

APRANGE

Supporting: LoRaWAN® Relay Specification TS011-1.0.0

Application

APRANGE – LoRaWAN® Relay

Extend your IoT network coverage with APRANGE, a reliable LoRaWAN® relay designed to overcome connectivity challenges in hard-to-reach locations.

APRANGE ensures stable communication, expands network reach without additional gateways, and improves overall system reliability — even in demanding environments.

Stronger signal. Wider coverage. Smarter IoT.



- Swift LoRaWAN® connection with a simple reed switch and intuitive acoustic feedback.
- No hassle with integrated antennas and battery-powered convenience.
- Mount it anywhere with flexible mounting options.



- Tough and durable design, perfect for both indoor and outdoor use with its IP68 rating.
- Enjoy up to 10 years of battery life for long-lasting performance.



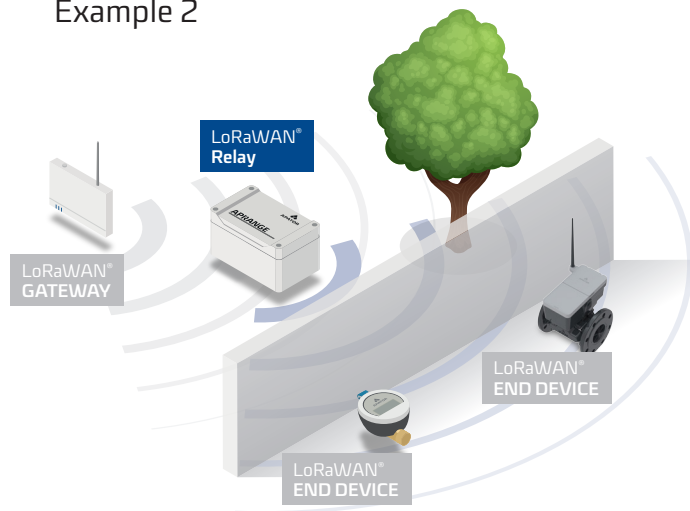
- Server support developed and tested in collaboration with ChirpStack.
- The end-device support is fine-tuned and verified with Ultrimis for worry-free integration.

LoRaWAN® Coverage Extended with Apator's APRANGE

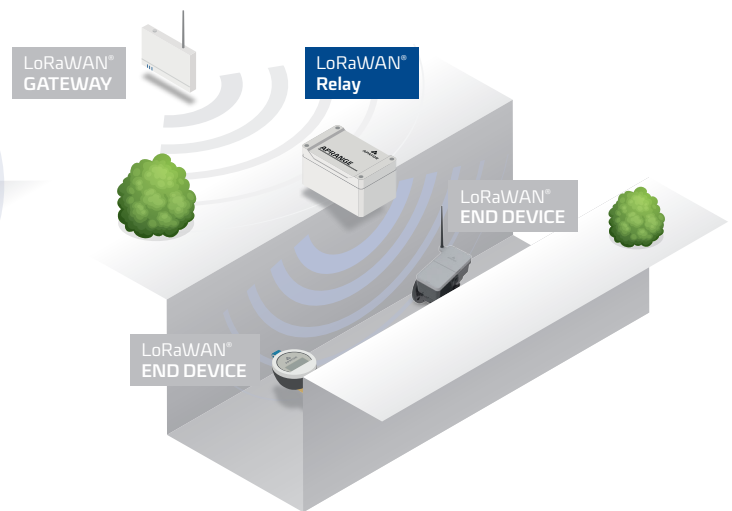
Example 1



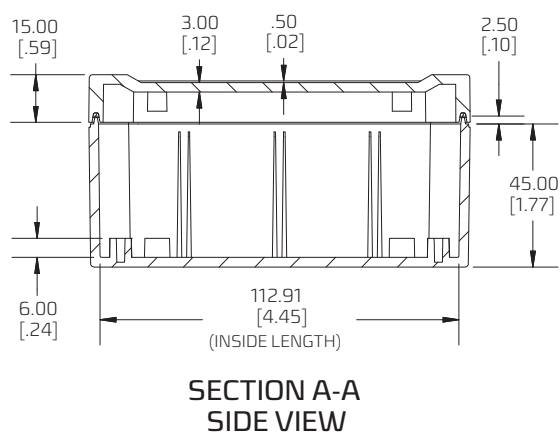
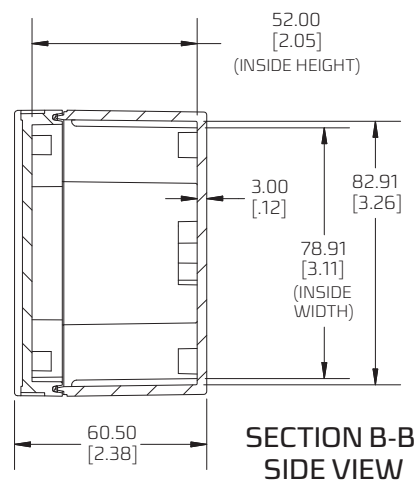
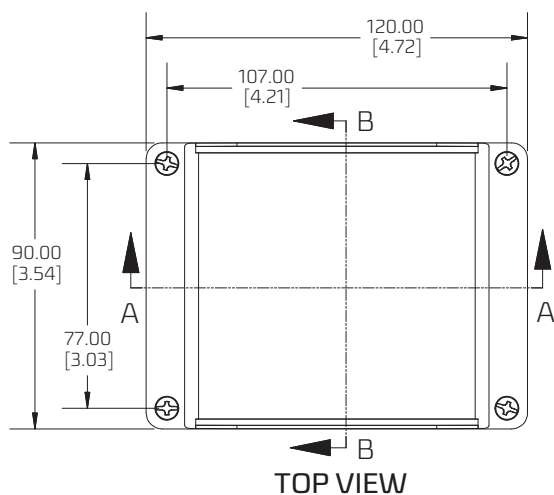
Example 2



Example 3



Dimensions



Housing dimensions	120 x 90 x 60.5 mm
Communication	LP-WAN LoRaWAN 868MHz
Communication protocol	LoRaWAN v. min. 1.0.4, TS011-1.0.0
Server	Supported by Chirpstack (V4.4.0 and above)
Number of devices	Up to 15 devices
Antenna type	Integrated
Software installation	OTAA initiated with the REED switch
Waterproof class	IP68 inside, IP68 outside
Temperature resistance	Minimum: - 20°C, maximum: +70°C
Battery type	Replaceable, size D, 3.6 V, 17 Ah or 34 Ah
Battery life	Up to 10 years
Mounting possibilities	Mounting with 4 screws: direct, on wall brackets, on pole, in any position

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