

GIDROLOCK WINNER RADIO ELECTRIC BALL VALVE ACTUATOR

INSTALLATION AND OPERATING INSTRUCTIONS



Purpose and principle of operation of the GIDROLOCK WINNER RADIO electric ball valve actuator

The GIDROLOCK WINNER RADIO electric ball valve actuator ensures the safety of water supply and heating systems. In the event of a leak, the device shuts off the water supply, and also notifies of an emergency with sound and light signals. When water gets on the electrodes of the wired WSP sensor or the WSR.LONG wireless sensor, the water supply is automatically shut off, and corresponding sound and light signals are issued.

The GIDROLOCK WINNER RADIO device consists of a ball valve and an electric actuator for controlling the ball valve (Photo 1).

Installation in hard-to-reach places is possible! During installation, the electric actuator can be disconnected from the ball valve (Photo 1), which simplifies installation and makes it possible to install the GIDROLOCK WINNER RADIO practically on any part of the water supply or heating system (page 11, "Attaching the electric actuator to the ball valve").

Useful features & benefits

For reliable operation of the water leakage prevention system, the following functions are implemented in the GIDROLOCK WINNER RADIO electric ball valve actuator:

- **8 years of autonomous operation.** Fully autonomous operation. Estimated operating time of the GIDROLOCK WINNER RADIO electric ball valve actuator on 4 built-in batteries (AA 3000 mAh Lithium type) in standby mode is up to 8 years (Photo 2). It is possible to connect an external +12V power supply (not included in the package, purchased separately).

- **Reliable control of water leaks.** The GIDROLOCK WINNER RADIO electric ball valve actuator works with wired WSP sensors (Photo 3) and WSR.LONG water leakage wireless sensors (Photo 4).

- **Automatic control of the charge level of built-in batteries.** When the voltage of the built-in batteries drops below a certain level, a corresponding warning sound signaling is triggered (10 sound signals with an interval of 10 minutes).

ATTENTION! You can mute the warning sound signaling (until the next event) by simultaneously pressing the CLOSE and OPEN buttons on the electric actuator housing (Photo 6). After replacing the batteries, the warning sound signaling will turn off automatically.



Photo 1. Ball valve and electric actuator



Photo 2. Battery set AA 3000 mAh Lithium



Photo 3. Wired water leakage sensor WSP



Photo 4. Water leakage wireless sensor WSR.LONG



Photo 5. Internal "cranking" of the ball valve during self-cleaning

ATTENTION! When a warning signal is received, the batteries in the electric actuator must be replaced (see page 13). The battery charge level automatic control function works only with the autonomous operation of the electric actuator.

• **Self-cleaning function.** With long-term operation of the equipment, problems often arise with the deposition of salts and dirt in the pipes and in the actuator, the so-called scaling. Once a month, the electric actuator performs a "cranking" of the ball valve (Photo 5), provided that the electric ball valve actuator is in the open state.

• **There is a possibility of manual control of the ball valve position and quick disconnection of the electric actuator from the ball valve.** Now it is possible to install GIDROLOCK WINNER RADIO electric ball valves instead of manual taps at water inlet to an apartment or house, which reduces costs and saves space in the plumbing cabinet (see Photos 24, 25, 26, 27, 28, pages 11, 12, in sections "Attaching the electric actuator to the ball valve" and "Manual control of the ball valve position").

• **Built-in remote control of the ball valve position.** Leaving the apartment, you can remotely shut off (open) the water supply using a conventional wired switch (Photo 16, page 8) or a touch-sensitive wireless radio switch (Photo 19, page 8) located, for example, in the corridor.

• **Wide range of supply voltage.** The supply voltage to the electric ball valve actuator can range from 6V to 12V. It is absolutely safe for health when used in domestic water supply systems.

Switching on for the first time

The GIDROLOCK WINNER RADIO electric ball valve actuator is supplied unassembled. A set of batteries is included in the delivery and installed in the housing of the electric actuator. To prevent the batteries from being discharged during transportation and storage, a jumper is removed on the control board, which is responsible for supplying power - a **jumper (1)**, located on the inside of the electric ball valve actuator cover (Photo 7).

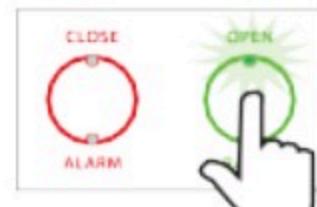
To switch the device on:

- Disconnect the electric actuator from the ball valve.
- Open the cover of the electric actuator. Install the **jumper (1)** on the control board located on the inner side of the cover.

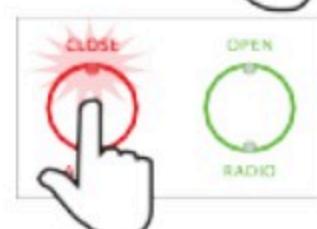
Basic control elements of the GIDROLOCK WINNER RADIO electric ball valve actuator



The actuator housing contains OPEN and CLOSE buttons and light indicators: red CLOSED LED, green OPEN LED, red ALARM LED, green RADIO LED.



If the **OPEN button is pressed** and held for 3 seconds until a long beep, the actuator will open and all alarms will be reset. The end of the motor operation when the ball valve is fully open is signaled by two short beeps. If the ball valve is already open, two short beeps sound at once, the motor does not work.



If **CLOSE button is pressed** and held for 3 seconds until a long beep, the actuator will close and all alarms will be reset. The end of the motor operation when the ball valve is completely closed is signaled by two short beeps. If the ball valve is already closed, two short beeps sound at once, the motor does not work.

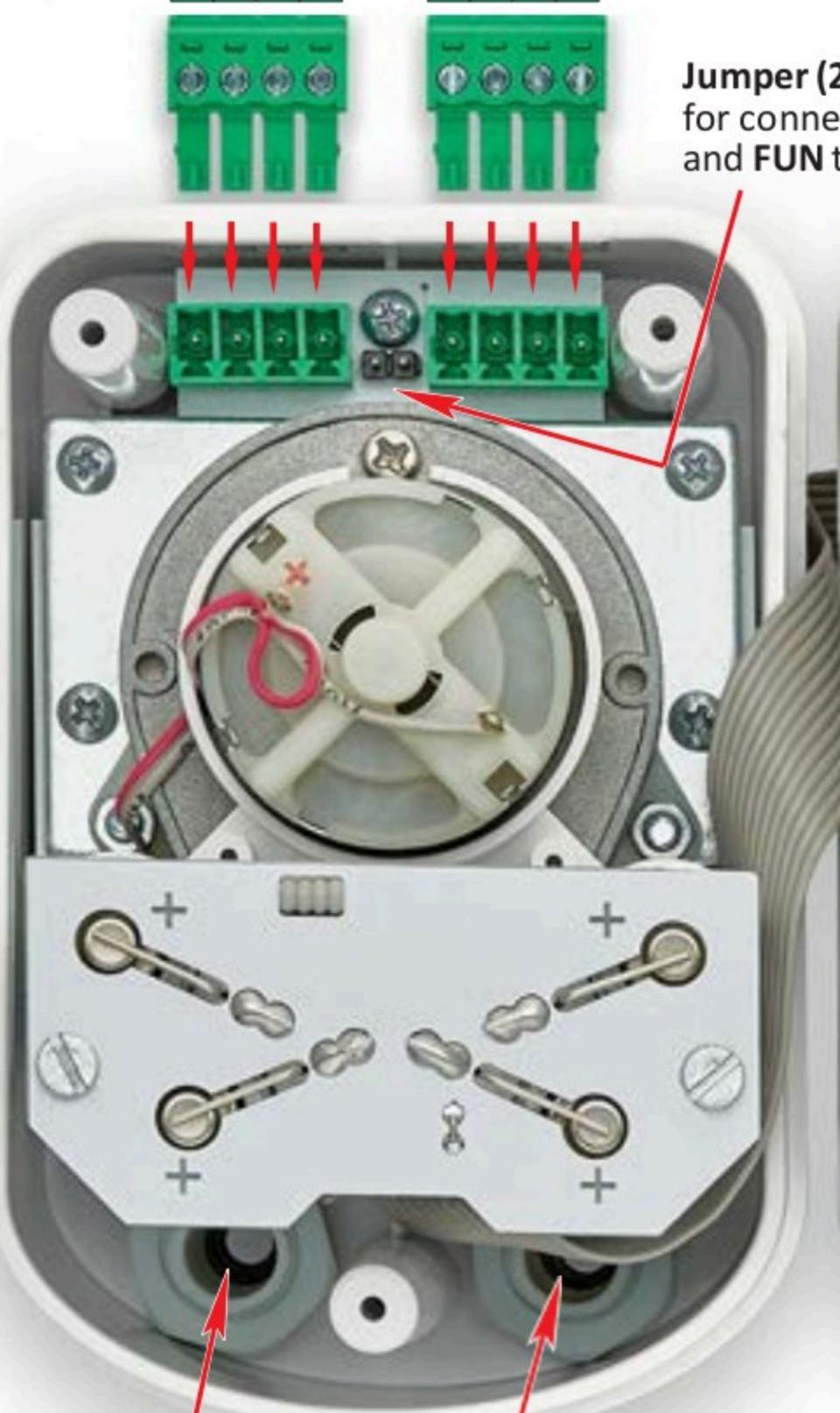
Terminals
+U, GND,
+3V, OUT



Terminals
INP, FUN,
CH1, CH2



Jumper (2)
for connecting the OUT
and FUN terminals



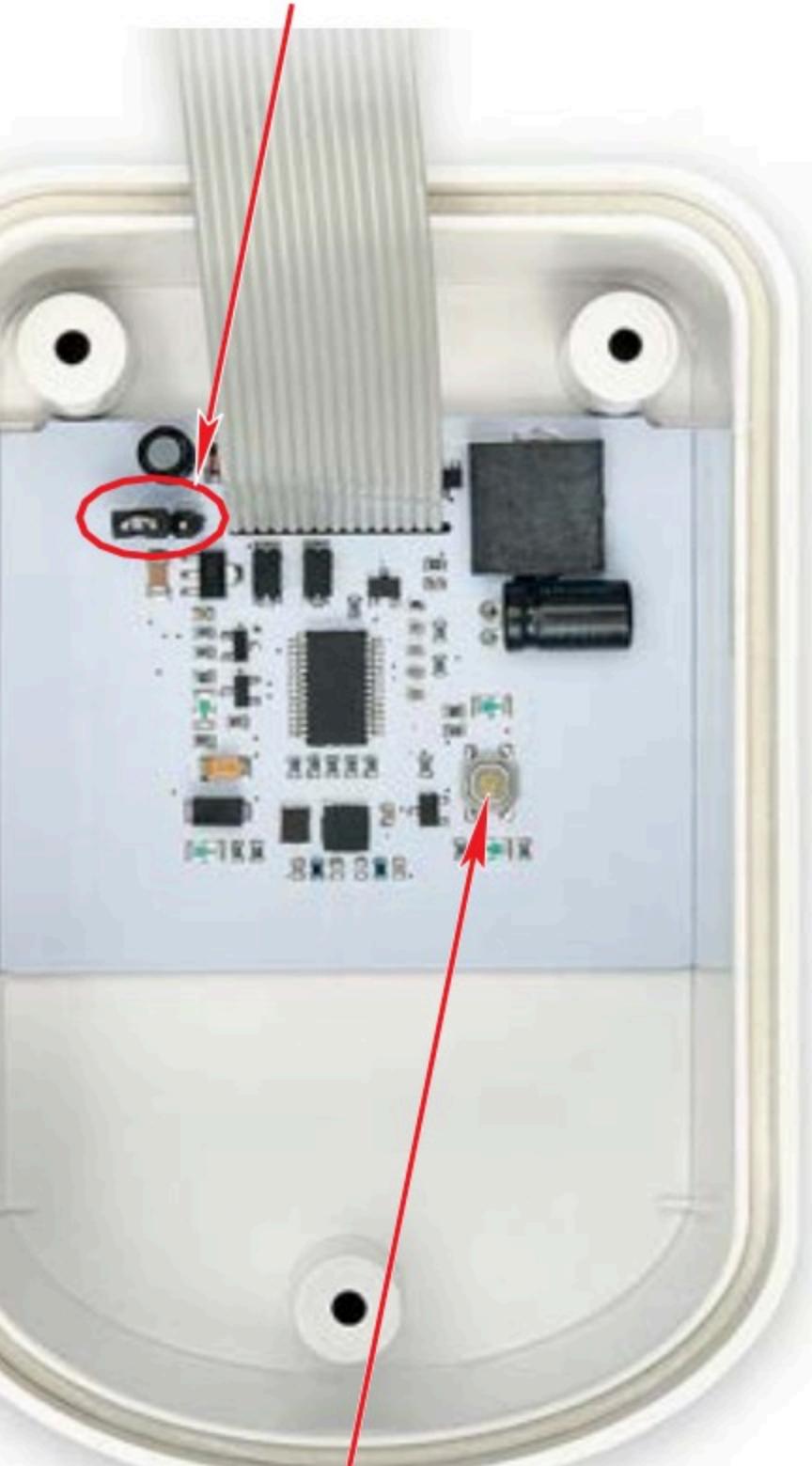
Places for cable entry
into the actuator housing

CLOSE control button
and
CLOSED, ALARM
LEDs

OPEN control button
and OPEN, RADIO LEDs



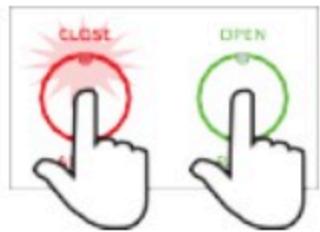
Jumper (1)
for power on/off



SET/RESET button

Photo 6. Electric actuator for ball valve control, with cover removed

Photo 7. Controls on the inside of the electric ball valve actuator cover



Simultaneous pressing of the OPEN and CLOSE buttons leads to light and sound indication of the electric ball valve actuator. First, information about the status of the valve (open or closed) is displayed for 2 seconds, then the standby mode is turned on, if there are no emergency situations. In case of any abnormal situation, an indication occurs in accordance with the table “Emergency mode. Light and sound indication of the electric actuator mode” (page 5).

By simultaneously pressing the OPEN and CLOSE buttons, the sound signaling of abnormal situations stops until the next detection of such a situation. This does not reset alarms.

The **green OPEN LED** and the **red CLOSED LED** indicate the position of the electric actuator.



The **green RADIO LED** blinks constantly when the device is switched on — the radio path is active. In standby mode, the radio channel is monitored once every 1 second (green RADIO LED flashes). In the presence of a signal from a wireless sensor, the command is received, interpreted and executed.



The **red ALARM LED** is intended to signal emergency operating modes of the electric actuator. In the absence of emergency situations, the red ALARM LED **does not light up!**

The **red ALARM LED** is continuously on (powered by an external DC 12V power supply) or blinks (powered by batteries) in the following emergency situations:

- There is a water leakage signal from the WSR.LONG wireless sensor or the WSP wired sensor.
- The WSR.LONG sensor has not communicated for more than 24 hours.
- Undervoltage of batteries in the electric actuator.
- Undervoltage of the batteries of the WSR.LONG sensor.

Light indication of the electric actuator position: OPEN and CLOSED LEDs

Power supply type:	With external DC 12V power supply		When powered by batteries	
Light signaling:	Green LED OPEN	Red LED CLOSE	Green LED OPEN	Red LED CLOSE
Electric actuator closes		flashing		flashing
Electric actuator opens	flashing		flashing	
Electric actuator open	grows constantly		short flash 1 time in 5 seconds	
Electric actuator closed		grows constantly		short flash 1 time in 5 seconds

Light indication of the state of the electric actuator's radio channel: green RADIO LED

	green RADIO LED
In standby mode, the radio channel is monitored once every 1 second (flash of green RADIO LED). In the presence of a signal from a wireless sensor, the command is received, interpreted and executed.	1 flash every 1 second when monitoring a radio channel
The electric actuator is in the familiarization (registration) mode with new leakage sensors WSR.LONG	flashing

Emergency mode. Light and sound indication of the electric actuator mode

When a water leak (emergency) is detected, a long sound signal is turned on, then a short sound signal is turned on with a frequency of 1 time in 2 seconds. At the same time, the red ALARM LED and the red CLOSED LED blink (when powered by batteries) or are continuously on (when powered from an external 12VDC power supply).

Alarms are indicated by pressing the CLOSE and OPEN buttons simultaneously:

Alarm. Water leakage is detected by WSP wired sensor	Simultaneously 10 short beeps and flashes of the ALARM LED.
Alarm. Water leakage detected by WSR.LONG wireless sensor	Simultaneously "N" short beeps and flashes of the red ALARM LED.
Emergency situation. The WSR.LONG wireless sensor has not communicated for more than 24 hours. It is necessary to check this wireless sensor. Resets automatically when a communication control signal is received from the corresponding wireless sensor	Simultaneously "N" short beeps and flashes of the red ALARM LED and the green RADIO LED.
Emergency situation. WSR.LONG sensor transmitted data about low battery voltage. It is necessary to replace the battery in the failed wireless sensor	Simultaneously "N" short beeps and flashes of the green RADIO LED.
Emergency situation. Undervoltage in the batteries of the GIDROLOCK WINNER RADIO electric actuator	Simultaneously 10 long beeps and flashes of the red ALARM LED.

Where "N" is the serial number of the WSR.LONG wireless sensor, assigned during the familiarization (registration) with the GIDROLOCK WINNER RADIO electric actuator.

ATTENTION! In the absence of emergency situations, the red ALARM LED does not light up.



Photo 8. Insert the sensor wire into the cable gland



Photo 9. Terminals for connecting wired sensors — INP, GND



Photo 10. Connecting the sensor wire to the mating connector of the electric actuator



Photo 11. Connecting the sensor to the electric actuator

Installation and connection of WSP wired water leakage sensors

- Install water leakage sensors in places where water is most likely to appear in the event of leaks — for example, on the floor under the sink, bathtub, washing machine. If necessary, you can extend the WSP leakage sensor wires up to 100 meters. For this purpose, it is recommended to use a twisted pair cable, e.g.: FTP 2x2x0.35, UTP 2x2x0.35.
- Place the water leakage sensors on the floor with the electrodes facing down. All wired water leakage sensors are connected to the terminals in parallel. To connect a large number of sensors, it is necessary to use additional terminal contacts and junction boxes.
- Connect the WSP water leakage sensors to the GIDROLOCK WINNER RADIO electric ball valve actuator (Photos 8, 9, 10, 11). Terminals for connecting wired water leakage sensors: **INP, GND** (INP, GND — any color of the WSP sensor wire).

Installation of WSR.LONG wireless water leakage sensors

- The wireless sensors are placed on the floor with the electrodes pointing downwards. The wireless sensors can be anchored to the floor using the supplied fastening element (Photo 12). To do this, use the supplied self-tapping screw to anchor the fastening element to the floor or glue it to the floor (Photo 13).
- On the body of the fastening element there are special projections for fixing. During installation, these projections must coincide with the corresponding slots in the wireless sensor board (Photos 13, 14).
- To detach the wireless sensor from the fastening element, you need to easily pull the wireless sensor up. Then, gradually rotating the body (Photo 14), you need to find the position at which the wireless sensor can be disconnected from the fastening element.

ATTENTION! The wireless sensor can be disconnected from the fastening element and connected to it in one position only. Do not use excessive force when disconnecting (attaching) the sensor.



Photo 12. Wireless sensor and fastening element



Photo 13. Aligning the protrusions



Photo 14. Fixing to the floor

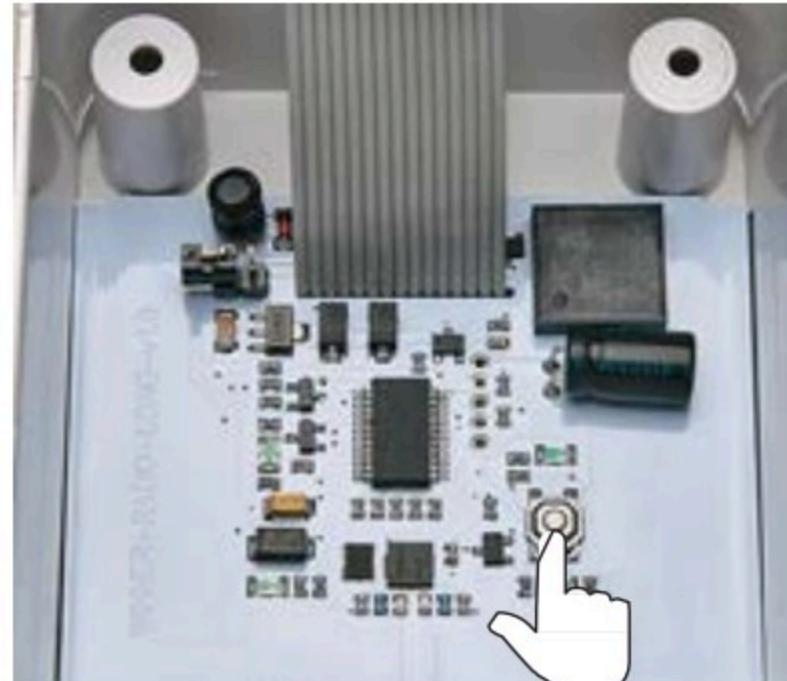


Photo 15. Press the SET/RESET button of the electric actuator

Connecting WSR.LONG wireless water leakage sensors

ATTENTION! 10 WSR.LONG wireless sensors can be connected to one GIDROLOCK WINNER RADIO electric ball valve actuator.

Before starting work, you need to **perform the familiarization** (registration) procedure of each WSR.LONG wireless sensor with GIDROLOCK WINNER RADIO electric actuator:

- Press the SET/RESET button (Photo 15) and hold it for about **3 seconds** (but not more than 9 seconds!) until the green RADIO LED starts blinking.
- ATTENTION!** Pressing the SET/RESET button (Photo 15) and holding it for **more than 9 seconds** until the start of a continuous beep will return the factory settings and erase all previously familiarized (registered) WSR.LONG wireless sensors in the non-volatile memory of the GIDROLOCK WINNER RADIO electric ball valve actuator.
- Wet the electrodes of the new wireless WSR.LONG water leakage sensor to familiarize it with the electric actuator. After the system detects a new WSR.LONG water leakage sensor, the red ALARM LED will generate a sequence of light flashes informing about the serial number of the new wireless sensor in the system. The serial number is intended to identify the triggered wireless sensor during operation.

ATTENTION! If, upon familiarization, the green RADIO LED will generate a sequence of light flashes instead of the red ALARM LED, this means that this wireless sensor has already been familiarized with the electric actuator.

- Write down the data of the new wireless sensor in the wireless sensor location table.
- In the same way familiarize all other wireless sensors of water leakage with the electric actuator.

Connecting the remote wired switch to the electric ball valve actuator

For remote control of the water supply, **any mechanical switch** with latching position for external or internal wiring (Photo 16) (not included) **must be connected** to the FUN and GND terminals of the electric actuator.



Photo 16. Switch for external wiring



Photo 17. Connecting a wired switch

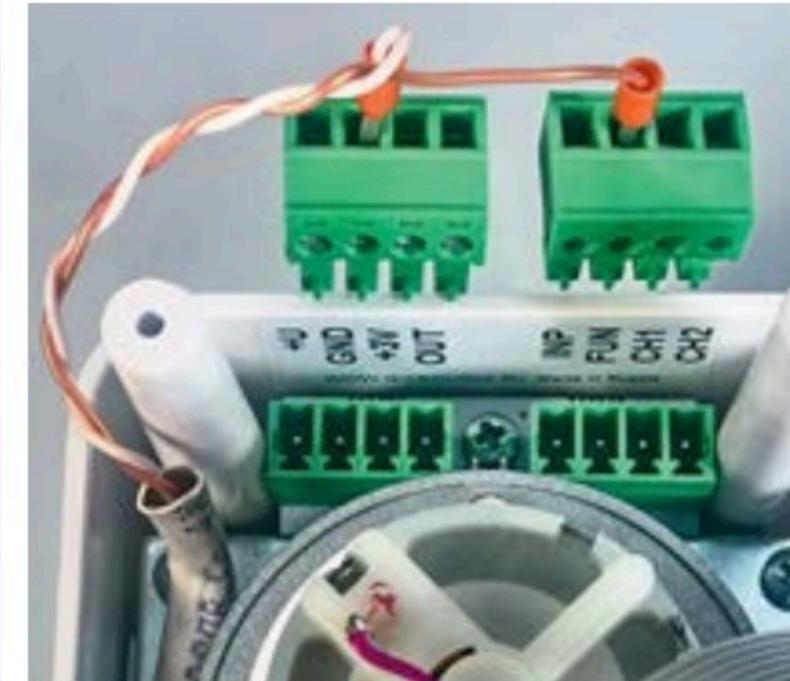


Photo 18. Connecting a wired switch to the electric actuator



Photo 19. GIDROLOCK WINNER LONG touchscreen wireless radio remote control

Terminals for connecting a switch for remote opening/shutting off the water supply: FUN, GND (shorting the FUN and GND terminals will close the actuator, opening these terminals will open the actuator) (Photo 18).

For connection, it is recommended to use a twisted pair cable, e.g.: FTP 2x2x0.35, UTP 2x2x0.35 (Photo 17). The switch can be located in a convenient place for you (for example, in the corridor).

Now you can shut off (open) the water supply remotely.

ATTENTION! When a water leak is detected, signals from the remote water supply control switch are ignored by the device until the accident is eliminated.

ATTENTION! Do not apply voltage to the FUN, GND terminals.

Connection and installation of the GIDROLOCK WINNER LONG remote sensor wireless radio control box

Another option for remote control of water supply is the **installation of a sensor wireless radio control box GIDROLOCK WINNER LONG (CLOSE/OPEN)**, photo 19 (not included, purchased separately).

ATTENTION! Install the GIDROLOCK radio remote control box in places with stable radio communication, convenient for maintenance. Do not place the radio remote control box on a metal surface or inside metal cabinets, as this will impair radio communication.

Main technical characteristics of the GIDROLOCK WINNER LONG touchscreen radio remote control box:

- receive and transmit frequency
- system operating temperature range
- battery type in the radio remote control box

915 MHz
0°C ... + 60°C
CR2450

For the correct operation of the GIDROLOCK radio remote control box, you need to **perform the familiarization (registration) procedure of the GIDROLOCK WINNER LONG radio remote control box with the GIDROLOCK WINNER RADIO electric actuator**:



- Press the SET/RESET button of the electric actuator (Photos 7 and 15) and hold it for about **3 seconds** (but not more than 9 seconds!) until the green RADIO LED starts blinking.

- Briefly touch the touch panel of the radio remote control box with your finger in the area of the inscription "close" or "open" (Photo 20). After the system detects the radio remote control, the red ALARM LED will emit a sequence of light flashes informing about the serial number of the new radio remote control box in the system. The serial number is intended to identify the radio remote control box in the memory of the GIDROLOCK WINNER RADIO actuator.

ATTENTION! If, upon familiarization, the green RADIO LED will generate a sequence of light flashes instead of the red ALARM LED, this means that this radio remote control box has already been familiarized with the electric actuator.

- In the same way familiarize all other GIDROLOCK radio remote control boxes with the electric actuator (if they are provided in the system).

ATTENTION! It may take up to 2 seconds for the response to the "Open/Close" command from the radio remote control box. If the execution of the command is not required (for example, the "Open" command in the open state), the panel will emit 2 short beeps. One long beep sounds after command execution.

ATTENTION! 10 radio remote controls can be connected to one GIDROLOCK WINNER RADIO electric ball valve actuator, regardless of the previously recorded WSR.LONG wireless sensors.

ATTENTION! Pressing the SET/RESET button (Photo 15) and holding it for **more than 9 seconds** until the start of a continuous beep will return the factory settings and erase in the non-volatile memory of the GIDROLOCK WINNER RADIO actuator all previously familiarized (registered) WSR.LONG wireless sensors and GIDROLOCK WINNER LONG radio remote controls.

Mounting, installation and removal of the GIDROLOCK WINNER LONG sensor radio remote control

- Fix a special plastic frame to the wall using two self-tapping screws in the holes (A) Fig. 1 or glue it to a flat surface using double-sided tape (included).

ATTENTION! Attach the frame to the wall with the slots on the frame facing down.

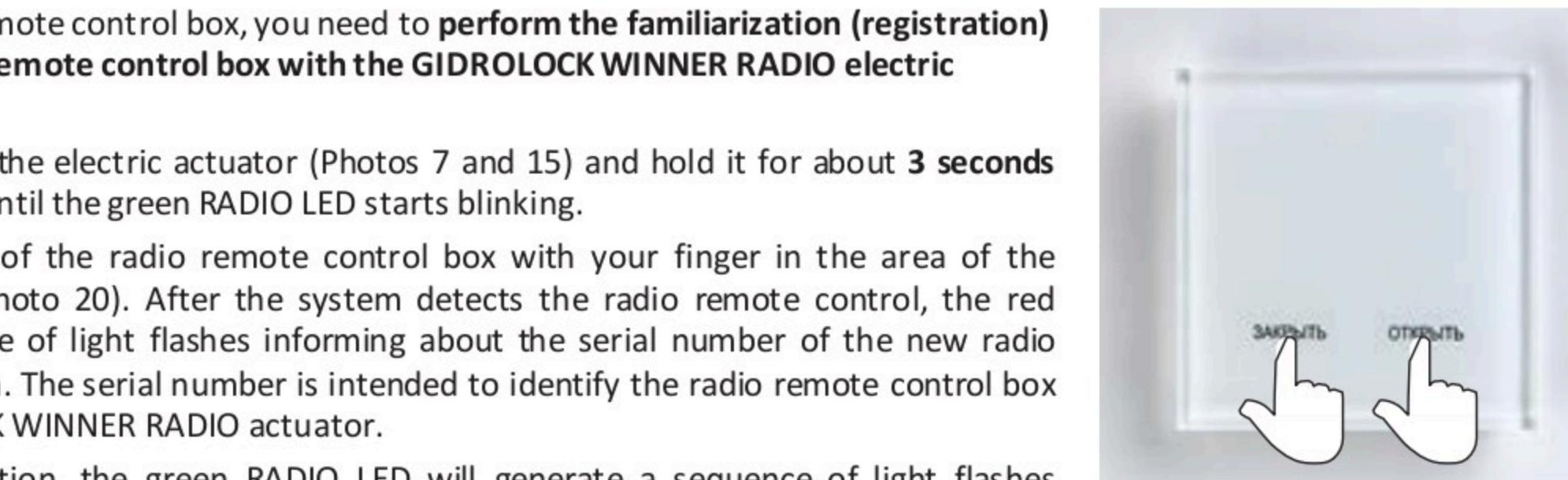


Photo 20. Touch the touch panel of the radio remote control box

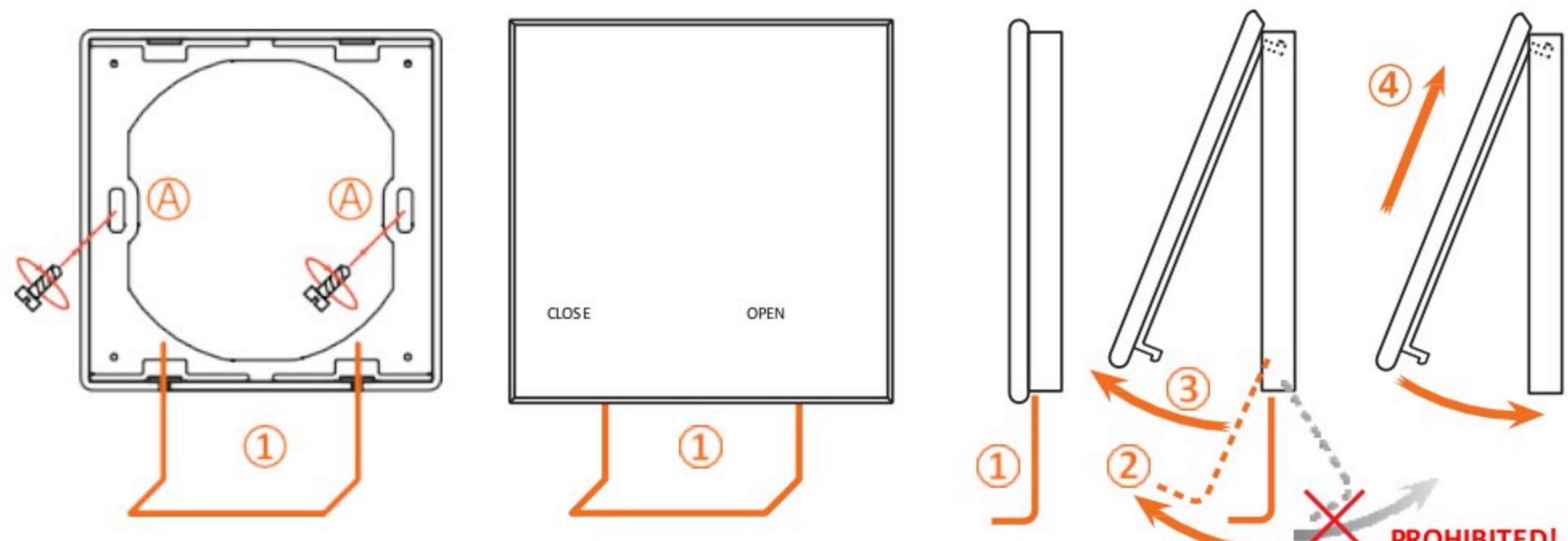


Fig. 1. Mounting, installation and removal of the sensor radio remote control

- Installing the radio remote control: insert the radio remote control housing into the special plastic frame (4). Press the radio remote control until it clicks.
- To remove the radio remote control, you need a special U-shaped bracket (included), which must be inserted into the special holes (1) on the underside of the panel case. Gently pulling the bracket towards you (2), unclip (squeeze) the plastic clips and remove the radio remote control (3).

Combining several electric actuators of the GIDROLOCK WINNER series into a system

In certain cases, it may be necessary to connect the GIDROLOCK WINNER RADIO electric ball valve actuator with other electric actuators of the GIDROLOCK WINNER series. For example, if the water supply system provides for shutting off cold and hot water, then two devices will be required to solve this problem: one GIDROLOCK WINNER RADIO electric ball valve actuator (as master) and one GIDROLOCK WINNER electric ball valve actuator (as slave).

Several electric actuators can be connected to the master device (Fig. 2). Terminals for combining two or more electric actuators into a single system: **OUT**, **GND**, **FUN**.

The **GND terminal** of the GIDROLOCK WINNER RADIO electric ball valve actuator is connected to the corresponding GND terminals of other electric actuators of the GIDROLOCK WINNER series.

The **OUT terminal** of the GIDROLOCK WINNER RADIO electric ball valve actuator is connected to the corresponding OUT terminals of other electric actuators of the GIDROLOCK WINNER series.

The **FUN terminal** of the GIDROLOCK WINNER RADIO electric ball valve actuator is connected to the corresponding FUN terminals of other electric actuators of the GIDROLOCK WINNER series.

ATTENTION! In one of the electric actuators, connect the **OUT** and **FUN** terminals together or install a **jumper (2)** (Fig. 2, Photo 6).

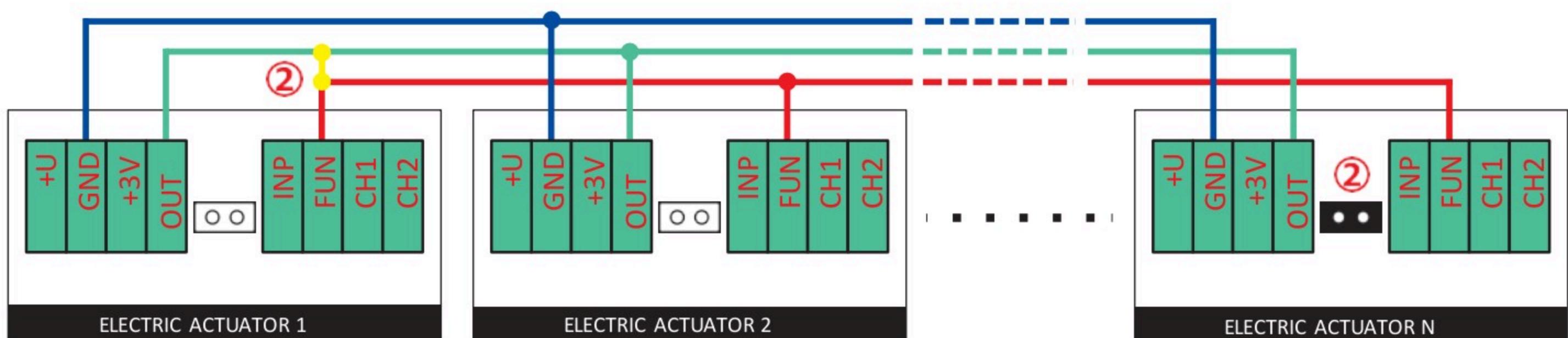


Fig. 2 Integration of several electric ball valve actuators from the GIDROLOCK WINNER RADIO and GIDROLOCK WINNER series



Photo 21. External AC 220V power supply unit of the electric actuator

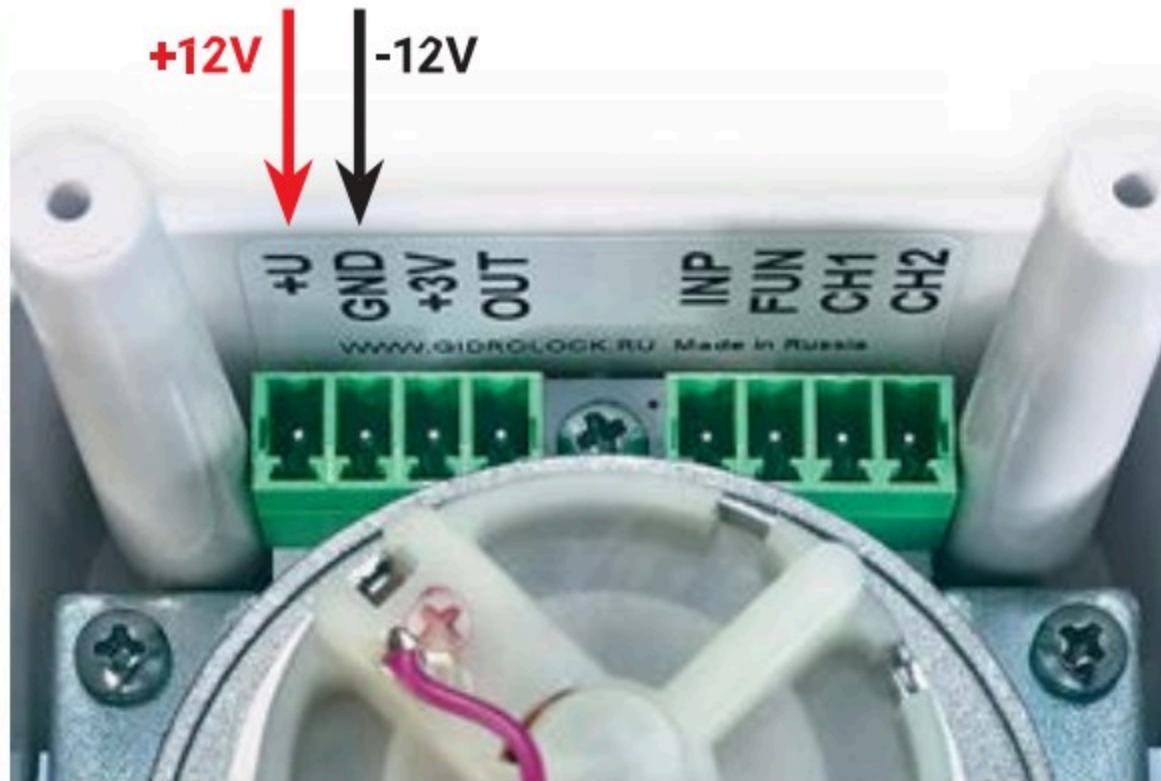


Photo 22. Electric actuator connector terminals for connecting an external +12V power supply

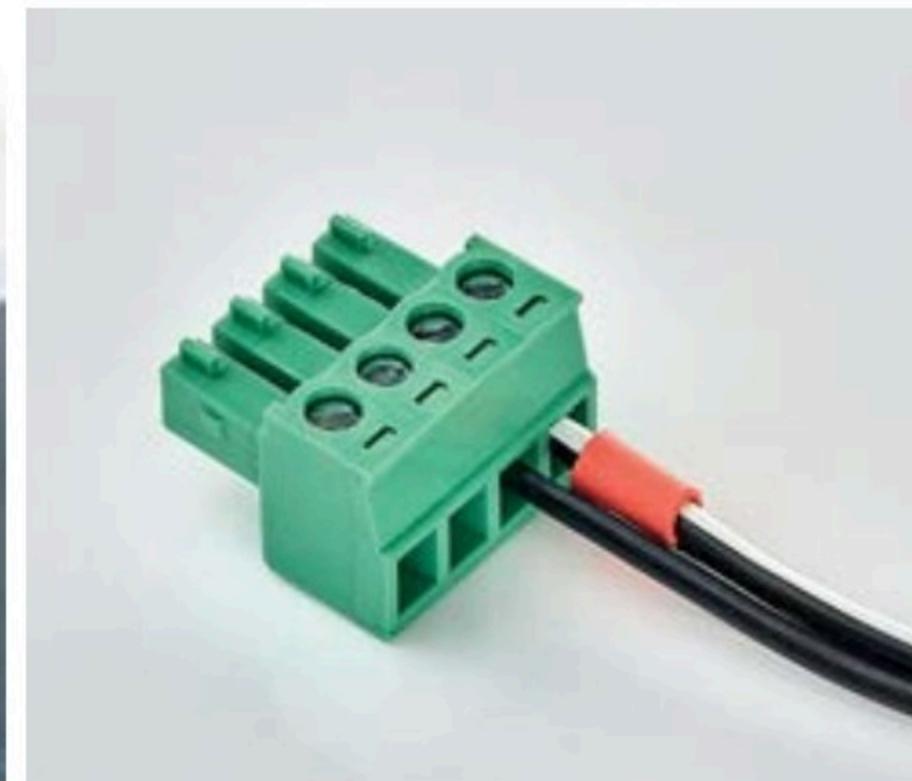


Photo 23. Connecting an external +12V power supply to the mating connector of the electric actuator

Connecting the GIDROLOCK WINNER RADIO device to an external power supply

Estimated operating time of the GIDROLOCK WINNER RADIO electric ball valve actuator based on 4 built-in batteries (type AA 3000 mAh Lithium) in standby mode (auto-cranking once a month, no emergency situations, remote water supply shutdown is not used) is up to 8 years. Frequent remote shutdown of the water supply, the presence of emergency shutdowns and other emergency situations with the shutdown of the water supply by the electric ball valve actuator leads to a significant decrease in the operating time with one set of batteries. In such cases, it is recommended to use an external 12VDC power supply (Photo 21).

When using an external power supply unit, it is necessary to connect the red wire (+12V) of the power supply to the +U terminal of the electric actuator, connect the black wire (-12V) of the power supply to the GND terminal of the electric actuator (Photo 22, 23).

ATTENTION! In some models of the power supply, the color coding of the wires may differ from the above. It is recommended to first check the description of the power supply and observe the polarity of the voltage in accordance with it.

Attaching the electric actuator to the ball valve

The electric actuator is attached to the ball valve with a metal bracket (Photo 24). To do this, connect the electric actuator and the ball valve by inserting the valve stem into the hole of the electric actuator gearbox (Photo 25), rotate the electric actuator housing relative to the ball valve so that the holes for the bracket on the electric actuator housing coincide with the grooves on the round mounting face of the valve. Then insert the bracket as far as it will go, its ends should be in the opposite holes of the electric actuator housing (Photo 26) (slight effort may be required).



Photo 24. Electric actuator with detached ball valve and metal bracket



Photo 25. Fastening the electric actuator to the ball valve with a metal bracket



Photo 26. Fastening the electric actuator to the ball valve with a metal bracket

Manual control of the ball valve position

To manually control the position of the ball valve, you need to remove the metal bracket (Photo 27), then, without removing the electric actuator from the valve mounting face, turn the electric actuator housing 90 degrees to close or open the ball valve (Photos 28 and 29)



Photo 27. Removing the metal retainer to disconnect the actuator from the ball valve or manually control the ball valve



Photo 28, 29. Manual control of the ball valve

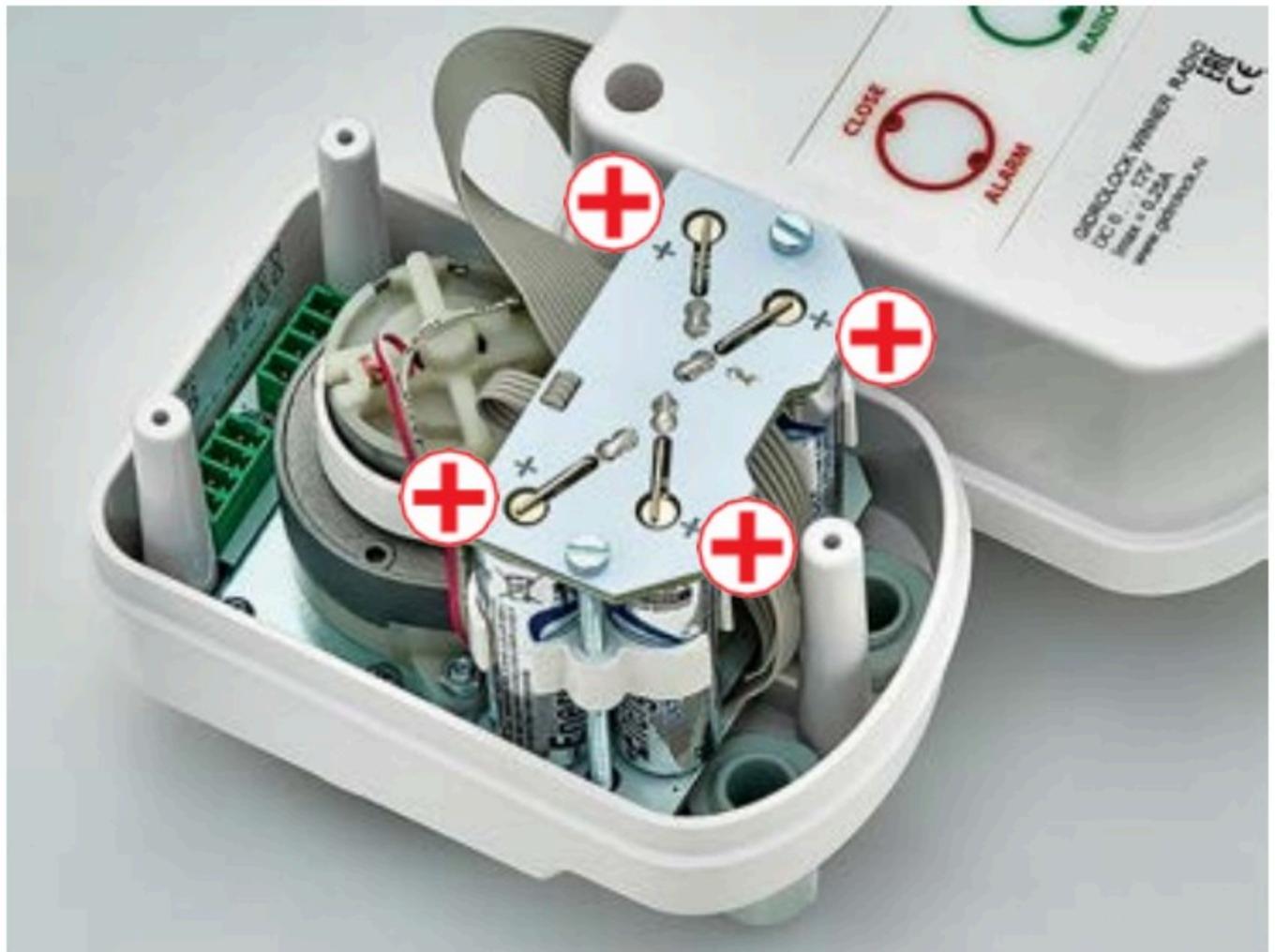


Photo 30. Electric actuator with top cover removed



Photo 31. Contact plate is removed, batteries can be replaced

Installing and replacing batteries

To replace the batteries:

- Disconnect the electric actuator from the ball valve (Photo 24).
- Unscrew the 3 self-tapping screws on the cover of the electric actuator. Open the cover of the electric actuator (Photo 30).
- Unscrew the 2 long screws securing the 4 batteries and the contact plate (Photo 31). Replace batteries.

ATTENTION! Observe the polarity when replacing the batteries as shown in Photos 30 and 31.

- Gently tighten the 2 screws securing the 4 batteries and the contact plate.

ATTENTION! Do not overtighten the screws to avoid bending the PCB.

- Close the cover of the electric actuator and screw the 3 self-tapping screws on the cover of the electric actuator.
- Check the functionality of the electric actuator after replacing the batteries.

ATTENTION! The operating time of the electric actuator in autonomous mode depends on the type and quality of the batteries installed.

Performance check

- To check if the water leakage protection function has been activated, open a hot and cold water tap (e.g., in a bathroom).
- Wet the sensor electrodes.

FCC statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

ATTENTION! Additional information on the installation and operation of the GIDROLOCK WINNER RADIO electric ball valve actuator can be found on the website www.gidrolock.ru

Technical specifications

Working radio frequency	915 MHz
Type of radio sensors	WSR.LONG
Number of connected radio sensors	10 pieces
Type of wired sensors	WSP
Number of connected wired sensors	10 pieces
Valve diameter	½" ... 1" inch
Maximum working pressure	40 bar
End thread type	pipe G½" ... G1"
Ball valve material	brass CW617N
Working fluids	water or any fluid compatible with P.T.F.E.
Flowing type of the ball valve	full bore
The material of the gears	steel
Stem seal	NBR O-rings
Supply voltage	4 AA batteries or an external source of 6-12 V
Battery life	8 years
Power consumption	1.4 W
Torque	16 N*m
Response time (90° rotation)	15 seconds
Minimum product life	250,000 opening/closing cycles
Degree of protection	IP65
The length of the connecting wire	1 meter
Possibility of manual opening of the tap	yes
Ambient temperature operating range	0°C ... + 60°C
Country of manufacture	Italy / Russia
Warranty period	6 years
Packing dimensions	130x140x90 mm
Drive weight	1.05 kg

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ENGINEERING SAFETY SYSTEMS

Warranty Certificate

Dear customer! Thank you for purchasing our product.

The GIDROLOCK WINNER RADIO system will serve you for a long time and will protect you from troubles associated with accidents in the water supply and heating systems.

The warranty period for the GIDROLOCK WINNER RADIO system is 6 years from the date of sale. Batteries are not covered by the warranty period.

The conditions for fulfilling the warranty are:

1. Availability of a completed Warranty Certificate for the GIDROLOCK WINNER RADIO system.
2. Correct fulfillment of all conditions for the installation and operation of the equipment in accordance with the operating instructions for the GIDROLOCK WINNER system.

Warranty obligations do not apply to products with defects resulting from mechanical damage, incorrect connection of system elements and failure to follow the installation and operating instructions.

Sale Date / 20

Signature of the seller _____

I have no complaints about the appearance and configuration of the product. I agree with the

terms of the warranty. Buyer's signature _____

GIDRORESURS LLC

8 (495) 585-12-59

8 (498) 720-52-28

8 (495) 120-50-02

8 (800) 707-51-58

(free in Russia)

www.gidrolock.ru