

Specifications

Product ID	Time-controlled wireless emitter for irrigation valve	Smart Operation	Preloaded schedulers (max. 4 per day),
Radio technology	LPWAN LoRaWAN 1.0.2 Class A - star-of-stars topology	Range	>15+km LOS (line of sight) - 2+ km in urban environment
Working t°	-20°C...+70°C	Security	128-bit AES encryption key
Valve brand support	TORO, Hunter, RainBird, Bermad, Signature, Irritrol,	Max. emitters per concentrator	128-1000 depending on duty cycles
Solenoid	2 wires DC Latching solenoids - 9-12VDC with min.10 Ohm coil resistance	Max. emitters per project	not limited (each emitter has a unique ID key)
Manual override	Press buttons for local Open/Close or by approaching a magnet on a dedicated spot	Frequency	License free EU868, US915, AS923 (433MHz on demand)
Duty Cycle	100% continuous rating	Maximum output power	14dBm
Tamper	Enclosure opening is immediately reported to the Concentrator	Data rate	290 bps - 50 Kbps
Humidity	Supplied with conformal coating (IP68 rated) or optional epoxy potting	Data Read	Emitter Open/Close status - battery level - device ID - enclosure tampering, alarm, RSSI, etc.
IP protection	IP68	Data Write	Open/Close command - transmit frequency - schedulers- time sync
Power supply	One or two Lithium batteries type-D 3.0VDC or 3.6VDC	Solenoid connection	Via sealing gland
Network interoperability	Orange, Objenious, Comcast, Meshed, TTN, NNNCo, Actility ThingPark, Senet, Digita, ...		
Reference	SE-XXX (XXX for regional frequency EU868, US915, AS923)	Antenna	embedded

** battery life depends on Rx/Tx frequency and Open/Close frequency*