

HID 868

BUILT-IN 4 CHANNEL RADIO TRANSMITTER

operating manual

v. 1.1

dtm
868 MHz

GENERAL INFORMATION

Battery - powered radio transmitter HID 868 is designed for mounting inside installation boxes.

By attaching a temporary connector (eg. Roller shutter, bell) it can be integrated with any alarm installations, gate automation, smart home installations equipped with DTM868MHz radio receiver.

Small housing gives complete freedom to choose the place of installation. First channel button placed on the housing allows to check device's radio range before mounting.

SPECIFICATIONS

▶ number of channels	4
▶ input type	NO
▶ battery	CR2032
▶ low battery signalling	yes
▶ frequency	868MHz
▶ maximum range	250m
▶ effective radiated power	to 10mW
▶ variable coding	104-bit IRS
▶ operating temperature	-20°C / +55°C
▶ degree of protection	IP-20
▶ dimensions	44x37x22mm
▶ weight	25g
▶ system	DTM868MHz

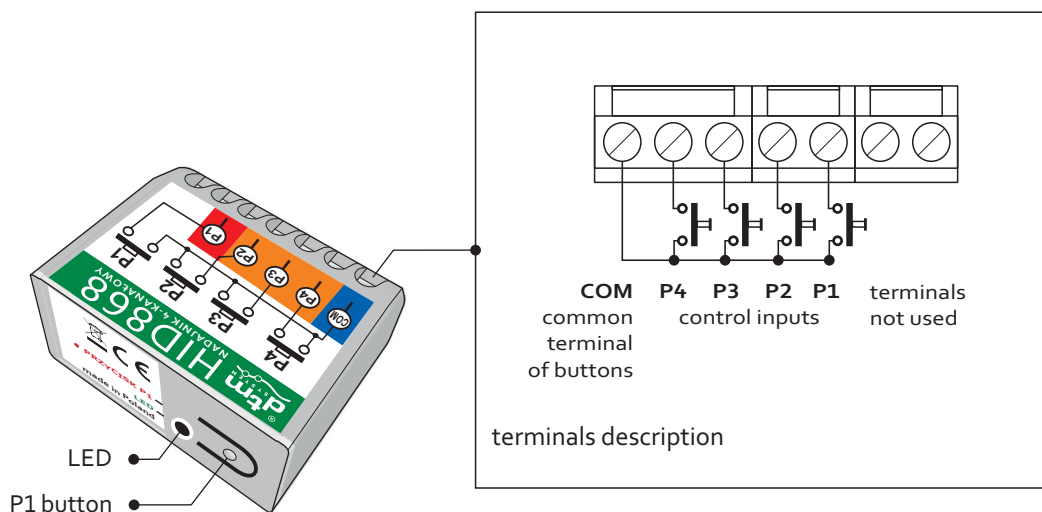


Fig.1 HID 868 view.

1. Transmitter installation

Start with checking radio range of the transmitter. To check radio range register P1 button to receiver, according to its manual. Place the transmitter in a assembly destination place, press P1 button and check if the receiver responds properly. If radio range is sufficient for stable operation of the equipment, connect button(s) between common terminal COM and selected P1...P4 input.

Example of installing is shown in Figure 2.

After connecting and checking operation of all components install mechanically and re-check the operation of the equipment.



When checking radio range, both receiver and transmitter must be placed on destination place.

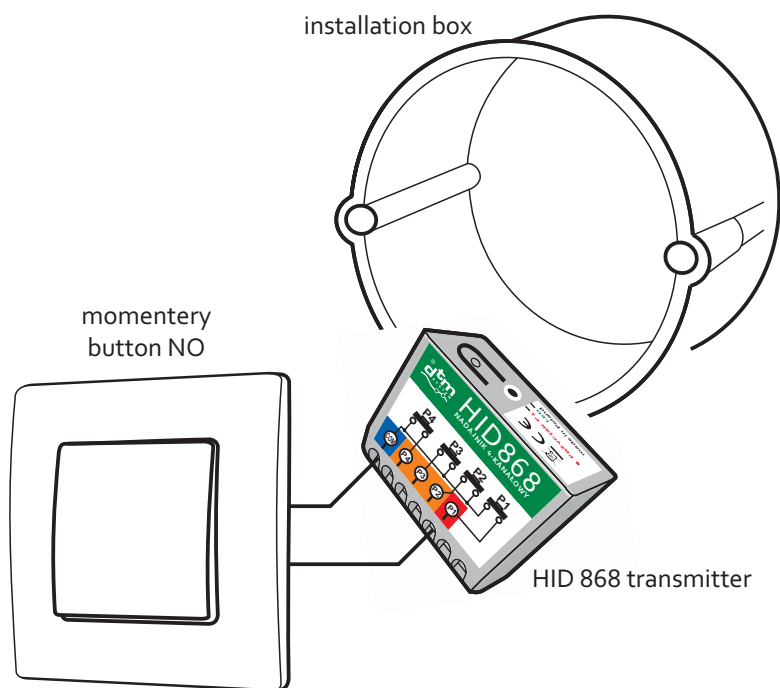


Fig. 2 HID 868 exemplary installation diagram.

2. Transmitter usage

To control the transmitter press connected momentary push-buttons which emits a radio signal to receiver. Each transmitter activation is indicated by LED placed on the transmitter control panel (Fig. 1).

The control inputs P1...P4 are functionally equivalent to standard remote buttons.

3. Low battery signalling

Transmitter has a low battery signalling function. If, after using the transmitter LED blinks three times, change the battery.

4. Changing the battery

To replace battery:

- ▶ disconnect wires from screw terminals;
- ▶ lift panel with P1 button not to damage the sticker, fig.3a-1;
- ▶ pull out the electronics board, fig.3a-2;
- ▶ eject battery from the basket using non-conductive narrow object, fig.3b;
- ▶ put new battery in the basket, positive pole of the battery must face metal basket, fig.3c;
- ▶ insert electronics board so that the screw terminals are accessible through the holes in the cover, fig.3d-1;
- ▶ edge of electronics board placed correctly must hit between two stabilizing pins after closing panel, fig.3d-2;
- ▶ work of properly assembled transmitter, fig.3e, can be verified by pressing P1 button;
- ▶ connect wires to screw terminals.

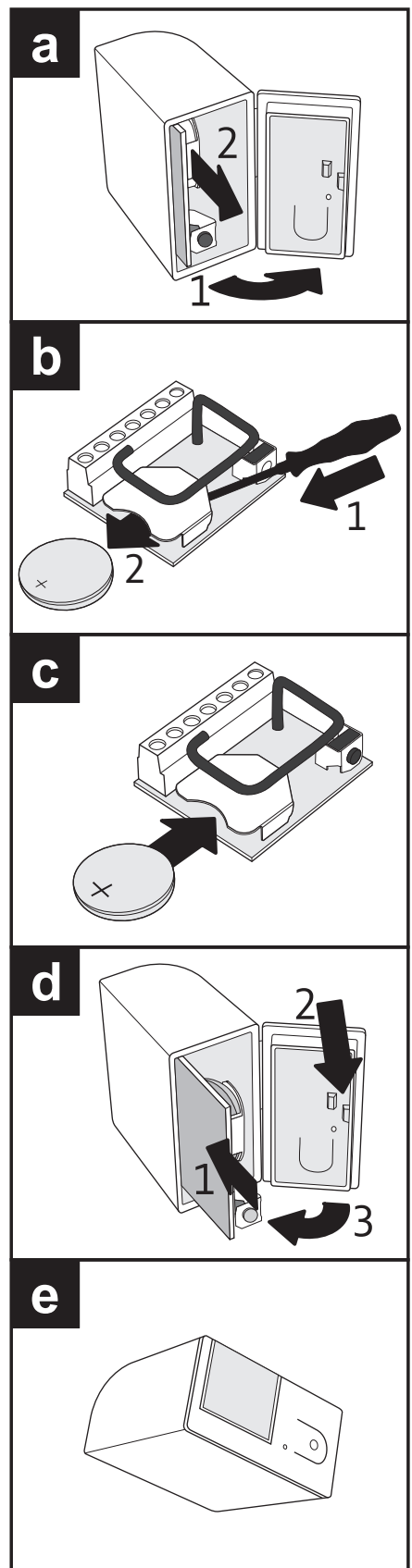


Fig. 3 HID 868 battery replacement.

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DISPOSAL



The intention of the WEEE Directive (Directive 2002/96/EC on waste electrical and electronic equipment) is to reduce the amount of hazardous substances in waste. The underlying purpose is to promote the avoidance, recovery and risk-free disposal of waste.

WARRANTY

DTM System provides operational and ready to use devices. The producer gives 24 months warranty from the selling date to the end customer. This time is counted according to the producer warranty labels or serial numbers placed on every product. Producer obliges himself to repair the device for free if during the warranty period there are problems which come because of his fault. Broken device should be supplied on customer's expense to the place of purchase and enclose clear and brief description of the breakage. The cost of mount/dismount is covered by the user. The warranty does not cover: batteries in the remote controls, faults caused by improper usage, user self-repairs and adaptations, lightning strikes, voltages or short circuits in the electrical grid. Appropriate legal acts regulate details of the warranty.



DTM System hereby declares that the radio receiver complies with Directive 2014/53/EU. The full text of the EU

Declaration of Conformity is available at the Internet address: www.dtm.pl



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