Honeywell
THE POWER OF CONNECTED

Water Metering

PR6 & PR7

PR6 & PR7 Domestic and commercial electronic pulse transmitters

PR6 and PR7 for automatic meter reading and network monitoring

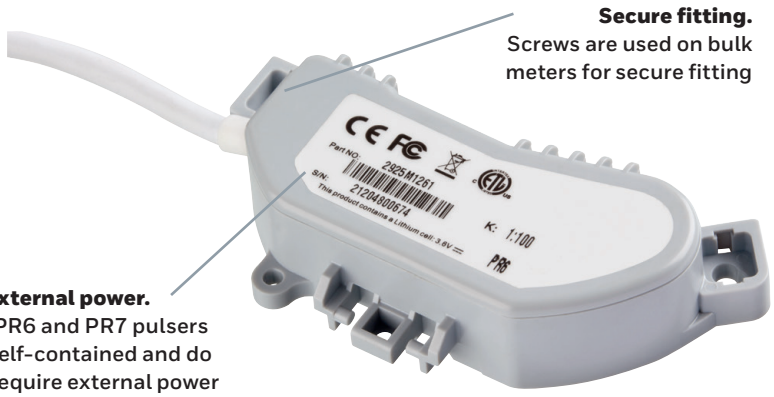
Together with TRC600 radios, the highly robust PR6 and PR7 solid-state pulsers form one of the industry's most advanced and reliable AMR installations. Suitable for both Walk-by and Fixed Networks, Elster meets the AMR needs of today's progressive water utility.

Key features

- Highly robust solid-state bi-directional pulse transmitters
- Can be used with data loggers or Elster's TRC600 radios
- Fully self-contained – no external power required
- Designed to last for 12-14 years in normal use
- Auto-generation of backflow alarms in fixed network applications
- Simple push-fit installation with residential meters

The PR6 and PR7 are bi-directional pulse transmitters that can be used with all major data loggers or TRC600 radios to monitor a water network system. They are fully self-contained and need no external power supply. In residential applications, the battery will last for 12 to 14 years in normal use. The high-speed version of the PR7, designed to provide 1 litre/pulse from bulk meters, has an outstanding life expectancy in excess of 7 years.

Advanced AMR. Combine the PR6 and PR7 pulsers with TRC600 radios for a highly reliable Advanced AMR system.



Easy and secure installation

PR6 and PR7 pulsers are easy and quick to fit to pre-equipped Elster water meters. A simple push-fit system is used with residential meters, and knurled thumbscrews and screws are used for bulk meters. Tamper-evident labels can also be used to monitor attempts to remove the pulse units.

Monitor network integrity

Accidental backflows can put the integrity of a water network at risk. Using the Advanced AMR technology in a Fixed Network all but eliminates this risk through the systems ability to generate backflow alarms automatically. This means that you don't have to wait for the next meter visit – action can be taken immediately.

PR7 pulser for H4000, C4000

PR7 includes two outputs for both high and low resolution pulse capability.

Understanding the outputs

PR6 and PR7 pulsers have outputs designed for every need. Each pulser has both primary and secondary outputs. The use of each output is highlighted below, together with diagrams showing examples of the pulse trains.

Primary output

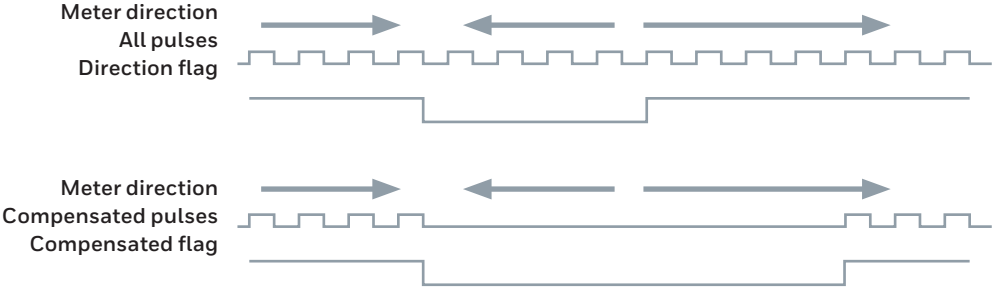
The primary output has two wires: one carries pulses when the meter is operating in both forward and reverse directions; the other is a direction flag. This is suitable for use with bi-directional counters, TRC600 radios and with data loggers. Use it with the ScanCounter (in bi-directional mode) in a fully bi-directional remote display and touch read system.

Secondary output

The secondary output has two wires: one carries a pulse stream that compensates for any reverse flow; the other indicates compensation is in process. Use it with Elster's ScanCounter (in uni-directional mode) and with data loggers and TRC600 radios where backflow monitoring is not required.

Visible meter reading

The meter reading on the V210 volumetric meter is clearly visible after the PR6 pulser has been fitted.



Available variants

The inductive pulser range includes different K factor options. Each pulser also has two outputs, each of which gives the bi-directional pulse data in different ways.

TYPE	K FACTOR	PRIMARY OUTPUT	SECONDARY OUTPUT	OTHERS	
PR6	1:1, 1:10, 1:100, 1:1000	F+R	C+ RevAlarm	Tamper	–
PR7	1:10, 1:100, 1:1000	F+R	C+ RevAlarm	Tamper	High speed
PR7	10:10, 10:100,	F+R	C+ RevAlarm	Tamper	–

Choosing an inductive pulse unit

ELSTER METER	
V200 Q3 2.5	PR6
V200 Q3 4.0	PR6
V200 Q3 6.3	PR6
V200 Q3 10	PR6
V200 Q3 16	PR6

ELSTER METER	
H4000P 40mm to 125mm	PR6
H4000 40mm to 300mm	PR7
C4000 (main meter) 50mm to 100mm	PR7
C4000 (bypass meter) 20mm	PR6

WEEE producer identification number: WEE/EJ0221XT/PRO

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