

OD

Pulser for cold and hot water meters Dynamic

Main Features

- Simple installation
- Pulsers can be fitted without breaking the meter seal
- OD with forward/reverse identification
- Two different pulse values

APPLICATIONS

OD 01 and OD 03	for cold water meters up to 50 °C
OD 02 and OD 04	for hot water meters up to 130 °C
OD 01 and OD 02	for flow indication and flow control
OD 03 and OD 04	for remote counters and batching systems:
OD 02/EX	for explosion hazardous areas
OD 07-L	for data logging
OD 07-24V/S	for direct connection to SPC or remote control systems
OD AM	for connection of heat meterst

OD



INDORAYA POWER ENERGI

OD

Pulser for cold and hot water meters Dynamic

PERFORMANCE DATA

OD 01 ... 04, OD AM			
Sensor principle	IR-reflex light barrier acc. to DIN EN 60947-5-6, plug type		
Specification	supply voltage 8.2 V DC current with reflection < 1.2 mA current without reflection > 2.1 mA forward/reverse identification integrated by an additional current barrier at 1.5 mA		
Pulse duration	OD 01 ... 04: depending on flow in the meter at meter stop continuous pulse possible		OD AM: Closing time 7 ms
Protection	IP 68 (DIN 40050)		
Temperature range	RD 01/03:	ambient temperature t_{amb} ≤ 70 °C medium temperature t_m ≤ 50 °C	
	RD 02/04/AM:	ambient temperature t_{amb} ≤ 70 °C medium temperature t_m ≤ 150 °C	
Connection cable	Ø 4.1 mm, 2 x 0.14 mm², end splice, length 3 m		

OD 07 24 V/S	
OD 07-24 V with 1 pulse output forward and 1 pulse output reverse OD 07-24 S with 1 pulse output and flow direction signal	
Sensor principle	IR reflection light barrier, bi-directional
Specification	all voltages are relative to GND (-) Supply voltage (+): +5 V ... +30 V DC Supply current: typ. 250 µA, max. 270 µA Output signal: open collector (npn) Darlington, with 150 Ohm series resistance and polarity protection Output voltage: SIG relative to ground (-): 0 V ... supply voltage Output current: 0 ... +40 mA
Pulse duration	depending on flow in the meter, at meter stop continuous pulse possible
Protection	IP 68 (DIN 40050)
Temperature range	Operation temperature: medium: 0 ... 50 °C, cable housing: 0 ... 70 °C Storage temperature: -25 °C ... +75 °C
Changed polarity, Short circuit	once max. 1 s at 0 ... 25 °C without damage
Connection cable	Ø 4.1 mm, 4 x 0.14 mm², end splice, length 3 m

INDORAYA POWER ENERGI

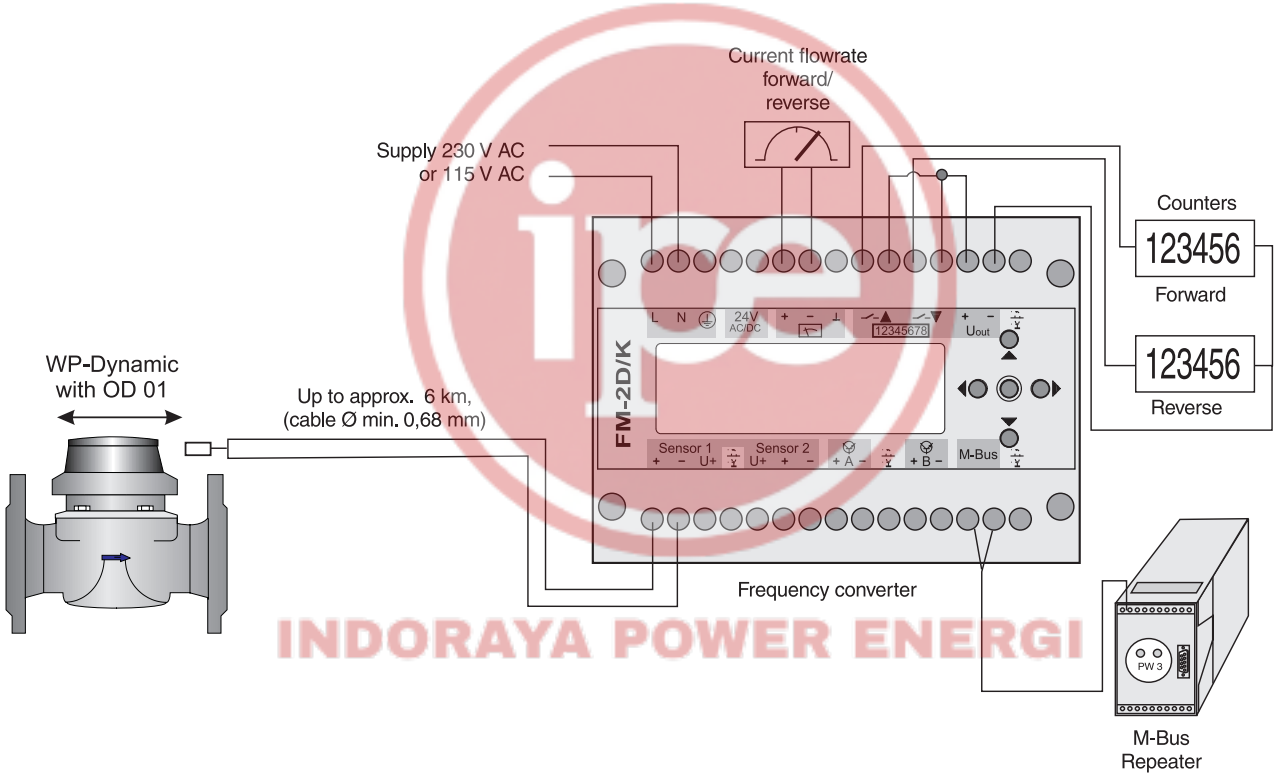
OD

Pulser for cold and hot water meters Dynamic

PULSE VALUES

Nominal Diameter	DN	40 ... 125 1 pulse≙ ...	150 .. 300 1 pulse≙ ...
Cold water meter	OD 01, 07-L, 07-24 V/S	0.001 m^3	0.010 m^3
	OD 03	0.010 m^3	0.100 m^3
Hot water meter	OD 02, 02 Ex, AM	0.001 m^3	0.010 m^3
	OD 04	0.010 m^3	0.100 m^3

Wiring Example OD 01 ... 04

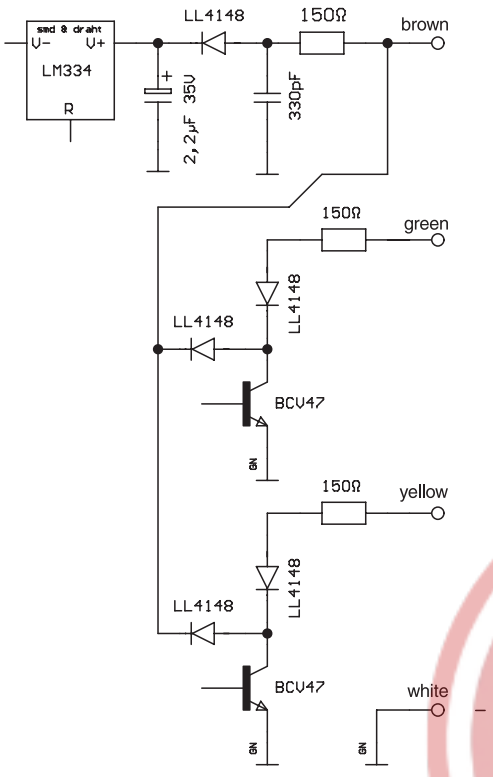


INDORAYA POWER ENERGI

OD

Pulser for cold and hot water meters Dynamic

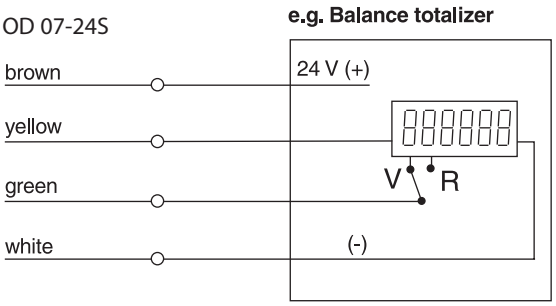
Wiring Example OD 07 24 V/S



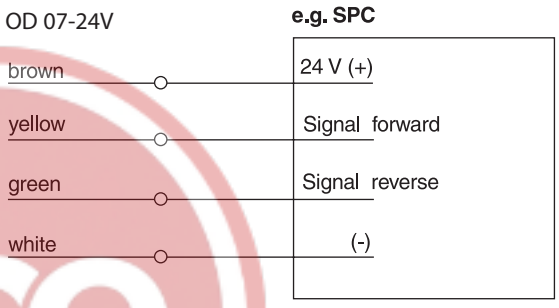
Output circuit diagram of OD 07-24S and OD 07-24V

OD 07-24S:

brown:	supply voltage (+)	
yellow:	pulses	
green:	open:	forward
	closed:	reverse
white:	ground	
shield:	internally connected to (-)	



Connection Diagram OD 07-24S



Connection Diagram OD 07-24V

OD 07-24V:

brown:	supply voltage (+)
yellow:	pulses forward
green:	pulses forward
white:	ground
shield:	internally connected to (-)

INDORAYA POWER ENERGI

© 2026 Sensus International. All trademarks, logos and brand names are the property of their respective owners. All rights reserved.

Sensus GmbH Hannover
Meineckestr. 10
30880 Laatzen, Germany

Contact:
info@sensus-int.com