

Transmitter

Low Cost Wireless RF Transmitter



Key Benefits

- ✓ Easy to Install
- ✓ Durable, IP68
- ✓ ATEX Rated Version Available
- ✓ Dual Inputs Available
- ✓ Simple Wall Mounting (Optional)
- ✓ Can be easily integrated into modern and legacy billing systems and/or software
- ✓ Up to 10 year Battery Life
- ✓ Can be easily integrated into modern and legacy billing systems and/or software.
- ✓ Exclusive Licence (UK Only 153MHz)

Overview

The RF Transmitter from HWM, is a low cost, easy to install, durable pulse transmitter that forms part of our Energy Management system. The market leading transmitter is designed to provide consumption data for billing, monitoring and targeting. There is a selection of variations e.g. dual input, ATEX certified versions available.

Operational

Once installed, the transmitters count pulses from meterhead or reed switch type output utility meters. The transmitted data can be sent via a Wi5 data hub or other HWM AMR Receiver/Repeaters. The transmit or "Chirp" consists of a secure data packet along with a status and unique ID address at regular intervals (various transmission times available).

Information such as low battery warning is also provided on all variants. Repeaters can be used to extend transmission range by up to 10km

Long Life

The transmitter uses long life Lithium cells to achieve a product life span of up to 10 years service. Additionally it has a long service life capable of extreme environmental conditions (rated to IP68).

Remote Viewing

Data can send data directly into customer specific FTP or use HWM-Online service. HWM's secure web based portal collects the received data and processes it ready for display.



**Easy to install,
Durable Pulse
Transmitter**



Frequency	153.10 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	5/15min (Various Tx Times)	5/15min (Various Tx Times)
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
Approvals		
Radio (R&TTE)	EN300-220	EN300-220
CE (LVD)	EN60950	EN60950
Pulse Characteristics		
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