LoRaWAN
PULSE COLLECTOR
PDC

- Connect your everyday life with the network of the future - LoRaWAN
- The pulse collector has a built-in LoRaWAN radio module
- Brunata takes care of all the work while you save time
- Able to collect meter data from two different meters simultaneously
- Get your property read for the legal requirements and technical standards of the future

Make it easier to read the property's meters with the Pulse Data Capture (PDC).

Properties and functions

The Pulse Data Capture (PDC) is used to collect meter data (pulses) from 2 meters (pulse outputs), which are tipically water, heating, gas or electricity meters. The meters must have a pulse output to be connected to a pulse counter. Each meter is connected to its own entry on the pulse collector. In other words, PDC is a meter add-on, which can be used in situations where the meters should send meter data to Brunata and do not have a built-in radio module. In this case, the pulse collector will be connected to the pulse counter, which will send data to Brunata and thereby by part of the total registration of the property's comsumption.

Reading options

PDC'S built-in radio module enables the meter to be read remotely via Brunata Net, which is a radio network that can be set up in all types of properties. With Brunata Net you are able to access your meters and monitor measurement data via WebMon, which is part of Brunata's Online Services. WebMon allows both residents and the administrator to monitor the development of consumption and consumption patterns.

Connected consumption meters

During installation, PDC is programmed to fit the consumption meters connected to it.

LoRaWAN

Technology has left an indelible mark on society and has played an active role in optimising digitisation. One of the most recent initiatives is Internet of Things, IoT, which is a network of electronic devices that can communicate with one another by means of sensors. One of the things technology has made possible is to connect several devices to the internet so that you can keep yourself updated at any time with the status of your of your electricity meter or smoke detector, for example. These options can be effectuated through LoRaWAN, Long-Range Wide-Area Network, which is an open, internationally recognised standard for communication between different devices such as IoT sensors and IoT gateways.

Facts
- The pulse collector can collect signals from meters with pulse output
- The pulse collector can collect meter data from two different meters
- Can be incorporated into existing BrunataNet systems with 868 MHz LoRaWAN gateways
- The pulse collector has 10 years of battery lifetime

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Technical data

PDC	
Frequency band	868 MHz
Radio module	LoRaWAN
Transmission frequency	Every 24. hour
Transmission power	approx. 14 dBm, 25 mW
Duration of transmission telegrams	Up to 1s
Encodings of radio protocols	Yes
Error detection	CRC
Optional interface	Yes
Battery	Lithium battery
Battery life	Up to 10 years
Display	No
Protection class	IP54 or IP68 as an option
Temperature range	10 °C to 40 °C; (-15 °C to 60 °C) temporarily
CE confirmity	2014/53/EU
Activation of the radio interface	by illuminating the IR diodes with a light source by Zenner optical head via the IrDA interface

Dimensioner