



## The Product

The Pulseman is a battery powered GSM data logger suitable for most AMR (Automatic Meter Reading) applications.

The Logger offers 3 pulse inputs enabling connection of pulse output meters that may be gas, electric, water or heat and could also be used on outputs from Renewable Energy generation such as, Solar PV, Geothermal, Wind Turbine, Biomass etc.

Its compact and robust design (IP65 or IP68) makes the Pulseman suitable for locating outside and the unit is ATEX Zone '0' approved (Intrinsically Safe) for installation in hazardous environments.

Pulses are logged into memory depending on required frequency, half hourly, daily or weekly and are transmitted over SMS as required, hourly, daily, weekly or monthly. The Pulseman may be configured locally or remotely by SMS.

A tamper feature enables an SMS alarm if a meter is disconnected or the Pulseman is tampered with e.g. lid removed.

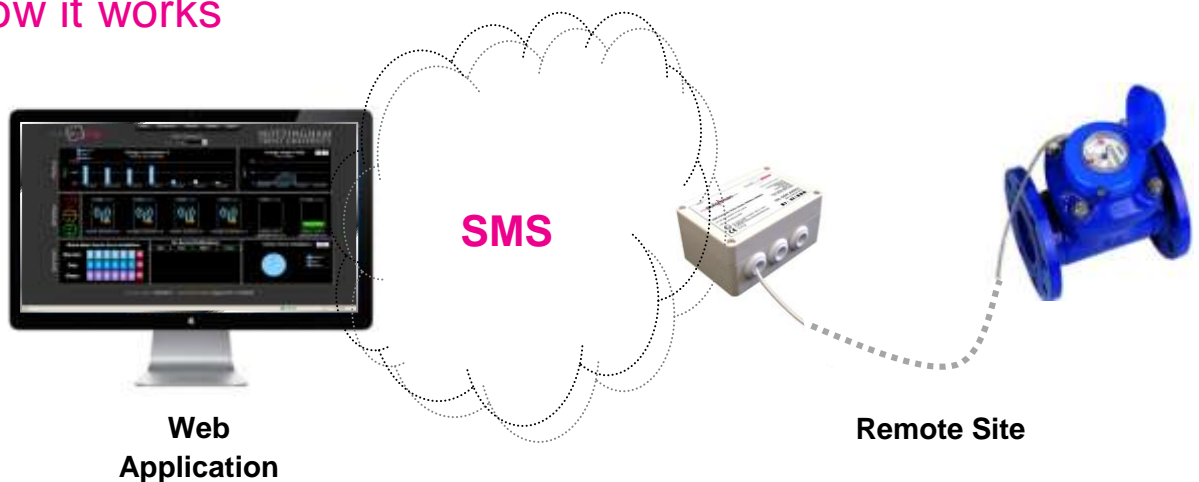
## Features

- 868MHz Wireless Controller
- Simple Interface
- Plug and Play
- 5v & 12v Relay Options
- Mains powered 230v AC or 12v DC

## Benefits

- Eliminates cabling required for an installation
- Interfaces to any third party system
- No software or configuration required
- Remote command and control
- Can be used for mobile applications

## How it works



**Invisible Systems Ltd**  
 9 Beetham Road • Milnthorpe • Cumbria • LA7 7QL • ENGLAND  
 T: +44 (0) 1539 722 520 • F: +44 (0) 1539 564 845  
 E: info@invisible-systems.com • W: www.invisible-systems.com



## Technical Information 999-902-1311

<b>Power</b>	7.2 volt dc – 2 x D Cell Lithium Batteries, Power Management for long life <ul style="list-style-type: none"> <li>Nominal 10 year battery life</li> <li>Remote battery level indication</li> </ul>
<b>WAN Communications</b>	GSM Dual Band communication 900/1800MHz Internal GSM Antenna 2dBi
<b>Local Communications</b>	3 x Pulse Inputs RS 232 Local Configuration Port
<b>Tamper Alarm</b>	For all 3 meter connections and unit open
<b>LED Status</b>	For pulse detection
<b>Configuration</b>	Remotely configurable logging interval; half hourly, hourly, daily, weekly <ul style="list-style-type: none"> <li>Daily 'Wake up' for configuration adjustment</li> <li>Configurable Pulse Width adjustment</li> </ul>
<b>RTC</b>	On board Real Time Clock
<b>Operating Temperature Range</b>	-15°C to +60°C
<b>Storage Temperature Range</b>	-15°C to +60°C
<b>Fixing</b>	Velcro fixing supplied with self adhesive pad
<b>Cabling</b>	1m Cable c/w Standard FCC 68 plug (RJ11)
<b>Case Protection</b>	IP65 & IP68 Option

## Approvals & Compliance

### Atex Zone '0' – Intrinsically Safe

- EX II 1 G Ex ia IIA T4

Directive 94/9/EC

BS EN 60079-0:2006 & 2007 Compliant

CE Approved

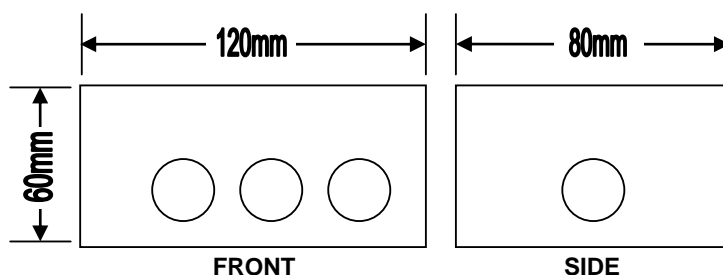
## Options

Description	Part Number
RJ11 cable c/w tamper x 1m	220-204-2401-A
RJ11 cable c/w tamper x 2m	220-204-2402-A
RJ11 cable c/w tamper x 3m	220-204-2403-A
Fischer 102 cable c/w tamper x 2m	220-204-2404-A

- A range of meter cables are available, various lengths and connector types
- A range of external high gain GSM antennas are available

## Dimensions

Weight: 544g



## Invisible Systems Ltd

9 Beetham Road • Milnthorpe • Cumbria • LA7 7QL • ENGLAND

T: +44 (0) 1539 722 520 • F: +44 (0) 1539 564 845

E: info@invisible-systems.com • W: www.invisible-systems.com

