

REED SWITCH

**PULSE
EMITTER**

 **maddalena**



REED SWITCH PULSE EMITTER

Reed switch pulse emitter for single and multi-jet water meters. The pulse emitter in combination with the magnet mounted in the meter's register gives a number of pulses proportional to the volume flowed. It is designed for remote reading systems, batching systems, etc.

- Easy mounting/replacement (no influence on the metrological performance of the meter).
- The sensor is fitted on a tempered glass lens (thus ensuring safe operation and not affecting reading).
- Anti-fraud system available upon request.
- Double reed switch emitter available upon request. It detects the flow direction and is not affected by vibrations.
- *The previous "clip-on" version is still available.*

COMPONENTS

Pre-equipped water meters

CD ONE TRP: sealed register single jet meter
Class B and C
DN: 1/2" - 3/4" - 1" - 1 1/4"



CD ONE

DS

DS TRP: sealed register multi-jet meter
Class B and C
DN: 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2"

Pulse emitter



With ARROW remote reading system

Accessories: screw and adhesive seal



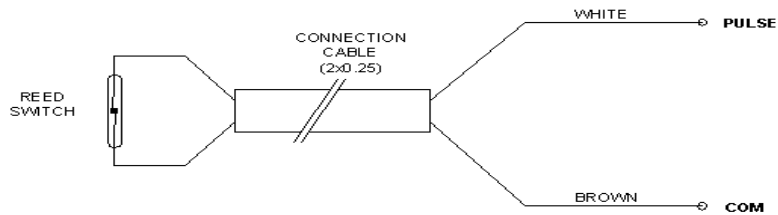
PULSED WATER METERS



CD ONE

DS

CONNECTIONS



TECHNICAL DATA

- Cast in plug reed switch
- IP68 protection class
- Contact ratings: 24 V~, 0.1 A
- Cable length: 1 m
- Operating temperature: -25 °C ÷ +90 °C
- Storage temperature: -45 °C ÷ +90 °C

K FACTOR

The choice of the K factor (number of pulses/litre) depends on the intended use. In the following table are listed some pulse options:

K factor	1	2*	0.1	0.2*	0.01	0.02*	0.001	0.002*
Litre/pulse	1	0.5	10	5	100	50	1,000	500

* "Clip-on" variant with plexiglas lens and reed slot (see brochure)

MOUNTING

Pulse Factor	1P=1L K=1 1 pulse = 1 litre	1P=10L K=0.1 1 pulse = 10 litre	1P=100L K=0.01 1 pulse = 100 litre	1P=1000L K=0.001 1 pulse = 1000 litre	* K=2 - 0.2 - 0.,02 - 0.002
Magnet position					
Sensor position					



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