TECHNICAL CARD

Gateway
Sense DSW

Gateway DSW 3.0

The Sense DSW Gateway is used to collect data from Water Level Detectors (DSW) and then transfer the data to the computing cloud using a GSM router.



In addition, the Gateway has a buffer power supply that ensures operation in the event of a lack of power from the power grid.

Main features

4GB memory (2 million measurement results)
Support up to 100 measuring DSW devices
Communication module GSM, LoRaWAN, Ethernet

Power supply

Power type	Network single-phase **120VAC** security B6
Power consumption (battery not charged)	15 W
Power consumption (battery is charging)	63 W
Built-in UPS minimum 1x	12V-7Ah
Backup time up to	8 hours
Battery charging time 0-100%	4 hours

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Communication module

For supported DSW devices

Communication type	Wireless, ISM frequency **915 MHz (no permission required)**
Antenna	external, mounted on the housing
Maximum transmit power	500 mW (27 dBm)
Network topology	star

Internet connection

Fully independent: built-in GSM modem
It does not require connection to the building's Internet network
External antenna, mounted on the housing
Eth RJ45 port for permanent link
Eth RJ45 port for integration with BMS

Additional features

120 VAC power failure detection
Case opening detection
UPS battery voltage measurement
Warning of impending discharge of the UPS battery
Temperature measurement inside the casing
Optional external temperature, humidity and pressure sensor (THP)

Installation information

Surface-mounted plastic housing, IP65 tightness class	
External dimensions	15x40x50cm
Working temperature	**-25°C to +60°C**
Resistance to UV rays	Yes

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