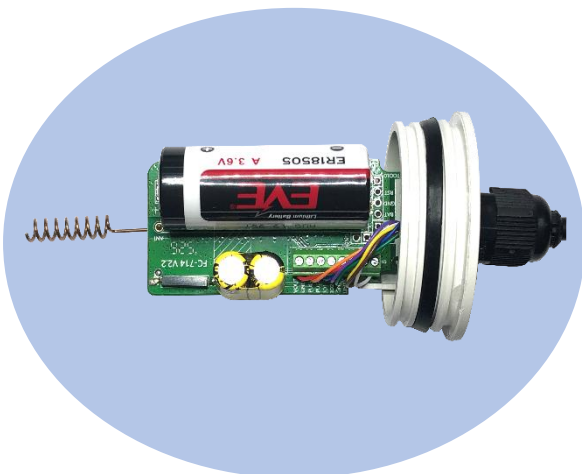
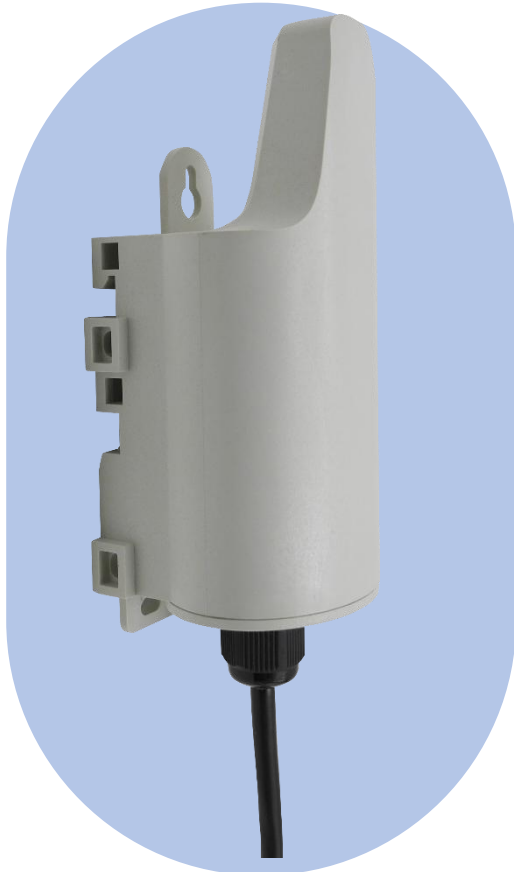


FC-714

Wireless Pulse Acquisition Terminal

LoRaWAN



Product Description

FC-714 is an external pulse acquisition and wireless data transmission terminal. It is mainly used for data acquisition of single-pulse or double pulse of equipment, and use LoRaWAN technology to implement active data reporting.

FC-714 supports two kinds of pulse signal output sensors of Hall and reed switch. That makes it to be used with any pulse emitting device (water, gas, electricity, etc.).

Key Features

- Long range wireless data transmission.
- Support active sensor (Hall) and passive sensor (reed switch).
- Multi-band support, EU433, CN470, EU868, US915, AU915, IN865, etc.
- Configurable report interval.
- Pre-installed long-life battery and built-in antenna.
- UART serial port or air wireless configuration.
- UART firmware upgrade or FOTA.
- Battery power detection and optional automatic power reporting.
- Average life 10 years*.
- IP67 waterproof rating.

* Lifetime depends from the device location and reporting interval.

Specifications

Dimension	50mm (L) x 45.5mm(W) x 134 mm (H)
Weight	146g (Contains the weight of 1 meter long cable)
Cable length	1m
Communication range	Up to 15km (In visibility conditions)
Radio Characteristics	Tx Power: Max. 20dBm Rx Sensitivity: < -138dBm
Power Consumption	<8 μ A@ Standby mode
MAC Layer	LoRaWAN [®]
IP Rating	IP67
Working Bands	EU433, CN470, EU868, US915, AU915, IN865, etc.
Operating Temperature	-40°C to +70°C (Industrial Grade)
Operating humidity	5%RH to 95%RH
Antenna Option	Build-in Antenna
Power Supply	Pre-installed long-life battery, 2.6V to 3.7V
Configuration	UART serial port or over-the-air
Upgrade	UART serial or FOTA
Environmental Compliance	RoHS, REACH
Certification	CE, FCC, LoRa Alliance*, ANATEL