

## WATER METERS WITH IMPULSE EMITTER DEVICE

## USAGE

The water meters equipped with pulse emitter device can be linked to tele-reading systems, to PLC, to M-Bus networks (through PADPULSE signal converters), to impulse counters and to all those applications that need an electronic input which indicates the water consumption.

Water meters can be provided in two versions: complete version for pulse output, or pre-equipped version for pulse output. (On the pre-equipped version could be installed the pulse emitter device later on.)

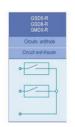
## **ADVANTAGES**

- REED contacts are contained in a very resistant box in order to avoid false signals caused by humidity or other external factors.
- High attraction strength among REED contacts is very high. For this reason the possibility of false signals or multiple signals is reduced to minimum.
- The reed contacts commutation time is a few milliseconds; this fact allows to the pulse emitter device to be used for high flowrates also.

Standard Circuit
Standard Circuit
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Reed characteristic	S
Max Voltage	24V
Min Voltage	0,02V
Max Interrupted Current	0,5A
Max Bearable Current	1,2A
Max Power	10W/VA
Cable lenght	3 m



## ANTI-TAMPERING DEVICE (if required)

The major number of tampering attempts on pulse emitter devices is made using external magnets with the aim of modifying the correct pulse emitters working. Our pulse emitters can be equipped by a further REED contact, which produces an alarm signal when the external magnet is approaching the water meter.

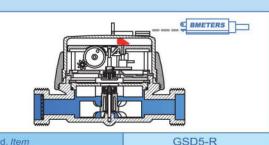








Single jet, dry dial, direct reading, dial can rotate 360°, choice of impulse value



		000011		
version		hot water cold water	hot water cold water	
Size	DN	15	20	
Nominal flow rate	m³/h	1,5	2,5	
Lenght	mm	110	130	
Impulse value	liters	1 or 10 (100 on special request)		



LVI-koodit / Product codes								
Impulssi	DN	N15	DN20					
	1 ltr	10 ltr	1 ltr	10 ltr				
Kylmä I cold	4418 030	4418 031	4418 040	4418 041				
Lämmin / hot	4438 030	4438 031	4438 040	4438 041				
Liitt. / conn.	4481 216		4481 206					