

## Ecosafe

Radio-Tech's Ecosafe transmitter is an ATEX certified pulse transmitter for use in hazardous area applications such as gas. ATEX is the name given to the framework for controlling potentially explosive atmospheres.

Once installed, the Ecosafe transmitter counts the pulses from the meter and transmits them at periodic intervals to the RTWi5 Data Concentrator or other Radio-Tech receiver.

Once connected to the meter, the Ecosafe transmitter can be easily mounted using a small bracket which can be attached anywhere near the meter. For hazardous area applications such as gas metering there is an ATEX certified version.

## Operational

In operation the transmitter accumulates and stores the pulses output from meter pulse head or reed switch and transmits or "chirps" the total in a secure data packet along with a status and unique ID address at regular intervals.

Waterproofing is guaranteed through an encapsulation technique performed during manufacturing. This allows the transmitter to be installed in inhospitable areas such as meter pits or service shafts without harmful effects to performance



## KEY BENEFITS

- Easy to install
- Durable
- Tamper alarm
- Exclusive licensed channel
- ATEX approved (Zone 2)
- Can be easily integrated into modern and legacy billing systems and/or software

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# Energy Management Ecosafe

• FLOW MEASUREMENT • DATA LOGGING • LEAK DETECTION • PRESSURE CONTROL • ENVIRONMENTAL MONITORING • AMR • ENERGY MANAGEMENT

Frequency	153MHz	169MHz
<b>ATEX Rating</b>	Zone 2	Zone 2
<b>ATEX Marking</b>	II 3G, Ex ic IIAT3	II 3G, Ex ic IIAT3
<b>Download Frequency</b>	15 Min	15 Min
<b>Range (line of sight)</b>	2 Km	2 Km
<b>Battery Life</b>	10years	10years
<b>Environmental Protection</b>	IP68	IP68
<b>Operational Temperatures</b>	-10 to +40	-10 to +40
<b>Modulation</b>	Narrow Band FM	Narrow Band FM
<b>Transmission Mode</b>	Burst	Burst
<b>Data Format</b>	Secure	Secure
<b>Dimensions</b>	57 x 35 x 170mm	57 x 35 x 170mm
<b>Weight</b>	380g	380g

Order Codes	
<b>Code</b>	<b>ATEX Certified Pulse Transmitters</b>
485-011	153Mhz Single Input Zone 2 ATEX Certified Pulse Transmitter
482-016-T15MIN	169Mhz Single Input Zone 2 ATEX Certified Pulse Transmitter

**LITHIUM BATTERIES**

If batteries are exposed - do not short circuit, recharge, puncture, incinerate, crush, immerse, force discharge or expose to temperatures above the declared operating temperature range of the product. Risk of fire or explosion. These batteries are sealed units which are not hazardous when used according to the recommendations of the manufacturer.

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