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METERING EXPERTISE

FlowPulse

ΔΙΑΚΟΠΤΗΣ ΠΑΛΜΩΝ

Static pulser featuring an NPN output for **MVM** and **MVM PLUS C** positive displacement and **WMAP EVO** Woltmann type water meters

FlowPulse for
MVM, MVM PLUS C

FlowPulse for
WMAP EVO

- Equipped with an electronic inductive sensor
- 5-wire cable
- Detects removal from the meter
- Detects the flow direction
- Insensitive to mechanical vibrations
- Easy to install and replace
- Retrofits to pre-equipped meters
- Does not affect meter's performance
- Designed for remote reading systems, batching systems, etc.

TECHNICAL SPECIFICATIONS

Type	Microprocessor, inductive pulser	
Power supply	3 V lithium battery	
Battery service life	12 years (average service life under standard conditions, not guaranteed)	
Average battery service life	**Temperature**	**Percentage of service life**
	-10 °C ÷ 0 °C	10%
	0 °C ÷ +30 °C	80%
	+30 °C ÷ +55 °C	10%
Maximum pulse frequency	10 Hz	
Approvals	EC, European directive on electromagnetic compatibility	
Operating temperature	-10 °C ÷ +55 °C	
Storage temperature	-20 °C ÷ +70 °C	
Environmental class	C	
Electromagnetic class	E2	
Protection rating	IP68	

OUTPUTS

Digital outputs (5 wires)	Pulse output, flow direction, fraud, ground, forward pulse counter	
Output type	NPN open collector, 30 V dc, 50 mA dc	
Pulse duration	With flow > 4 pulses/s: 50% period With flow ≤ 4 pulses/s: 125 ms	
Pulse factor	**MVM-MVM PLUS C** DN 15-DN 32: 1 pulse/litre DN 40: 1 pulse/10 litres	**WMAP EVO** DN 50-DN 100: 1 pulse/10 litres DN 125-DN 200: 1 pulse/100 litres
Cable length	2 m	

CONNECTIONS

Wire	Signal	Description
White	Pulses	Pulse signal both with forward flow and reverse flow
Yellow	Direction	Contact closed = return flow
Green	Fraud	Contact open = fraud
Brown	Ground	Common ground signal
Grey	Forward pulses counter	In the event of reverse flow, the meter will count internally the volume flowed. When the forward flow is restored, no pulses are generated until the value of the volume flowed is zero.

For complete instructions on installation, please refer to the installation guide.

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