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Data Sheet

RD

Pulser for cold and hot water meters Dynamic



Main Features

- Simple installation
- Pulsers can be fitted without breaking the meter seal
- Two different pulse values

Applications

RD 01 and RD 01	for cold water meters up to 50 °C
RD 02 and RD 022	for hot water meters up to 130 °C
RD 01 and RD 02	for remote counters and batching systems
RD 011 and RD 022	for heat meters
RD 022 Ex	for use in explosive environment R



Reed RD

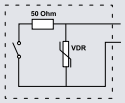
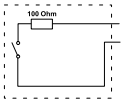
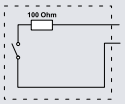
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Available variants

Pulser	Temperature	Order no
RD 01	50 °C	11 78 01
RD 02	130 °C	11 78 02
RD 011	50 °C	11 78 03
RD 022	130 °C	11 78 04
RD 022 EX	50 / 130 °C	11 20 29

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Performance data

Switching component	Reed switch, plug type			
Switch protection RD 01/02	surge limiting resistor and voltage limiting varistor (VDR)			
	switching voltage	U_{max}	= 48 V AC/DC	
	switching current	I_{max}	= 0.2 A	
	switching power	P_{max}	= 4 W	
Switch protection RD 011/022	surge limiting resistor			
	switching voltage	U_{max}	= 125 V AC/DC	
	switching current	I_{max}	= 0.035 A	
	switching power	P_{max}	= 2 W	
RD 022 Ex	surge limiting resistor			
	switching voltage	U_{max}	= 28 V AC/DC	
	switching current	I_{max}	= 0.035 A	
	switching power	P_{max}	= 0.98 W	
Pulse duration	depending on flow in the meter at meter stop continuous pulse possible			
Protection	IP 68 (EN 60529)			
Temperature range RD 01/011	ambient temperature t_{amb} medium temperature t_m		≤ 70 °C ≤ 50 °C	
Temperature range RD 02/022	ambient temperature t_{amb} medium temperature t_m		≤ 70 °C ≤ 150 °C	
Connection cable length	3 m			

Pulse values

Size of meter	DN	RKD / RPD 1 pulse ≙ ...	40 ... 125 1 pulse ≙ ...	150 ... 300 1 pulse ≙ ...	DN 400 1 pulse ≙ ...
Cold water meter	Standard	0.1 m³ 0.01 m³	1 m³ 0.1 m³	10 m³ 1 m³	100 m³ 10 m³
Cold water meter	With special register	-	1 m³ 0.01 m³	10 m³ 0.1 m³	100 m³ 10 m³
Hot water meter	Standard	-	0.25 m³ 0.1 m³	2.5 m³ 1 m³	-
Hot water meter	With special register	-	0.25 m³ 0.025 m³	2.5 m³ 0.25 m³	-

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Wiring example

Figure 1

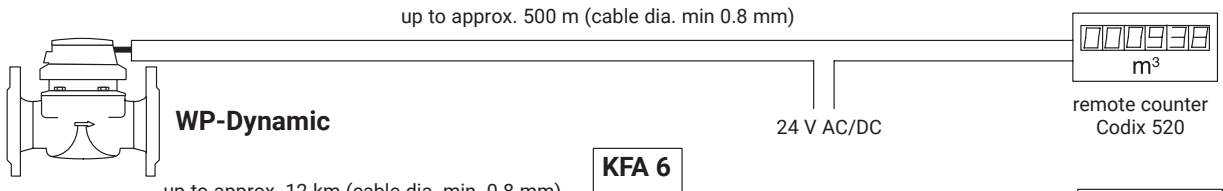
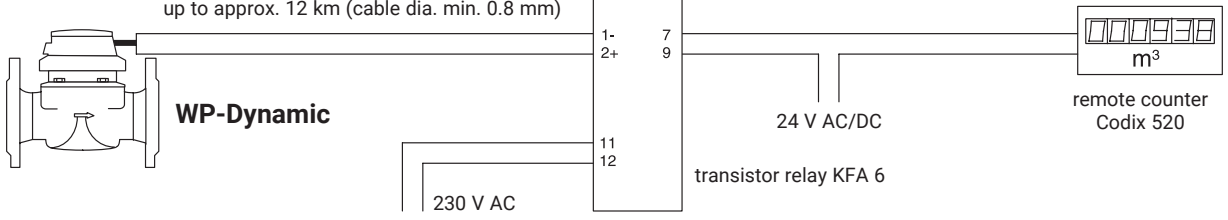


Figure 2



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Let's Solve Water