

HATCH OPENING SENSOR MHM V.1.02 _

Remote control of the state of wells with an alarm of unauthorized access



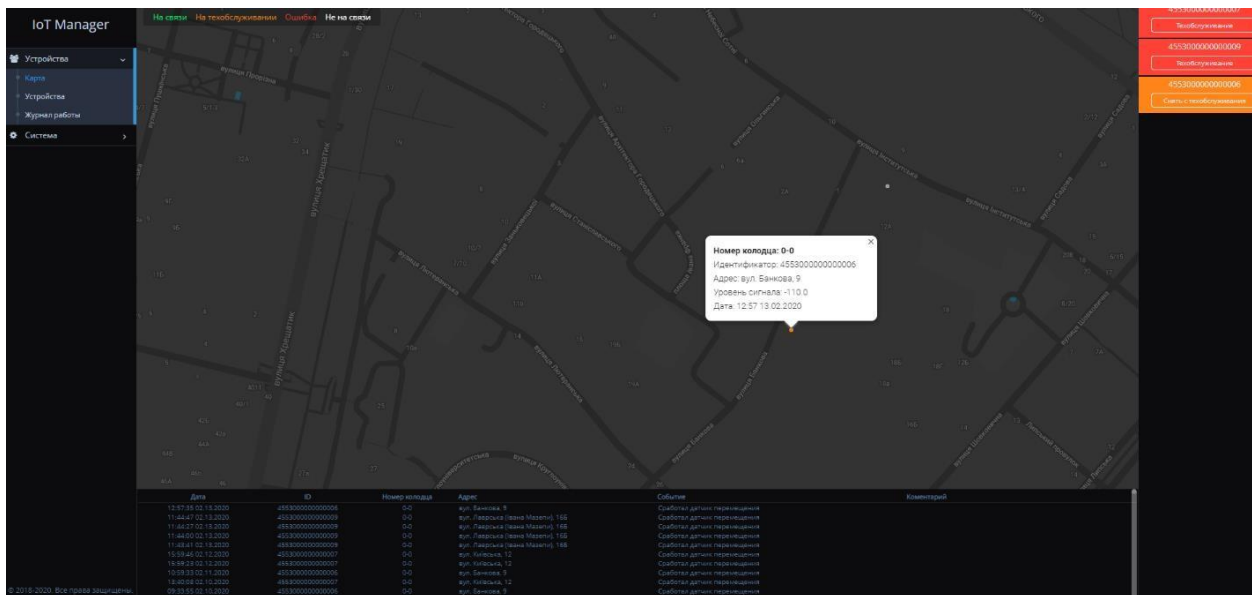
The manhole opening sensor uses the 868 MHz LoRaWAN network to transmit messages and is designed to remotely control unauthorized access to wells. The sensor allows you to track the opening of hatches and prevent emergencies. The sensor is mounted under the hatch cover and is triggered when the cover is lifted by a signal from two sunroof position sensors. The sensor antenna is displayed on the outer side of the hatch, which ensures reliable radio reception over a long distance.

The sensor is installed in a metal case, which is attached to the hatch with bolts and additional welding by electric arc welding.

The sensor board is additionally protected by a sealed plastic case, which is equipped with a tamper sensor. In addition, it is possible to connect various devices for recording the state of wells: a flood sensor, a temperature sensor, humidity sensor, etc.

Options	Meaning
Number of inputs for additional sensors	four
Operating frequency ranges	RU864-868 EU863-870 KZ865-868
Operating temperature range, °C	- 40...+85
Overall dimensions, mm	300x100x55
Weight, g	500
Degree of protection	IP67
Life time	At least 10 years
Battery operation	At least 6 years

Web interface



A convenient interface for monitoring the state of manholes, which allows you to display the status of manholes: connected or not, authorized access, unauthorized opening, body opening, signal level, etc. On the map, you can display all hatches or layers, depending on the events.

Идентификатор	Дата	Время	Номер колодца	Уровень сигнала	Адрес	Событие
455300000000000007	13.02.2020	14:22:26	0-0	-114.0	ул. Килвська, 12	
455300000000000006	13.02.2020	12:57:35	0-0	-110.0	ул. Банкова, 9	Сработал датчик перемещения
455300000000000003	13.02.2020	12:20:24	0-0	-114.0	-	
455300000000000009	13.02.2020	11:44:47	0-0	-106.0	ул. Лаврська (Івана Мазепи), 165	Сработал датчик перемещения
455300000000000009	13.02.2020	11:44:27	0-0	-116.0	ул. Лаврська (Івана Мазепи), 165	Сработал датчик перемещения
455300000000000009	13.02.2020	11:44:00	0-0	-112.0	ул. Лаврська (Івана Мазепи), 165	Сработал датчик перемещения
455300000000000009	13.02.2020	11:43:41	0-0	-116.0	ул. Лаврська (Івана Мазепи), 165	Сработал датчик перемещения

The log of events on hatches can be viewed for 6 months

When installing the sensor, it is enough to point the smartphone camera at the QR code of the sensor and the page with the current sensor signal level will be displayed in the browser, as well as an invitation to enter the sensor installation address. The sensor will automatically appear in the monitoring system.

IoT Manager

Идентификатор

4553000000000006

Уровень сигнала

-110.0

Город

Київ

Улица

вул. Банкова

Номер здания

9

Сохранить