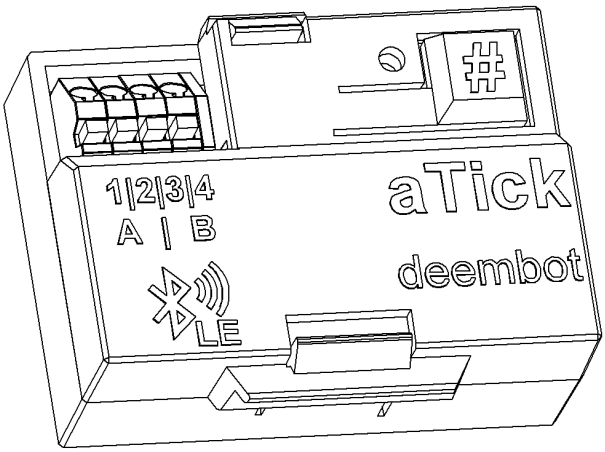
deembot®

User Manual

aTick



Bluetooth module for pulse meters

version 1.2 (rev.221207)
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Thank you for choosing aTick!
We hope that our product will improve the quality of your life, save time and bring only positive emotions. If you still have questions about aTick, you can find all the necessary information or contact us on the website:

https://deembot.com/atick

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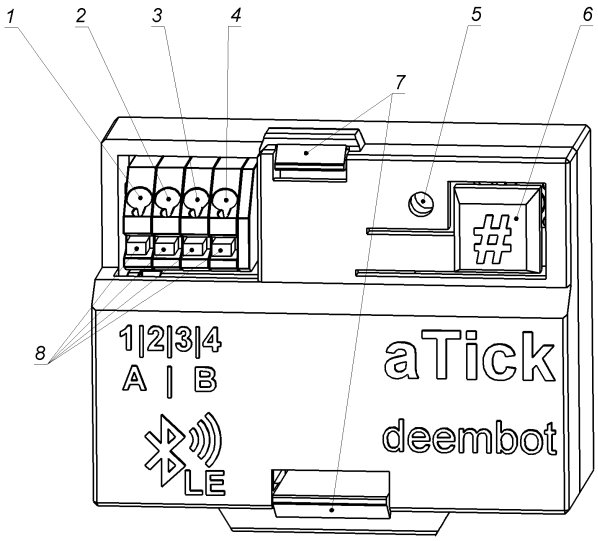
General info

aTick is designed to read readings of pulse household resource meters, store and transfer accumulated information to a mobile device via Bluetooth Low Energy (BLE) wireless interface. You can connect two counters with pulse output to the device. It can be water meters (hot and cold), gas or electricity.



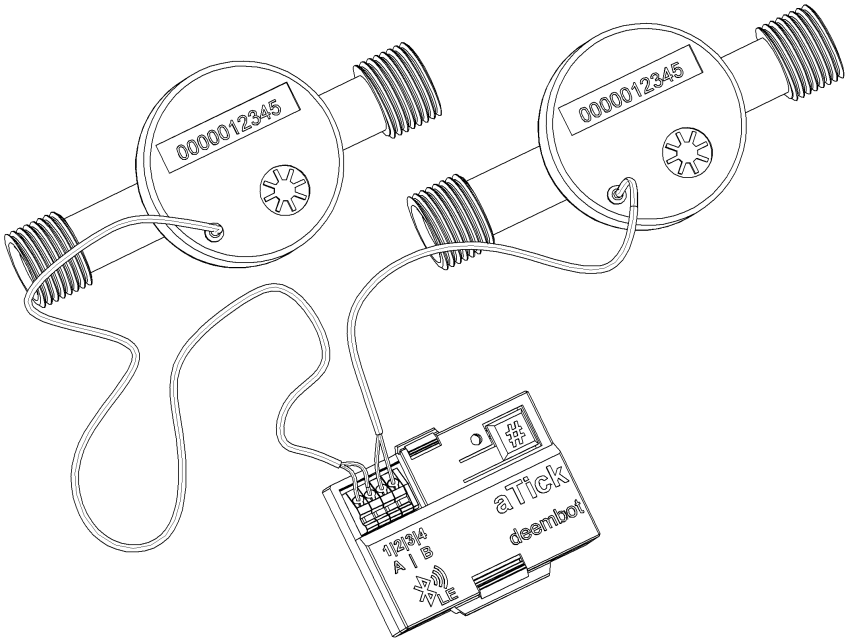
pic.1

1,2 - Channel A pins;
3,4 - Channel B pins;
5 - LED;
6 - Control button #;
7 - Lid latches;
8 - Wire retainer buttons.

Installation

aTick provides two channels for impulse inputs. Pins 1 и 2 (рис.1) are intendent for first channel A. Pins 3 и 4 are intendent for second channel B.

The ends of the signal wires must be free of insulation by about 1 cm. To securely fix the wire, you must first press the lock button 8, bring the stripped end of the conductor into the hole of the desired connector by about 1 cm and release the release button 8. Make sure the wire is securely locked into the connector. As a result, you should get a connection scheme similar to pic 2.



pic.2

Open the top cover of the device by lightly pressing the latches 7. Place two AAA cells into the battery compartment of the device. Observe the correct +/- polarity of the batteries.
To make sure the device works after installing the batteries, press the [#] 6 button and aTick will respond with a double flash of the 5 LED.

The dimensions and weight of the device make it easy to place it inside tiled drywall boxes in the bathroom. You can fix aTick with double-sided adhesive tape, small self-tapping screws or plastic ties. Position the module in such a way that the device body is not shielded by massive metal structures (profiles, pipes). This will increase the range and reliability of communication with your phone. Do not forget that once a year or two the batteries of the device will need to be replaced and some access to the device must be left.

After connecting the counters to the module, you need to set the initial values of the counters at the time of connecting aTick. Install the aTick application, connect to the module via Bluetooth and set the current readings of your counters through the application.

Control

aTick has a button [#] for direct control. The LED displays the status of the device or the reaction to the command received from the button. Commands are given by different number of successive pressings of the control button. A pause in pressing for more than 1.5 seconds means the end of the command.

(Attention!!!) Most of the functions and settings of the device are available in the aTick application. The button is needed only for rare cases of initializing or resetting the device.

Checking: 1 click To check the operation of the device, press the control button 1 time. The device will confirm receipt of the command with a short flash. If there is no light signal, then the device is not working. Check the power, replace the AAA batteries with new ones.
Also, with such a single click, if the screen of the aTick mobile application is open, the program will highlight the device in the list. This is handy for identifying the right module if you have more than one.

Change PIN: 2 clicks To confirm the change of the pin code of the device, press the control button 2 times. The device will change the PIN code to the one set via the paired mobile device and confirm the entry with a short flash. The new pin code is set in the program

PIN reset: 9 clicks To reset the current pin code to the default value, press the control button 9 times in a row. After reset, the PIN code will take the value 123456. The device will confirm the receipt of the command with a short flash.

Application

aTick application reads values from device and controls settings.

Link to Android platform:
https://play.google.com/store/apps/details?id=com.deembot.atick

PIN code is 123456 by default. You can change PIN code in application.

Contacts

If you have any questions related to the use or purchase of our products, we will be happy to help you. Contact in any way convenient for you:

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