

Transmitter

Long Range Pulse

The HWM Long Range Pulse Transmitter, is a low cost, easy to install, durable pulse transmitter that forms part of our Energy Management System, enabling remote visibility of assets such as Gas, Water and Electric meters.

Long battery time, reliable data and rigorous testing allow this market leading transmitter to provide information such as consumption usage for billing, monitoring and targeting. There is a choice of transmitter types to suit all applications e.g. dual input, ATEX (in a different housing) certified versions and Temperature available.

Pulses will never be lost as total pulse count is accumulated and transferred. Data can be forwarded via GPRS, Ethernet or direct wire (Pulse or Modbus) using a choice of receivers directly into customers' BMS, servers or HWM-Online data services for access to raw data (historic and current) visualising energy use meter.

Key Features and Benefits

- **Easily integrated:**
Ideal for retro-fit applications
- **Simple to install:**
Configuration-free + Optional wall brackets
- **Long term monitoring:**
Up to 10 year Battery Life
- **Robust, Durable and Reliable:**
IP68 Rated
- **Flexible Install:**
ATEX (different housing) & Subterranean (different housing) Versions
- **Multiple inputs:**
Dual Inputs and Temperature options
- **Choice of Frequencies:**
 - Exclusive UK RF Licence: 153.1000MHz
 - European Frequency: 169.40625MHz

Applications

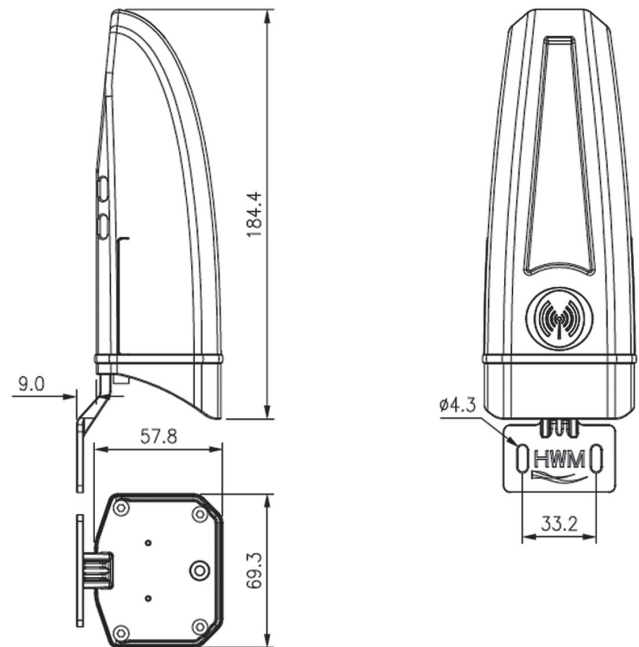
HWM's Energy Management System is used successfully by Facilities Managers and Utilities Suppliers worldwide to facilitate the transformation of energy pulse data into useful information.

It has been dependably used for City-wide AMR projects as well as sub metering in Apartment Blocks, International Airports, Shopping Centres and Nation-wide Property Portfolios.



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Transmitter features

| | 153.1000 MHz | 169.40625 MHz |
|-----------------------------|----------------------------------|----------------------------------|
| Output Power | Up to 500mW (Typ. 250mW) | Up to 500mW (Typ. 250mW) |
| Range (Line-of-Sight) | 2km | 2km |
| Dimensions (L x W x D) | 185 x 67.5 x 56 mm (Approx.) | 185 x 67.5 x 56 mm (Approx.) |
| Operating Temperature Range | -10°C to +40°C | -10°C to +40°C |
| IP Classification | IP68 | IP68 |
| Transmission Interval | 15min (Other Tx Times Available) | 15min (Other Tx Times Available) |
| Battery Life-Time | Up to 10years (Lithium Cells) | Up to 10years (Lithium Cells) |
| Weight | 375g (approx.) | 375g (approx.) |
| Mounting | Optional Wall Bracket | Optional Wall Bracket |

Pulse characteristics

| | 153.1000 MHz | 169.40625 MHz |
|-----------------------|----------------|----------------|
| Pulse Width (Min) | >1ms | >1ms |
| Pulse Frequency (Min) | 0.1Hz | 0.1Hz |
| Pulse Frequency (Max) | 10Hz | 10Hz |
| Logic '0' (Closed) | 0.0V to +0.5V | 0.0V to +0.5V |
| Logic '1' (Open) | +3.3V to +5.0V | +3.3V to +5.0V |

Approvals

| | 153.1000 MHz | 169.40625 MHz |
|---------------|--------------|---------------|
| Radio (R&TTE) | EN300-220 | EN300-220 |
| CE (LVD) | EN60950 | EN60950 |



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MONITORING ASSETS, DELIVERING DATA, BRINGING CONTROL

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