vutility

PulseDrop™

Easily transmit data with the LoRaWAN network

Water-resistant for outdoor use

Long-lasting battery life, up to 5 years.

Install quickly by connecting to existing meter

The PulseDrop by Vutility gives you even more flexibility as you redefine how you look at utility usage. Battery powered, simple-to-install, connects to any dry contact pulse meter and transmits the data via LoRaWAN.

FEATURES

- Install in minutes
- Long-range signal strength
- Compatible with most meters
- Non-invasive install
- Robust API catalog
- Granular data
- Dual-cipher encryption
- Data every 15 minutes

Vutility's PulseDrop reads dry pulse outputs from any meter that provides a dry pulse output. Dry pulse outputs are an industry standard for most electric, water and natural meters around the world.

The PulseDrop transits the cumulative total number of pulses it has seen. The PulseDrop looks for a voltage interruption generated by the dry pulse. This voltage interruption is then registered by the PulseDrop and the pulse count is recorded.

The number of pulses counted is collected and archived then transmitted on the interval configured by the customer. The PulseDrop tracks the number of pulses generated in a given time period and the rate of consumption. Vutility measures the cumulative value so that in the event a data transmission is lost the cumulative value is never lost and the rate of consumption between data received can be calculated.

Security
Dual-cipher rotating 128-bit AES encryption + 128-bit AES transport encryption (3 total)
Configurable Data Intervals
1 TX/ 15 min (standard); other intervals available
Wireless
Bluetooth BLE 5.1, LoRaWAN 1.0.3
Operating Temperature
-40 to 85 degrees Celsius
Power
Battery - up to 5 years
Transmission
868MHz SRD, 915MHz/2.4GHz ISM, AS923
Dimensions
10 in (H), 7.2 in (C)

Antenna

Batteries

Vutility CORE

Weatherproof Casing