



Main characteristics

Simple installation

Pulsers can be fitted without breaking the meter seal

Two different pulse values

Applications

RD 01 and RD 011	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



Reed RD

Available design

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	18 20 29

Performance Data

Switching component	Reed switch, plug type	
Switch protection RD 01/02	surge limiting resistor and voltage limiting varistor (VDR) switching voltage $U_{max} = 48 \text{ V AC/DC}$ switching current $I_{max} = 0.2 \text{ A}$ switching power $P_{max} = 4 \text{ W}$	
Switch protection RD 011/022	surge limiting resistor switching voltage $U_{max} = 125 \text{ V AC/DC}$ switching current $I_{max} = 0.035 \text{ A}$ switching power $P_{max} = 2 \text{ W}$	
RD 022 Ex	surge limiting resistor switching voltage $U_{max} = 28 \text{ V AC/DC}$ switching current $I_{max} = 0.035 \text{ A}$ switching power $P_{max} = 0.98 \text{ W}$	
Pulse duration	depending on flow in the meter at meter stop continuous pulse possible	
Protection	IP 68 (DIN 40050)	
Temperature range	RD 01/011: ambient temperature $t_{amb} \leq 70 \text{ °C}$ medium temperature $t_m \leq 50 \text{ °C}$	
	RD 02/022: ambient temperature $t_{amb} \leq 70 \text{ °C}$ medium temperature $t_m \leq 150 \text{ °C}$	
Connection cable	length 3 m	

Pulse Values

Size of meter	DN	RKD / RPD 1 pulse $\hat{=}$...	40 ... 125 Δ 1 pulse $\hat{=}$...	150 ... 300 Δ 1 pulse $\hat{=}$...	DN 400 1 pulse $\hat{=}$...
Cold water meter	Standard	0.1 m ³ 0.01 m ³	1 m ³ 0.1 m ³	10 m ³ 1 m ³	100 m ³ 10 m ³
	with a special register	-	1 m ³ 0.01 m ³	10 m ³ 0.1 m ³	100 m ³ 10 m ³
Hot water meter	Standard	-	0.25 m ³ 0.1 m ³	2.5 m ³ 1 m ³	-
	with a special register	-	0.25 m ³ 0.025 m ³	2.5 m ³ 0.25 m ³	-

Wiring Examples

