the controller buttons: yes (easy remote adding function)
blocking the easy remote adding function: yes
function of copying the remote's settings from the remote control No. 001: yes
the possibility of transferring the memory to another controller: yes, EEPROM memory fixed in the stand

automation systems

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Gate automation
accessories



Polish manufacturer
of gate automation

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slim II



- sync function transmitter - receiver
- redundant relay output
- splash-proof case
- NO or NC output contacts
- high resistance to interference from other light sources

Main usage is to work in gate automation systems as safety barrier.



**SLIM
CASE
35mm**

slim II

safety photocells

➤ General parameters

range: 7m / 15m
view angle adjustment: 200° horizontal
transmitter and receiver supply: 12...24VAC/DC ±10%
receiver current consumption: max 25mA
transmitter current consumption: max 25mA
operating temperature: -20°C / +55°C
case external dimensions: 35x30x110mm
IP protection: IP-54
case material: ABS with polycarbonate front

➤ Executive elements

output (type / maximum load): NO or NC / 1A 24VAC or DC

➤ Functionality

user interface: LEDs signaling power supply and facilitate transmitter and receiver synchronization
additional protection: safety output (in case of damage output turns in violation mode)
two pairs of photocells interference protection: yes, sync function (AC power required)

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slimbat II



- battery life up to 8 years
- redundant relay output
- splash-proof case
- NO or NC output contacts
- high resistance to interference from other light sources

SLIMBAT₂ photocell is an element of safety in gate automation. The appearance of the obstacles in the photocell infrared barrier causes immediate response of automation. With battery-powered transmitter, it is possible to mount photocell in places with no power cable. Thin housing and ability to adjust the optical elements in the range of 200° allows to get a very high level of protection maintaining good aesthetics and ease of assembly.



slimbat II

wireless photocell

➤ Basic parameters

guaranteed operating range: 1-15m
 mounting transmitter/receiver: wireless / cable installation required
 view angle adjustment: 200° horizontal
 transmitter power supply: battery 3,6V/8,5Ah, type C
 receiver power supply: 12...24VAC/DC ±10%
 receiver power consumption: max. 25mA
 trigger input T: state change 0-12...24VAC/DC
 operating temperature (min./max): -20°C / +55°C
 mounting: surface mounted housing, splash-proof, IP-54
 housing dimensions (W x D x H): 38x36x145 mm

➤ Executive elements

output (type / maximum load): NO or NC / 1A (24VAC/DC)

➤ Functionality

view angle adjustment: 200° at the transmitter and receiver, to mount the photocell on the plane parallel to the gate
 user interface: LEDs signalling power supply and receiver-transmitter beam synchronization
 additional protection: safety output (in case of damage output turns into violation mode)
 operating modes: 7m, 15m, SLOW, TRIG, FAST - configured via jumpers
 wireless installation: battery-powered transmitter (receiver requires cable installation)

➤ Battery life in the transmitter

mode	7m	15m
FAST	1 year	8 months
TRIG (20 cycles/day)	3 years	2 years
SLOW	8 years	5 years

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slimflash



- sync function transmitter - receiver
- redundant relay output
- splash-proof case
- NO or NC output contacts
- high resistance to interference from other light sources

SLIMFLASH photocell is a double safety element in gate automation - security barrier and warning light. Slim housing and rotating optics allow numerous mounting possibilities. Built-in LED lamp, ensures long, maintenance-free operation. In addition to the standard warning function, LED lamp indicates gate entry in conditions of limited visibility.



➤ Basic parameters

external housing dimensions (W x D x H): 38x36x145mm
mounting: surface mounted housing, splash-proof, IP-54
housing material: ABS, polycarbonate cover
operating temperature (min./max): -20°C / +55°C
weight: 165g

➤ Photocell parameters

guaranteed operating range: 1-15m
view angle adjustment: 200° horizontal
transmitter and receiver power supply: 12...24VAC/DC ±10%
receiver power consumption: max. 25mA
transmitter power consumption: max. 25mA

➤ Signal lamp parameters

lamp power supply: 12...24VAC/DC ±10%
lamp current consumption: 2x120mA
power: 2x3W
technology: LED
vitality: <50 000h
resistance to shock and vibration: high

➤ Executive elements

output (type / maximum load): NO or NC / 1A (24VAC/DC)

➤ Functionality

view angle adjustment: 200° at the transmitter and receiver, to mount the photocell on the plane parallel to the gate
user interface: LEDs signalling power supply and receiver-transmitter beam synchronization
additional protection: safety output (in case of damage output turns into violation mode)
protection against interference with 2 pairs of photocells: yes, synchronization function (AC supply required)

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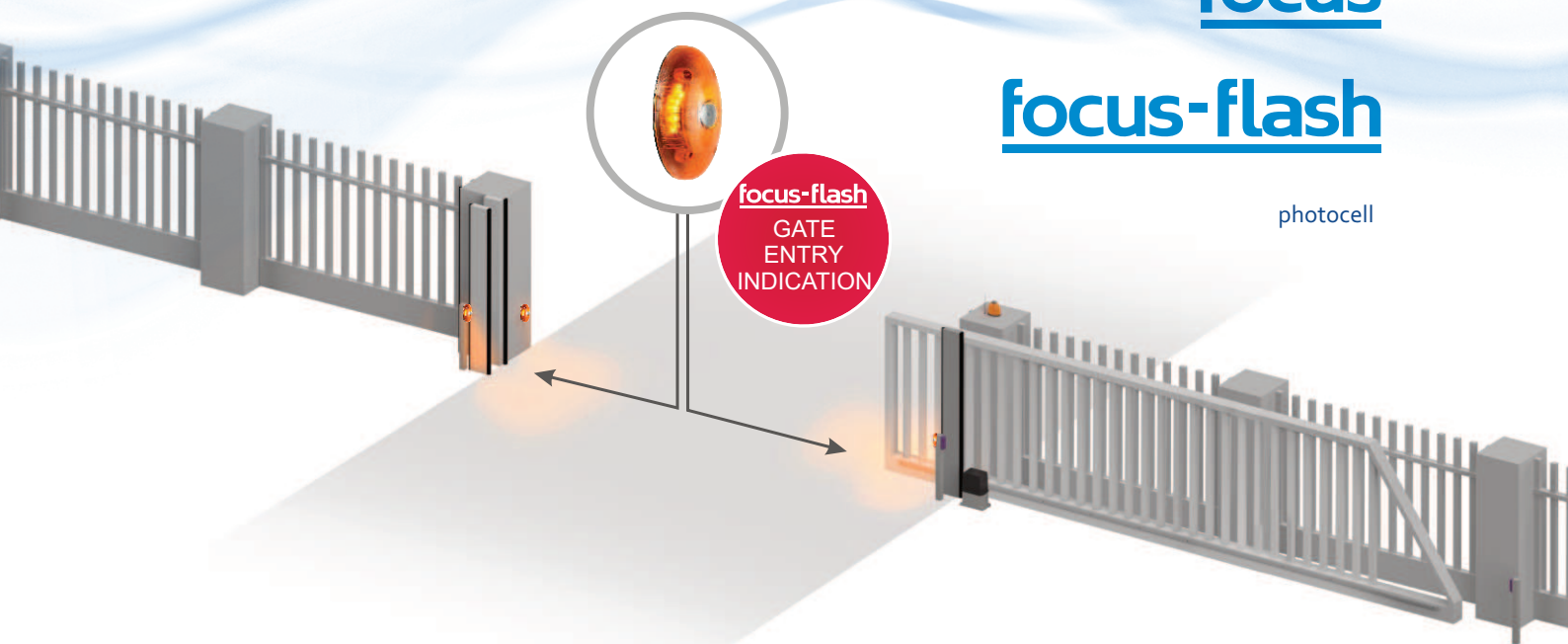


focus focus-flash



- guaranteed range 15m
- high resistance to interference from other light sources
- splash-proof case
- NO or NC output contacts

Main usage is to work in gate automation systems as safety barrier.



➤ Basic parameters

external housing dimensions (WxDxH): 62x28x100mm
 mounting: surface-mounted, splash-proof housing, IP-54
 housing: ABS, polycarbonate covers
 operating temperature (min./max.): -20°C / +55°C
 weight: 165g

➤ Photocell parameters

guaranteed operating range: 1-15m
 transmitter and receiver power supply: 24VAC/DC ±10%
 receiver power consumption: max. 25mA
 transmitter power consumption: max. 25mA

➤ Signal lamp parameters (FLASH version)

lamp power supply: 24VAC/DC ±10%
 lamp current consumption: 2x 40mA
 power: 2x 3W
 technology: LED
 vitality: <50 000h
 resistance to shock and vibration: high

➤ Executive elements

output (type / maximum load): NO or NC / 1A (24VAC/DC)

➤ Functionality

user interface: two LED diodes

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**BUILT-IN
CIRCUIT
BREAKER**



LED
**ENERGY
-EFFICIENT
AND
MAINTENANCE
-FREE**

OLIMP 24 LED OLIMP 230 LED



- two versions of power supply
- horizontal and vertical mounting
- classic design

OLIMP lamp is a safety element in gate automation. Energy-saving LED light source used in the lamp, ensures long-term, maintenance-free operation. Two versions of power supply 24V and 230V, built-breaker, horizontal and vertical mounting, allow to use OLIMP lamp in any kind of automation.



OLIMP 24 LED OLIMP 230 LED

flashing lamp

▶ OLIMP 24 LED / OLIMP 230 LED parameters

power supply: 24V AC/DC / 230VAC
power: max 5W
operating temperature: -20°C / +55°C
lampshade: orange, PMMA
technology: LED
vitality: <50 000h
usage: signal light
mounting: horizontal and vertical
ingress protection: IP-44
operating mode: constant or impulse 0,5s
shock and vibration resistance: high
weight: 170g
antenna: (only OLIMP 230 LED) built-in dual-band antenna

▶ Lamp dimensions



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**BUILT-IN
CIRCUIT
BREAKER**



LED
**ENERGY
-EFFICIENT
AND
MAINTENANCE
-FREE**

POMENA
₂₄
POMENA
₂₃₀



- two versions of power supply
- horizontal and vertical mounting
- built-in dual-band antenna

POMENA lamp is a safety element in gate automation. Energy-saving LED light source used in the lamp, ensures long-term, maintenance-free operation. Two versions of power supply 24V and 230V, built-breaker, built-in dual-band antenna, horizontal and vertical mounting, allow to use POMENA lamp in any kind of automation.

POMENA₂₄

POMENA₂₃₀

signal lamp

► POMENA 24 / POMENA 230 parameters

power supply: 24V AC/DC / 230VAC
power: max 5W
operating temperature: -20°C / +55°C
lampshade: orange with PMMA
technology: LED
vitality: <50,000h
usage: signaling lighting
mounting: on the horizontal plane
or vertical with an angle bracket
ingress protection: IP-44
operating mode: continuous or pulse 0.5s
shock and vibration resistance: high
110x118x94mm (without angle bracket)
weight: 180g
antenna: built-in, dual range: 433MHz, 868MHz

► Accessories



EXTERNAL ANTENNA ON THE BASIS

frequency: 433MHz or 868MHz
dimensions: 115x152x210 mm
cable length: 3m
assembly method: on the lamp base or in the angle bracket
antenna characteristics: omnidirectional

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**230V
POWER
SUPPLY**

**50 000h
VITALITY**

LIBRA230



- resistance to shock and vibration
- built-in interrupter
- low power consumption
- perfectly visible in all weather conditions

LED light bulb LIBRA230 is a replacement for standard Edison's light bulb used in flashing signal lights. LED technology offers high uniformity, long life, low EMI noise and high shock and vibration resistance. It also has the advantage of low power consumption and low heat output, factors that significantly improve reliability. Built-in interrupter allows to cooperate with 230VAC drivers providing continuous power to the lighting lamp.



LIBRA230

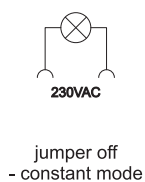
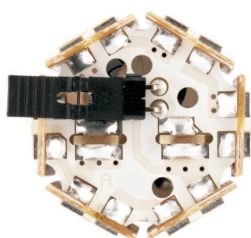
Led indicator bulb

General parameters

supply: 230VAC $\pm 10\%$
 wattage: 5,7W
 vitality: 50 000h
 thermal protection: 130°C
 operating temperatures: -25°C / +55°C
 type of thread: E14
 light colour: yellow
 destination: signal lighting
 mode: constant / pulse 0,5s
 shock resistant: yes
 weight: 17g



The bulb work configuration



LED light bulb LIBRA230 usage

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**50 000h
VITALITY**

LIBRA24



- resistance to shock and vibration
- built-in interrupter
- low power consumption
- perfectly visible in all weather conditions

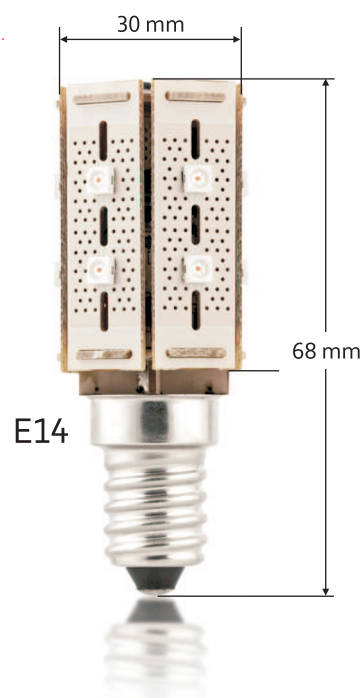
LED light bulb LIBRA24 is a replacement for standard Edison's light bulb used in flashing signal lights. LED technology offers high uniformity, long life, low EMI noise and high shock and vibration resistance. It also has the advantage of low power consumption and low heat output, factors that significantly improve reliability. Built-in interrupter allows to cooperate with DC drivers providing continuous power to the lighting lamp.

LIBRA24

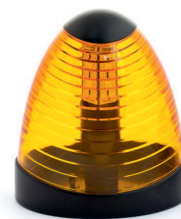
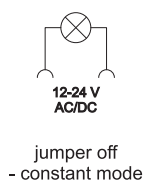
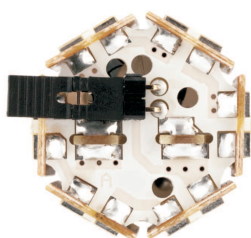
Led indicator bulb

General parameters

supply: 12...24V AC/DC $\pm 10\%$
max current consumption: max 250mA
wattage: 3,5W
vitality: 50 000h
thermal protection: 130°C
operating temperatures: -25°C / +55°C
work intensity: 80 % / h
type of thread: E14
light colour: yellow
destination: signal lighting
mode: constant / pulse 0,5s
shock resistant: yes
weight: 17g



The bulb work configuration



LED light bulb LIBRA24 usage

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NEW!

GALACTIC function of selected DTM868MHz series devices

- programming remotes
in the office
- unique
authentication code
- programmed remote
works immediately
in accordance with
entered settings
- dedicated
GSOFT application

GALACTIC



**WIRELESS
PROGRAMMING
OF THE REMOTE**

GPROG

- connect via USB
- simple and intuitive to use
- small compact housing

GPROG programmer allows programming the unique authentication code into DTM868MHz series remotes with Galactic function. Programmed remote will be automatically added to the receiver with compatible code. GPROG programmer works with free GSOFT software, running on MS Windows® platforms. The device is powered directly from the USB port of computer.



GPROG

programmer

➤ Technical data

power supply: 5V via USB
 max. current consumption: 45mA
 operating temperature (min./max.): -10°C/+55°C
 external case size (W x D x H): 55x20x90 mm

➤ Communication

communication with computer: via USB, microUSB cable included
 programming the remote: proximity

➤ Functionality

software: dedicated programme GSOFT (MSWindows®)

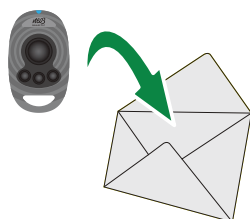
➤ Principle of operation

1



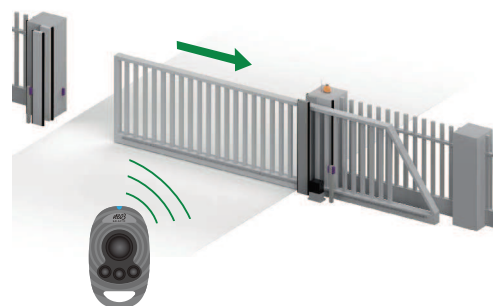
configuration and settings
 in GSOFT programme,
 programming the remote
 with GALACTIC function
 anywhere, eg. in the office

2



provide the remote to user

3



user in receiver radio range initiates adding
 a transmitter to receiver by using remote buttons,
 since that moment remote is active in the system

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**BACKUP
AND WRITE
RECEIVERS
MEMORY**

**RECEIVERS
FIRMWARE
UPDATE**

MEMO

- direct communication with the receiver
- simple and intuitive operation
- small compact housing

MEMO is a service programmer designed to work with selected DTM System receivers. MEMO allows to save remotes memory from receiver, register remotes from file to receiver and update receiver firmware.



MEMO

service programmer

➤ Basic parameters

power supply: from a USB port or a receiver
 storage capacity: 2 MB
 outer dimensions of the housing: 75x45x15 mm

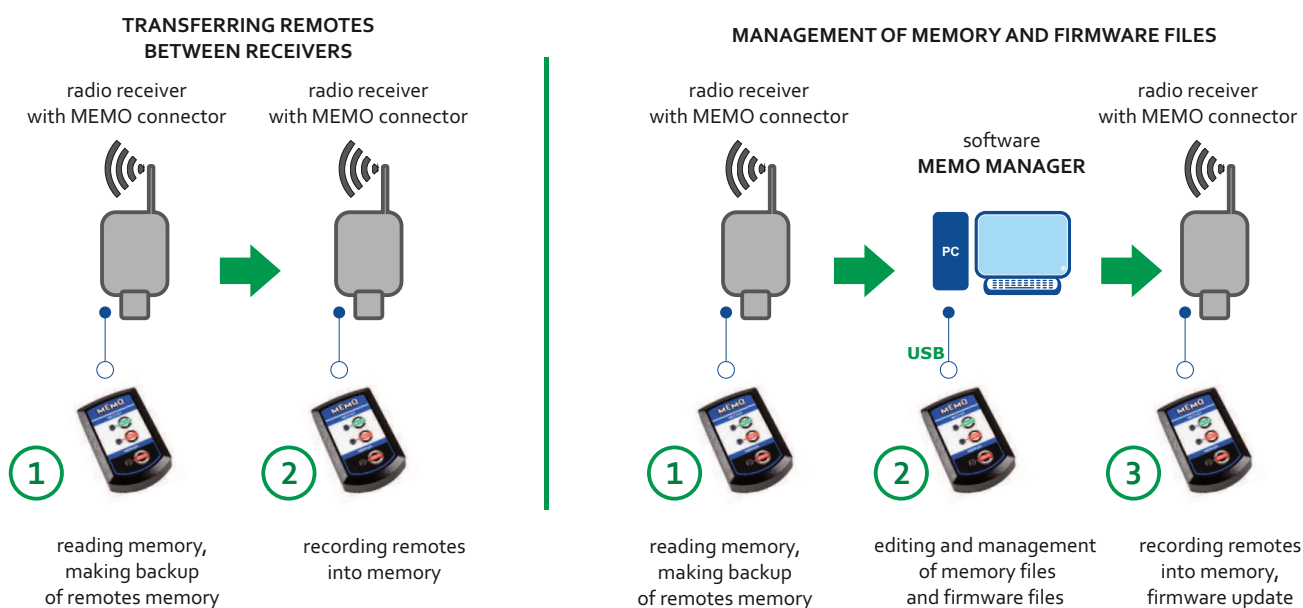
➤ Communication

the way of communication
 with the computer and the receiver: via microUSB connector, cable included

➤ Functionality

user interface: three buttons and three LEDs
 software: dedicated software MEMO MANAGER (MS Windows®)
 ensuring compatibility between systems thanks to support
 for remote files from various receiver models

➤ Principle of operation



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**VERSION
24V
or
230V**



LAMP BLINKER 24V or 230V



- two voltage versions
- universal relay output NO
- simple, reliable construction

There are two voltage versions: 230V and 24V AC/DC. It is used for pulse control of the signaling lamp, in the case when the controller and lamp are devoid of built-in breaker or do not have compatibility from the voltage side (power supply from the central unit and the lamp itself does not allow direct connection).

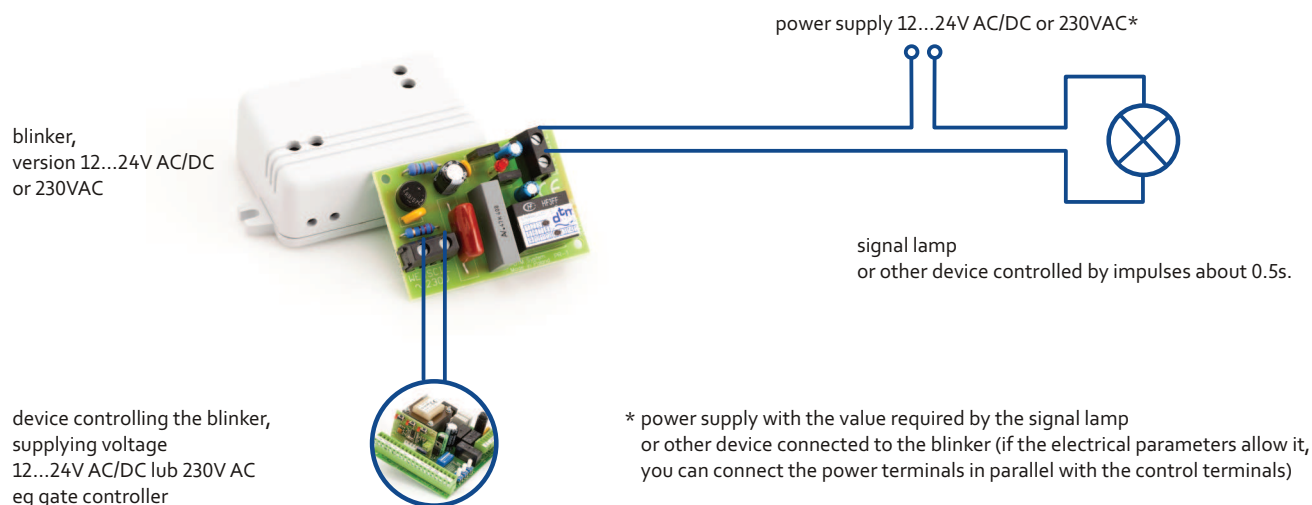
LAMP BLINKER 24V or 230V

signaling lamp blinker

➤ Basic parameters

input voltage: 12...24V AC/DC $\pm 10\%$ or 230VAC $\pm 10\%$
power consumption: max 70mA
relay outputs
(type / quantity / maximum load): NO / 1 / 5A (12...230V AC/DC)
output mode: pulse, time filling about 50%
operating temperature (min./max.): -20°C / $+55^{\circ}\text{C}$
overall dimensions of the housing (width x depth x height): 48(64 with mounting brackets)x42x22mm
assembly method: blinker designed to be installed in the gate controller or indoors, IP-20

➤ Exemplary scheme of connections



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Radio
Receivers

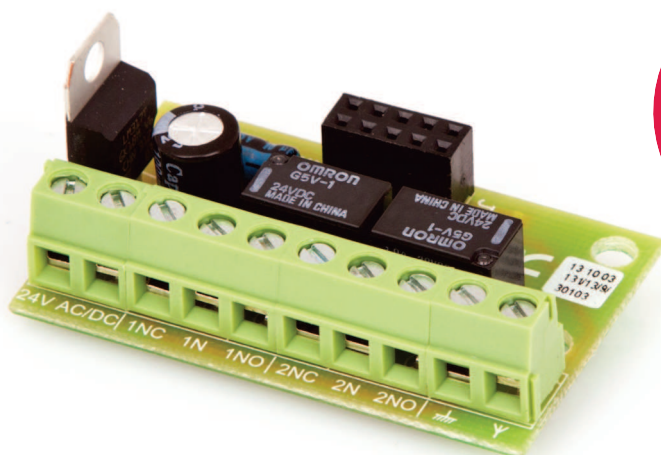
Remotes

Gate
Controllers

Gate
Automation
Accessories

Gate
Motors

Access
Control



**INCREASED
FUNCTIONALITY**

ADAPTER S-MIX



- use of the card with any device
- 2 NO/NC relays

The device allows to expand the S-MIX card by two NO / NC relay outputs. In this way, we get an autonomous, 2-channel radio receiver. The adapter requires 24VAC / DC power, from which the radio card is also powered.

ADAPTER S-MIX

adapter for radio cards

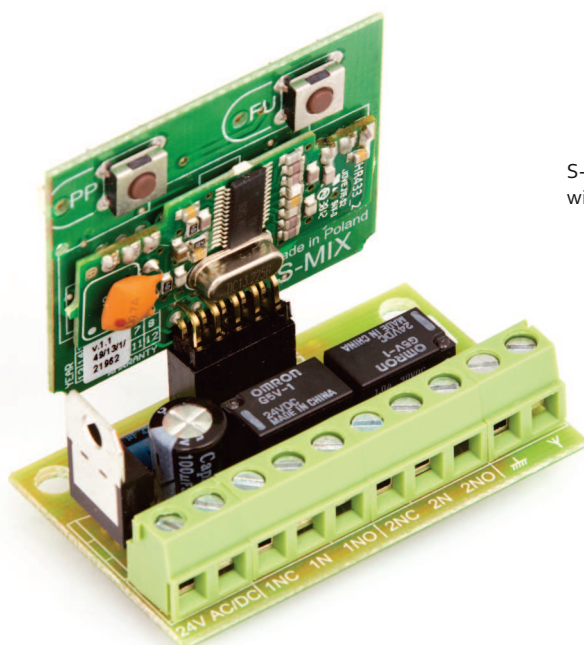


Parameters

input voltage: 24V AC/DC $\pm 10\%$
relay outputs NO or NC / 2 / 1A (24V AC/DC)
(type / quantity / maximum load): -20°C / +55°C
operating temperature (min./max.): 52x32x22mm
overall dimensions of the housing
(width x depth x height): (52x32x45mm with radio card inserted)
assembly method: adapter intended for mounting in the other devices housing
protected against access of water and interference of third parties



Example of use



S-MIX adapter
with attached S-MIX radio card (available separately)

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automation systems

DTM System, ul. Brzeska 7, 87-145 Bydgoszcz, POLAND, tel./fax +48 52 340 15 83, e-mail: dtm@dtm.pl
www.dtm.pl



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**PERFECT
SOUND
ANALYSIS**

**NON STOP
ACCESS
FOR
EMERGENCY
VEHICLES**

**PERFECT
SOS**

- input for a dedicated external microphone
- technology eliminating false alarm signals
- an additional function of responding to a loud acoustic signal lasting at least 8 seconds (eg horn)

PERFECT-SOS is a receiver of the emergency vehicles signals type: WAIL, YELP and HI-LO, and optionally HORN continuous signals. It can be used for opening public places, eg housing estates, car parks, and companies. Receiver reacts to the sound of the siren, allowing to enter the emergency services vehicles. The signal analysis technology used eliminates false signals, responding only to the sound of privileged services.

➤ Basic parameters

power supply: 12-24VAC/DC
 power consumption: 60mA
 microphone: internal - built-in, external - option
 working temperature (min./max): -20°C / +55°C
 external dimensions of the housing (width x depth x height): 55 x 27,5 x 118 mm
 housing: IP-53
 weight: 80g

➤ Input and output parameters

recognized signals: WAIL, YELP, HI-LO, continuous HORN
 relay outputs (type / amount / max load): NO / 1 / 1A 24VAC/DC
 output mode: monostable 1s or until deleted (latch type)
 the external button input: NO type
 the external microphone input: automatically switched

➤ Functionality

the possibility of reacting to a continuous HORN signal: optional, after setting the jumper

➤ Accessories

MIC-PSOS EXTERNAL MICROPHONE

power supply: 12-24VAC/DC
 power consumption: 40mA
 working temperature: -20°C / +55°C
 external dimensions of the housing: 35x30x110mm
 housing: ABS with polycarbonate cover, IP-54
 user interface: LED diode signaling device operation and signal detection



external microphone

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automation systems

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automation
systems

CHRONO automation center



www.dtm.pl

Radio
Receivers

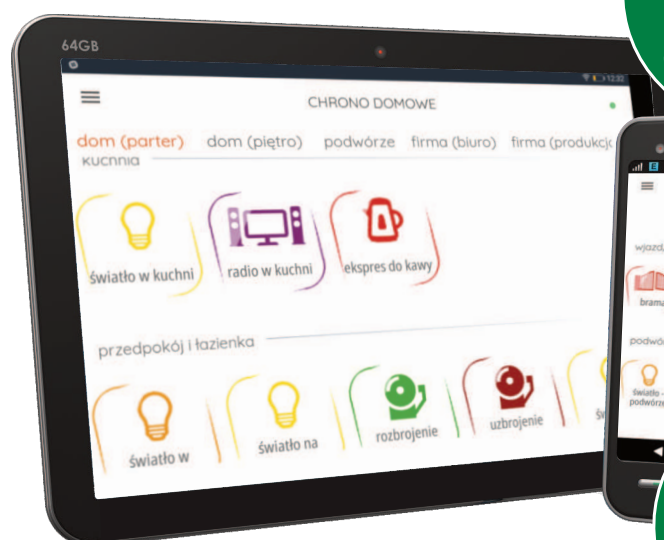
Remotes

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**AUTOMATION
CONTROL
VIA
SMARTPHONE**

**INTEGRATION
OF SYSTEMS
433MHZ
868MHZ**

**BUILDING
AUTOMATION
FOR EVERY
BUDGET**



CHRONO

- central management of the remote controls
- calendar of schedules and tasks
- event memory

CHRONO introduces the building's intelligence using standard remote control systems at 433MHz and 868MHz. Thanks to this, you can easily use receivers, remote controls and other devices that are already in operation. Now everything can be controlled and programmed from the smartphone's intuitive screen.





➤ Basic parameters

power supply: 9VDC, external power supply included
maximum power consumption: 250mA
memory capacity: 2000 triggers, 100 schedules, 100 scenes, 30 exceptions
event memory capacity: 4 000 events
working temperature: 0°C/+55°C
housing: ABS, IP-20
assembly method: standing/hanging
weight: 250g
overall dimensions of the housing
(width x length x height): 76x110x27 mm

➤ Transmitters parameters

DTM868MHz system transmitter parameters

number of channels: 255
frequency: 868MHz
maximum range: 250m
effective radiation power: 10mW
variable code: 104-bit IRS
number of combinations: 2,02824096E+31

DTM433MHz transmitter parameters

number of channels: 32
frequency: 433MHz
maximum range: 150m
effective radiation power: 10mW
variable code: 64-bit KeeLoq®
number of combinations: 4 294 967 296

➤ Receivers parameters

radio module: modern, digital, superheterodyne with intelligent adaptation to external radio conditions, ensuring high reliability, repeatability and optimal sensitivity

radio module of the DTM868MHz system

(transmission protection / type of modulation / frequency): 104-bit IRS / FSK / 868MHz
antenna: 868MHz RP-SMA connector

radio module of the DTM433MHz system

(transmission protection / type of modulation / frequency): 64-bit KeeLoq® / OOK / 433,92MHz
antenna: 433MHz RP-SMA connector

➤ Functionality

user Interface: an intuitive and simple mobile application for devices with Android system
control of the automation: via buttons defined through a mobile application; through schedules and external signal
access to the menu authorization: three levels of access: Administrator, User, Guest, each secured by an access password
calendar: using a real-time clock with battery backup, CR2032 battery



Automation kits



Polish manufacturer
of gate automation

www.dtm.pl

Automation kits

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**BUILT-IN
ENCODER**

**MAGNETIC
LIMIT
SWITCHES**

SWIFT 6

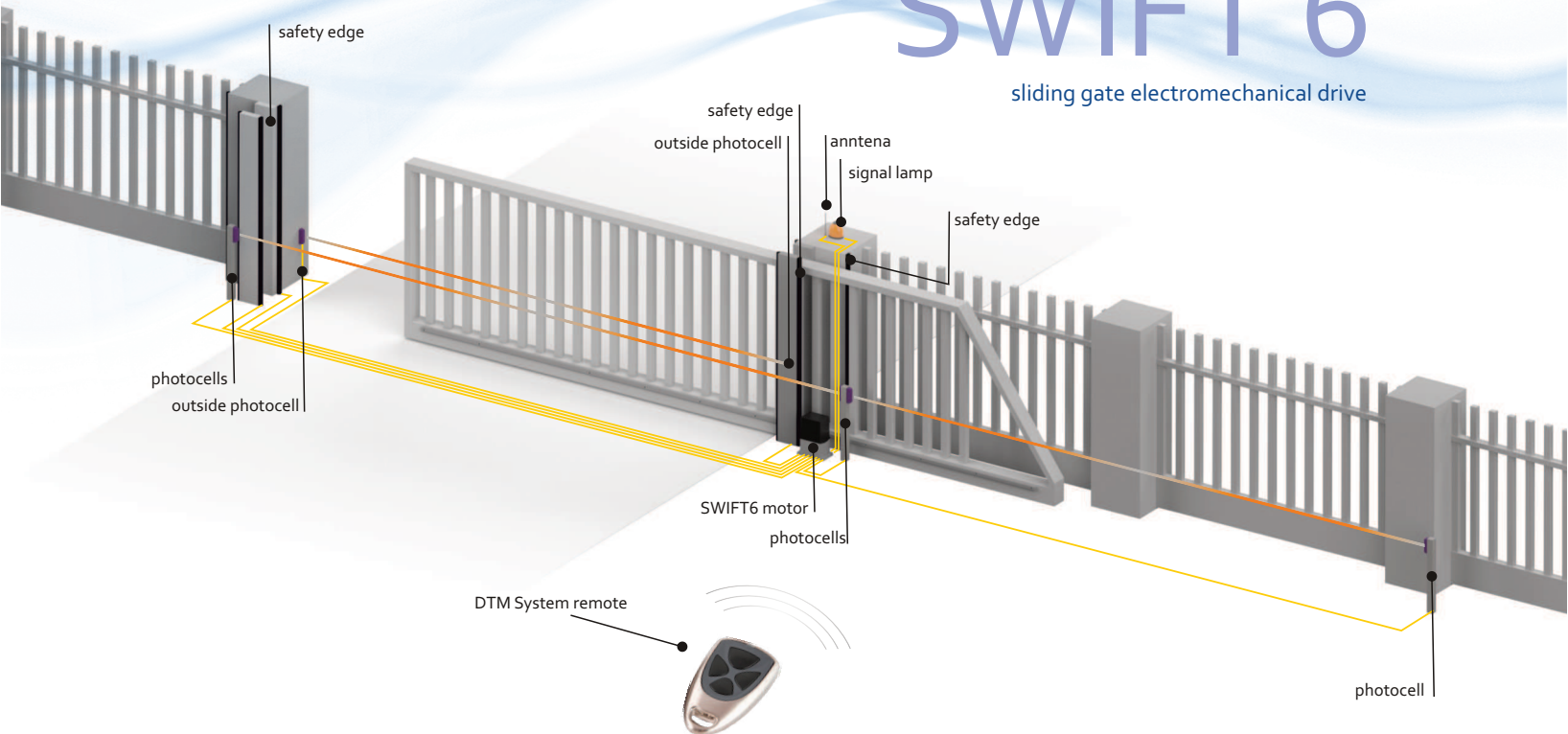


- gate weight up to 600 kg
- power supply 230VAC
- aluminium body
- efficient unlocking mechanism

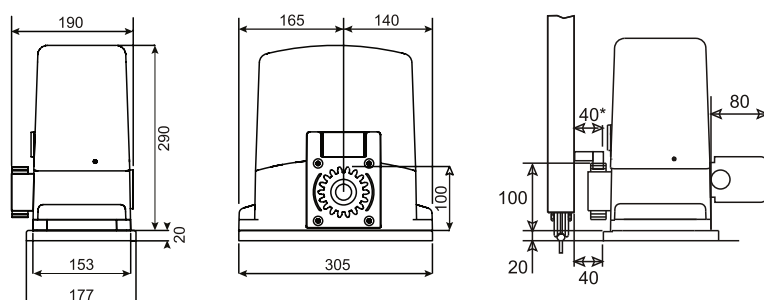
SWIFT6 electromechanical drive is designed for sliding gates used by individual customers. Solutions used in the motors provide the reliability, comfort and safety.

SWIFT 6

sliding gate electromechanical drive



Motor dimensions



Technical data

case material: aluminium with plastics elements
 power supply: 230VAC / 50Hz $\pm 10\%$
 electricity consumption: 3,5A
 power consumption: 800W
 condenser: 16 μ F / 450V
 encoder: built-in
 limit switches: magnetic
 protection class: IP-44
 thermal protection: 140°C
 leaf motion speed: 10m / min
 drawbar pull: 600N
 motor rotation speed: 1400rpm
 operation intensity: 40% / h (24 cycles / h)
 temperature range (min./max.): -25°C / +75°C
 motor weight: 9,5kg

Gate parameters

weight: up to 600kg

Safety and reliability

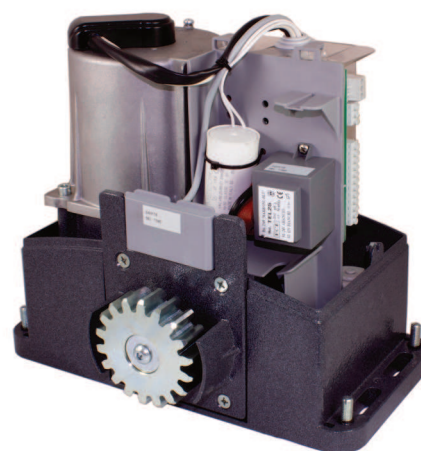
230V AC supplied SWIFT6 motor is a simple way to automate sliding gates of weight up to 600kg, used by private customers and small businesses. Equipped with encoder monitoring movement allows the gate controller to react quickly to obstacles appearance.

Solid and effective in operation

Aluminum body provides a self-locking gear solid support in all conditions, for a long time. Grease lubrication avoids additional maintenance, and unlocking mechanism enables manual gate operation in case of emergency or power failure.

Easy to start with great capabilities

SWIFT6-CB gate controller is designed to control the SWIFT6 motor. Control board dimensions allows its mounting inside the drive. The solutions guarantee satisfaction during installation and use.



Radio
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Controllers

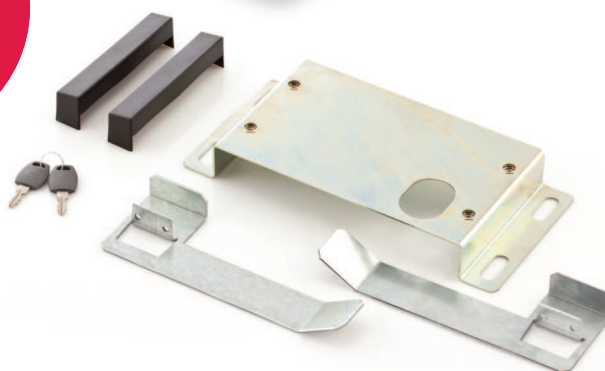
Gate
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Accessories

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**GATE
WEIGHT
UP TO
600kg**



DTM 6

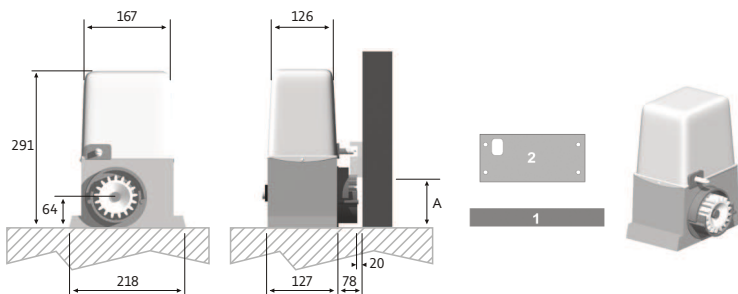
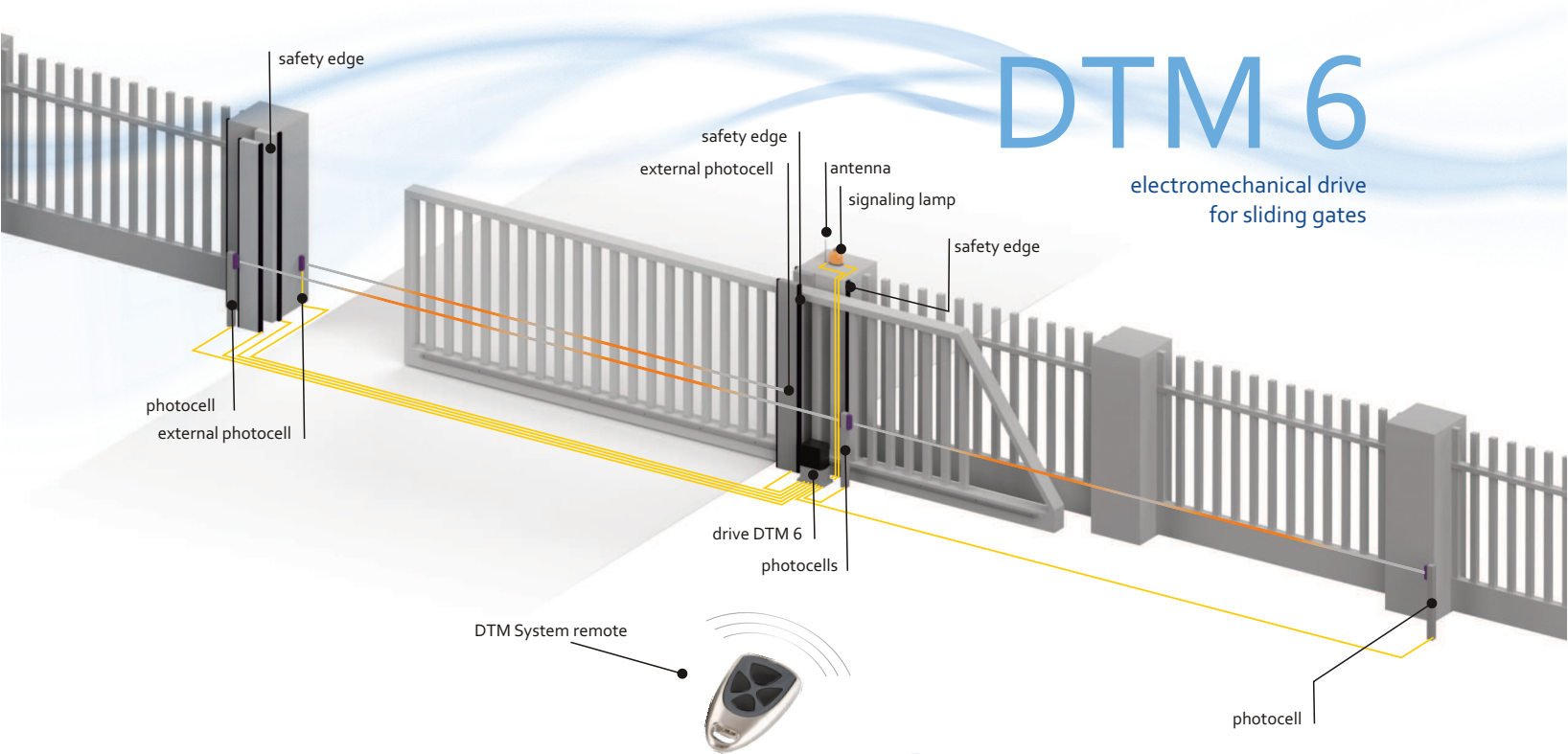


- power supply 230VAC
- aluminum body
- mechanical limit switches
- efficient unlocking mechanism

The DTM 6 electromechanical drive is designed for sliding gates used by individual customers. Available separately as well as in sets containing all the necessary mechanical and electronic components at attractive prices.

DTM 6

electromechanical drive
for sliding gates



A = 100 mm (133 mm with the base)

1 - gate

2 - drive base

Correct mounting of the mounting plate with the location of the hole for cable entry.

Basic parameters

housing: aluminum with plastic elements
power supply: 230VAC/50Hz±10%
power consumption: 1,5A
power: 350W
capacitor: 12,5µF
type of limit switches: mechanical
protection class: IP-55
Thermal protection: 150°C
actuator stroke / speed: 10m / min
pull force: 600N
engine speed: 1400obr. / min
work intensity: 25% / h (15 cycles / h)
operating temperature (min./max.): -25°C / +75°C
weight: 7kg

Acceptable gate parameters

weight: up to 600kg

Easy to use

The DTM 6 drive supplied with 230V AC voltage will easily allow to automate sliding gates weighing up to 600kg, used by individual customers and small companies. Available separately and in sets containing all the necessary mechanical and electronic components at attractive prices.

Solid and effective in action

The aluminum body provides a self-locking gearbox with solid support in all conditions, for a long time. Grease lubrication avoids additional maintenance operations, and the unlocked clutch mechanism allows manual operation of the gate in case of failure or power failure.

Simple to start with amazing possibilities

The EASY B231-DTM6 controller is designed to control the actuator drive. Its construction allows to place the control board and the EasyRX radio receiver inside the drive, guaranteeing efficient assembly and start-up. Despite its simple interface, it has advanced algorithms known so far only in more extensive DTM System devices.

Sample set of DTM 6



Radio
Receivers

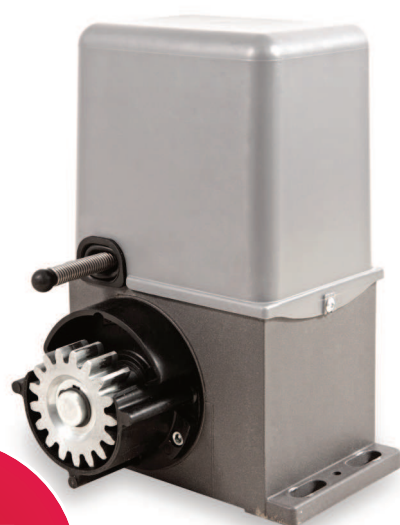
Remotes

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**GATE
WEIGHT
UP TO
800kg**



DTM 8

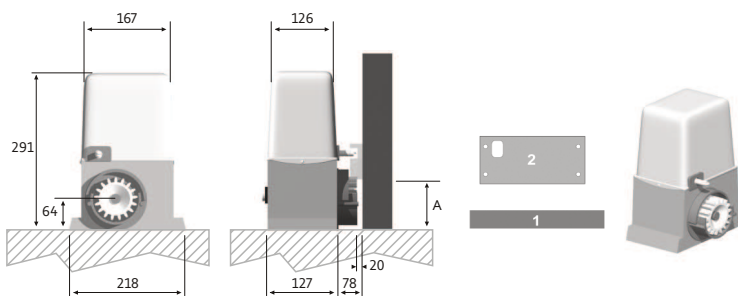
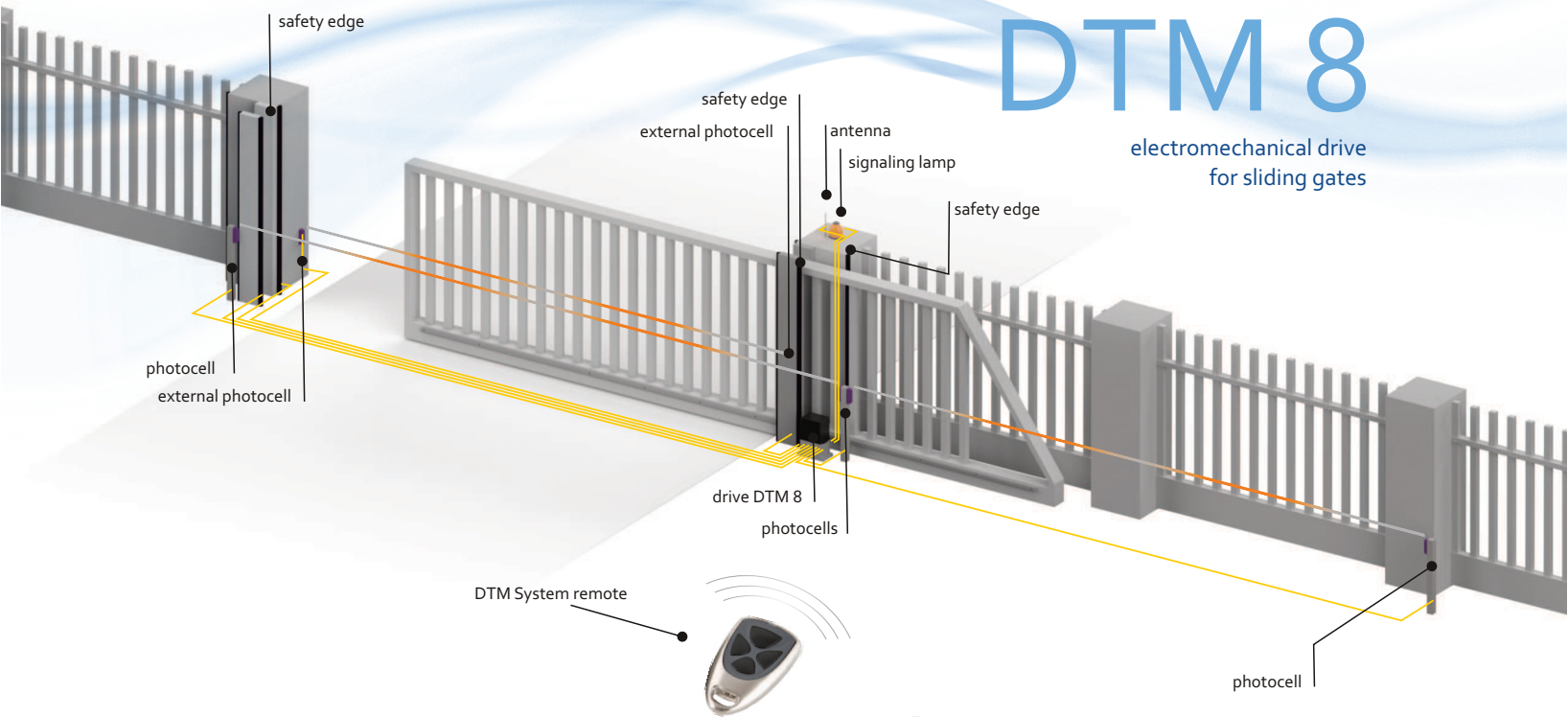


- power supply 230VAC
- aluminum body
- mechanical limit switches
- efficient unlocking mechanism

The DTM8 electromechanical drive is designed for sliding gates used by individual customers. Available separately as well as in sets containing all the necessary mechanical and electronic components at attractive prices.

DTM 8

electromechanical drive
for sliding gates



A = 100 mm (133 mm with the base)

1 - gate

2 - drive base

Correct mounting of the mounting plate with the location of the hole for cable entry.

➤ Basic parameters

housing: aluminum with plastic elements
power supply: 230VAC/50Hz±10%
power consumption: 1,5A
power: 350W
capacitor: 12,5µF
type of limit switches: mechanical
protection class: IP-55
Thermal protection: 150°C
actuator stroke / speed: 10m / min
pull force: 600N
engine speed: 1400obr. / min
work intensity: 25% / h (15 cycles / h)
operating temperature (min./max.): -25°C / +75°C
weight: 7,4kg

➤ Acceptable gate parameters

weight: up to 800kg

Easy to use

The DTM8 drive supplied with 230VAC voltage will easily allow to automate sliding gates weighing up to 800kg, used by individual customers and small companies. Available separately and in sets containing all the necessary mechanical and electronic components at attractive prices.

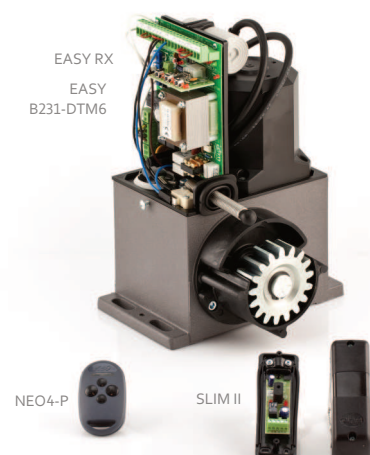
Solid and effective in action

The aluminum body provides a self-locking gearbox with solid support in all conditions, for a long time. Grease lubrication avoids additional maintenance operations, and the unlocked clutch mechanism allows manual operation of the gate in case of failure or power failure.

Simple to start with amazing possibilities

The EASY B231-DTM6 controller is designed to control the actuator drive. Its construction allows to place the control board and the EasyRX radio receiver inside the drive, guaranteeing efficient assembly and start-up. Despite its simple interface, it has advanced algorithms known so far only in more extensive DTM System devices.

Sample set of DTM8



Radio
Receivers

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**EFFECTIVE
SOLUTIONS**



DTM 400

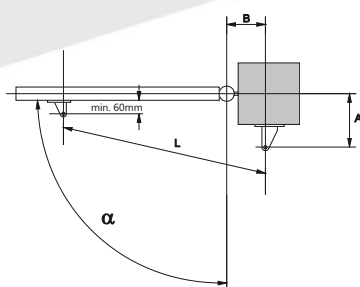
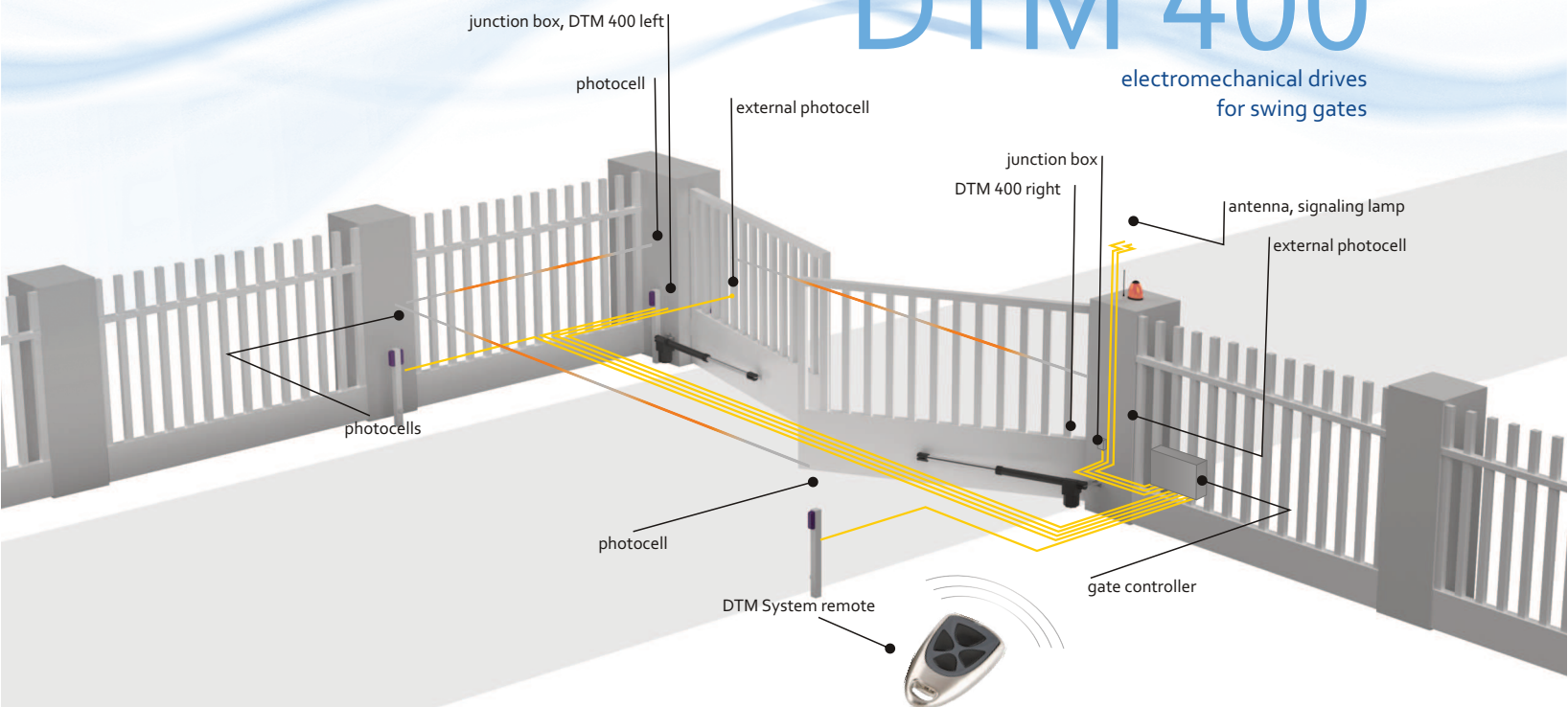


- power supply 230VAC
- self-locking drive mechanism
- cylinder piston made of stainless steel
- reliable construction of the unlocking mechanism

DTM 400 electromechanical drives are designed for swing gates used by individual customers. Available separately and in sets containing all the necessary mechanical and electronic components at attractive prices.

DTM 400

electromechanical drives
for swing gates



Recommended dimensions
DTM 400 (mm)

α	A	B	L
95°	145	145	1122
120°	110	170	1122

When it is not possible to obtain the dimensions given in the table,
other dimensions can be determined:

- for opening the wing 90° $A = B$ (more in the installation instructions)
- the difference between dimensions A and B must be less than 4cm

Basic parameters

housing: aluminum with plastic elements
power supply: 230VAC / 50Hz $\pm 10\%$
power consumption: 1,2A
power: 350W
capacitor: 8 μ F
protection class: IP-43
thermal protection: 150°C
actuator stroke / speed: 18mm/s
pull force: 2200N
engine speed: 1400obr./min
work intensity: 35%/h (21 cycles/h)
operation temperature (min / max): -25°C / 60°C
weight: 5kg

Permissible parameters of the gate leaf

width: to 4m
weight: to 250kg

Versatile in use

DTM 400 drives for swing gates up to 4m long, used by individual customers and small businesses. The easy installation and painted dark housing allow you to quickly and aesthetically integrate the gate automation into an existing or created environment. Drives powered by 230VAC voltage available separately as well as in sets containing all necessary mechanical and electronic components at attractive prices.

Solid and reliable in action

The aluminum drive design and galvanized mounting accessories guarantee reliability and aesthetics in all weather conditions, from -25°C to 60°C. The patented Screw Lock System - SLS and self-locking drive mechanism releases the installer from the use of additional locks in the gate. Grease lubrication avoids additional maintenance operations, and the unlocked clutch mechanism allows manual operation of the gate in case of failure or power failure.

An example of a DTM400 set



Radio
Receivers

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**EFFECTIVE
SOLUTIONS**



DTM 600

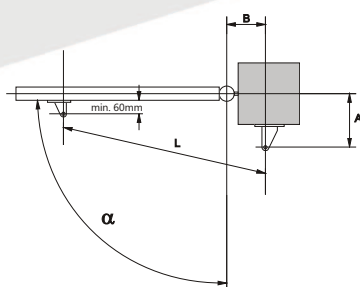
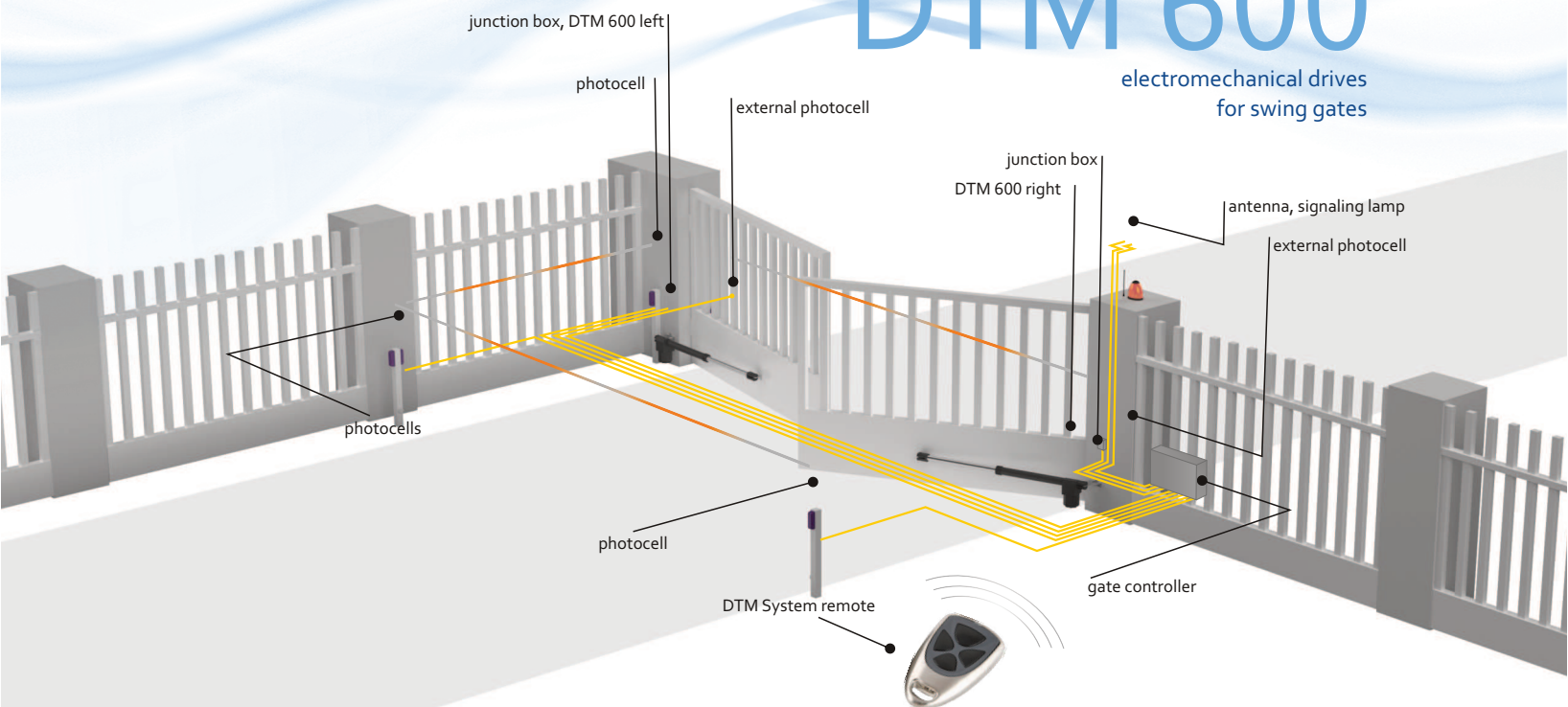


- power supply 230VAC
- self-locking drive mechanism
- cylinder piston made of stainless steel
- reliable construction of the unlocking mechanism

DTM 600 electromechanical drives are designed for swing gates used by individual customers. Available separately and in sets containing all the necessary mechanical and electronic components at attractive prices.

DTM 600

electromechanical drives
for swing gates



Recommended dimensions
DTM 600 (mm)

α	A	B	L
95°	280	280	1516
120°	120	310	1516

When it is not possible to obtain the dimensions given in the table,
other dimensions can be determined:

- for opening the wing 90° $A = B$ (more in the installation instructions)
- the difference between dimensions A and B must be less than 4cm

Basic parameters

housing: aluminum with plastic elements
 power supply: 230VAC / 50Hz $\pm 10\%$
 power consumption: 1,2A
 power: 350W
 capacitor: 8 μ F
 protection class: IP-43
 thermal protection: 150°C
 actuator stroke / speed: 18mm/s
 pull force: 2200N
 engine speed: 1400obr./min
 work intensity: 35%/h (21 cycles/h)
 operation temperature (min / max): -25°C / 60°C
 weight: 6,5kg

Permissible parameters of the gate leaf

width: to 5m
 weight: to 250kg

Versatile in use

DTM 600 drives for swing gates up to 5m long, used by individual customers and small businesses. The easy installation and painted dark housing allow you to quickly and aesthetically integrate the gate automation into an existing or created environment. Drives powered by 230VAC voltage available separately as well as in sets containing all necessary mechanical and electronic components at attractive prices.

Solid and reliable in action

The aluminum drive design and galvanized mounting accessories guarantee reliability and aesthetics in all weather conditions, from -25°C to 60°C. The patented Screw Lock System - SLS and self-locking drive mechanism releases the installer from the use of additional locks in the gate. Grease lubrication avoids additional maintenance operations, and the unlocked clutch mechanism allows manual operation of the gate in case of failure or power failure.

An example of a DTM600 set



automation systems

electromechanical drives for garage doors
DTM BM550 / DTM A550 / DTM A800



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Radio
Receivers

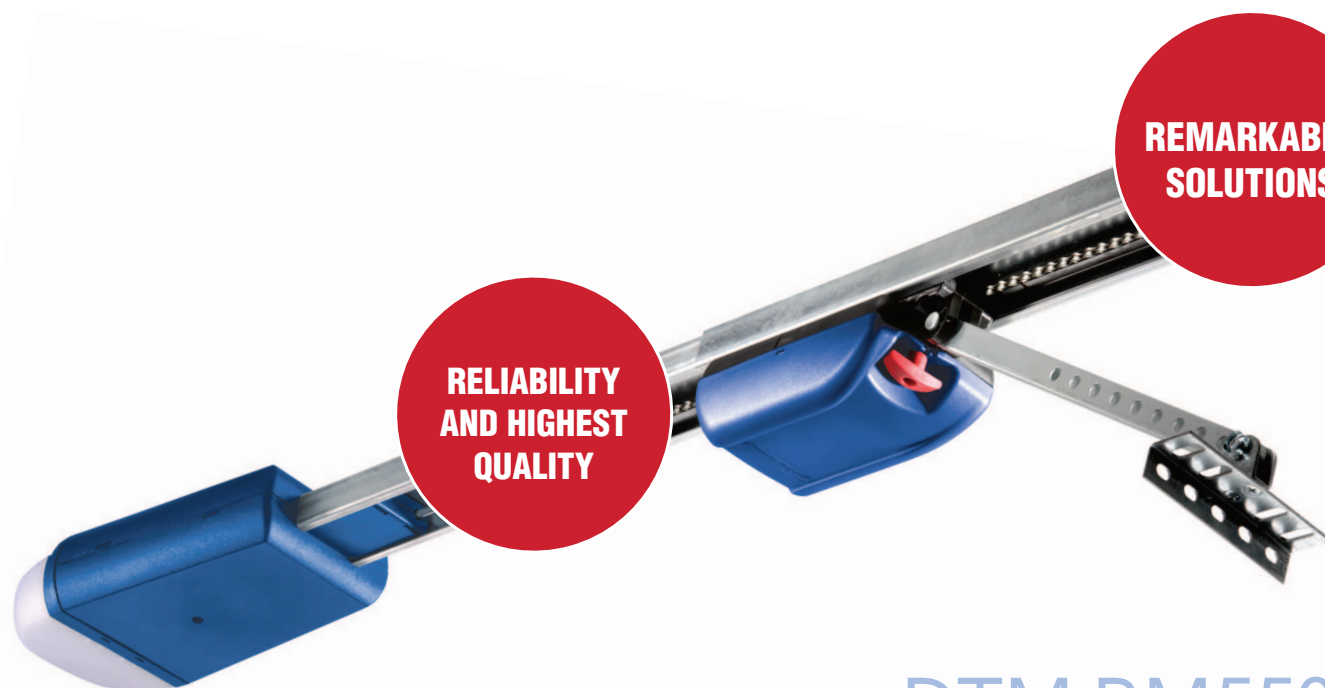
Remotes

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**RELIABILITY
AND HIGHEST
QUALITY**

**REMARKABLE
SOLUTIONS**

DTM BM550
DTM A550
DTM A800



- unique work culture of the drive mechanism - a cart moving on a fixed chain
- extremely quiet work
- easy commissioning due to simple, reliable construction of limit switches
- DPS - force control system is a simple programming, perfect drive operation and a high level of safety
- SVS - a drive locking system that allows you to lock the drive even when the gate is closed

The DTM BM550 garage drive and derivative models are the results of DTM System's cooperation with the German leader in the industry - Sommer. High quality and extraordinary solutions are a guarantee of full satisfaction both during assembly and use at an attractive price.

The drive can be mounted to various types of tilting and sectional garage doors, and after equipping it with additional mechanical elements also for side and wing gates.



DTM BM550 / DTM A550 / DTM A800

electromechanical drives for garage doors

➤ Basic parameters

power supply:	230VAC / 50Hz ±10%
protection class:	IP-20
work intensity:	15%
working temperature:	-20°C do +60°C
thermal protection:	140°C
built-in lighting / lighting time:	32,5V 34W / 15s
built-in limit switches:	mechanical, adjustable in the running rail
noise level generated by the drive:	75dB
length of the running rail:	rail combined with solid and precise elements with a total length of 2550mm
maximum height of sectional / tilting gate:	2300 / 2550mm

➤ DTM BM550 i DTM A550 distinctive parameters

maximum / nominal traction force:	550N / 165N
maximum gate surface:	8,25m ²
maximum width of the gate:	3500mm
power consumption:	0,7A
power consumption / power consumption at rest:	60-220W (140W at 165N) / 7W
maximum speed of the gate movement:	160mm/s

➤ DTM A800 distinctive parameters

maximum / nominal traction force:	800N / 240N
maximum gate surface:	12,6m ²
maximum width of the gate:	6000mm
power consumption:	0,8A
power consumption / power consumption at rest:	80-450W (160W at 240N) / 2W
maximum speed of the gate movement:	150mm/s

➤ Radio control parameters of the DTM433MHz series

radio module:	integrated, superheterodyne
transmission security:	64-bit KeeLoq®
type of modulation, frequency:	OOK, 433MHz
antenna:	internal (connector in the controller for connecting an external antenna)
memory capacity:	35 DTM433MHz series remotes
the ability to delete all memory:	yes
the ability to delete a single remote control:	yes, the need to have a remote control removed
possibility to enter the remote control without access to the controller:	yes, remote easy adding function - only DTM System remote controls
remote addition blocking:	yes

➤ Functionality

user interface:	based on LED diodes, buttons SWITCH and optionally DIP-SWITCH
drive mechanism:	trolley with motor
the possibility of manual opening / closing and locking the gate:	yes, also in the closed gate position
need for additional door locking:	no, self-locking mechanism
programming of the controller's power:	electronic system DPS - precisely selected electrical parameters ensuring fast, quiet operation with soft start and stop
the possibility of connecting additional accessories:	yes, photocells, in DTM A550 / A800 additional 24V max lamp. 1A
control from the NO button:	yes, a wall button and a 5-meter cable connected to the controller as standard
controller:	plug-in control board with integrated radio receiver
built-in signaling and lighting lamp:	yes
security:	meets the requirements of the strict European standard PN-EN 12453: 2002 in the field of safety of using gates with a drive
can be used for gates from different manufacturers:	certificates of compliance with gates of well-known manufacturers
protection against crushing:	extremely sensitive, fast, electronic obstacle detection mechanism, retracting by 100mm and stopping the gate (in DTM A550 / A800 you can activate the function of fully opening the gate)
programming the additional input function:	stop when opening, back or back after photo, as input C2, (functions available only on DTM A550 / A800 models)
operating modes of the built-in lamp:	flashing or on, pre-lighting (DTM A550 / A800 only)
"jump back" function after closing:	yes, from 1 to 5mm (only DTM A550 / A800 models)
function close / open on separate buttons:	yes, C1 - open, C2 - close (only DTM A550 / A800 models)
partial opening of the gate:	yes (only DTM A550 / A800 models)

Available accessories: adjustable sectional door fitting, key lock with cable, Bowden cable, ceiling suspension, 800mm guide extension, ceiling mount, 32.5V / 34W light bulb. For more information, please contact our sales department.