

# BLINK

## Built-in radio transmitter

v.1.3

### 1. Purpose of the transmitter

The device is intended for installation in all types of vehicles, so that with the use of existing electrical circuits (e.g. traffic lights), selected devices can be discreetly and easily controlled by radio. The method of its activation depends solely on the individual needs and creativity of the user. The BLINK transmitter can also be coupled with any alarm systems, gate automation, as well as intelligent home installations equipped with any DTM433MHz receiver. The control works on the principle of 4 in 1.

### 2. Transmitter parameters

▶ input (control)	6...30VDC $\pm$ 10%
▶ number of channels	4
▶ frequency	433,92MHz
▶ maximum range	to 150m
▶ effective radiation power	to 10mW
▶ system	Keeloq®
▶ operation temperature	-20°C / +55°C
▶ protection degree	IP-66
▶ dimensions without / with a handle	48 x 42 x 22mm / 64 x 42 x 22mm
▶ weight	40g
▶ element of system	DTM433MHz

### 3. The installation of the transmitter

The transmitter can be connected to the installation directly to an actuator, such as a low-voltage light bulb, acoustic signaling device, etc. The transmitter can be coupled with an alarm system, intercom system and a smart home installation, as well as connected to another device with a voltage from 6 to 30V. The waterproof casing gives full freedom in choosing the place of installation of the device, and the metal handle guarantees a solid mounting.

The control signal from the automation should be connected to two wires of the BLINK transmitter (red wire +6 ... 30V DC, black wire 0V).



For the safety of the automation installation, the control of the BLINK transmitter should be secured with a minimum fuse of 100mA (Fuse and the corresponding slot are not included in the set).

An exemplary electrical diagram of the connection is shown in Figure 3. Giving the control impulse will send a radio signal from the transmitter. The number of control pulses corresponds to the number of a button in a standard remote control (e.g. giving three pulses corresponds to pressing the third button of a standard remote control; see fig. 2). In the combinations of the pulses provided, there is a short pulse (less than 1 second) and a long pulse (greater than 1 second, limited to approximately 30 seconds). Additionally, each actuation of the transmitter will be signaled by the lighting of the LED diode located outside the transmitter housing (Fig. 1). By appropriately selected control pulses, you can enter the transmitter into the receiver when you enter the programming mode, and then control it. In order to facilitate adding the transmitter to the receiver, you can disconnect the transmitter from the installation during programming (if the connectors supplied with the transmitter are used) and, for example, use a battery, accumulator, or other 6-30V voltage sources to enter the transmitter in the immediate vicinity of the receiver.

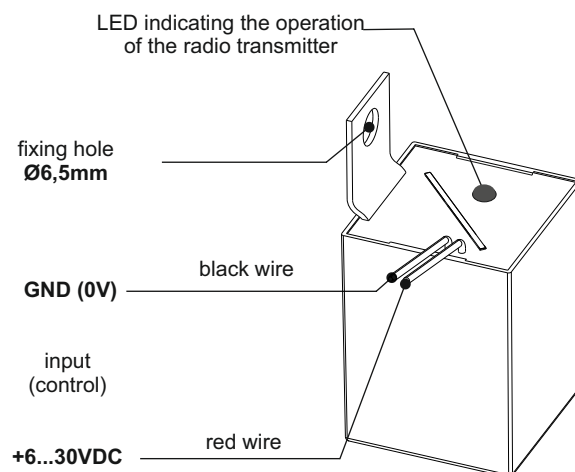


Fig. 1 View of the transmitter.



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\* 4in1 - functional type of transmitter control operating on the principle: number of pulses = channel number. After each impulse, the remote control waits for a while for possible further impulses, and then the radio signal is transmitted. Continuous transmission can be achieved by extending the last pulse.

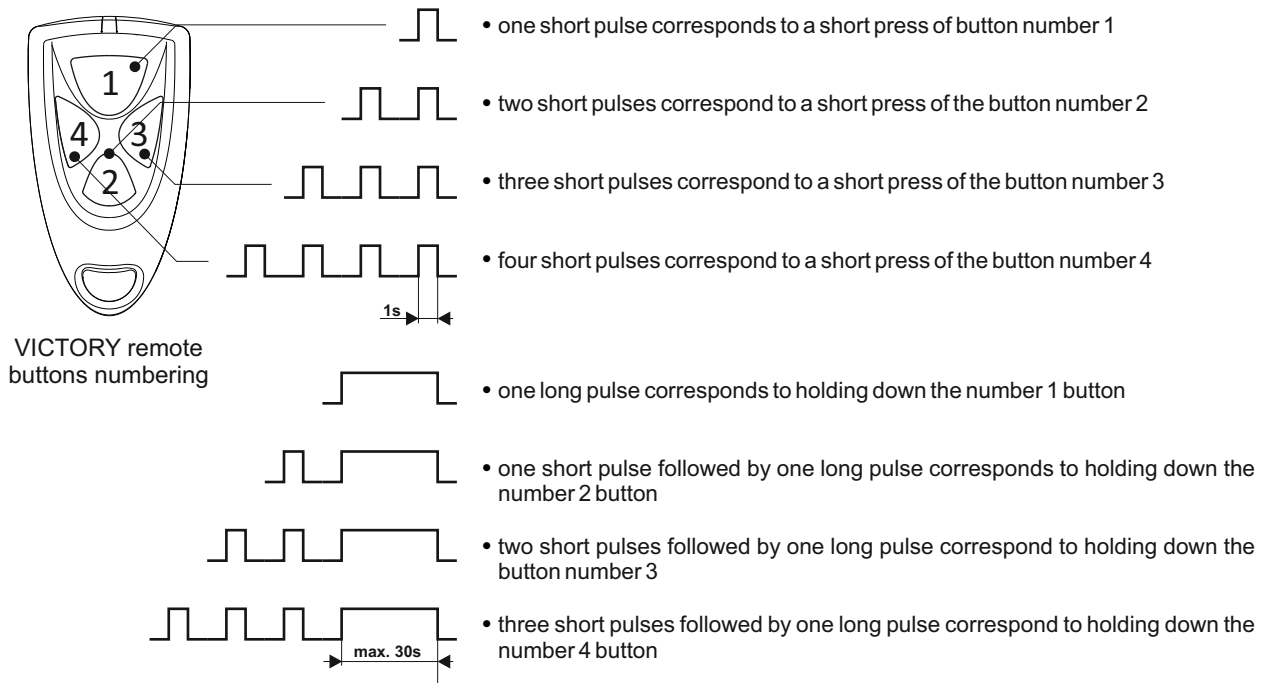


Fig. 2 Assigning the buttons of an exemplary remote control to the appropriate combination of pulses at the input of the BLINK transmitter.

### 4. An exemplary diagram of the transmitter connection

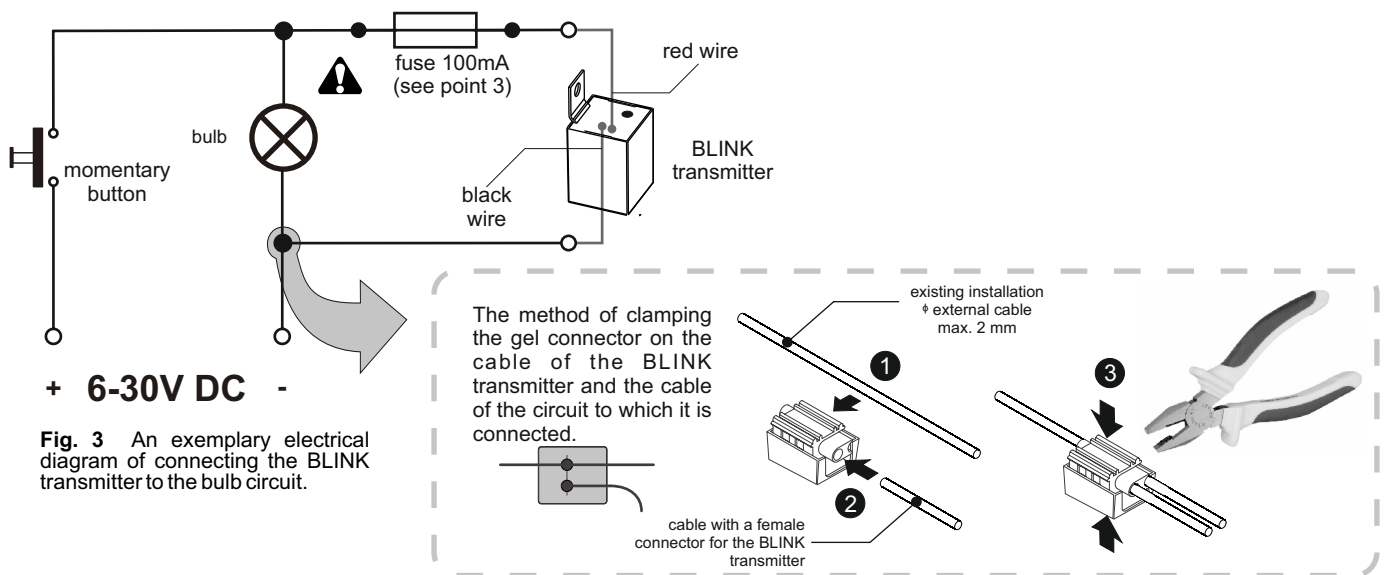


Fig. 3 An exemplary electrical diagram of connecting the BLINK transmitter to the bulb circuit.



DTM System hereby declares that the device complies with Directive 2014/53 / EU. The full text of the EU declaration of conformity is available at the Internet address: [www.dtm.pl](http://www.dtm.pl)



Electrical and electronic devices must not be disposed of with household waste. Proper disposal of the device enables the Earth's natural resources to be preserved for longer and prevents environmental degradation.