



DESCRIPTION

The design and outstanding functionality of the **Wika PSD-30 pressure transmitter and switch** received the IF Product Design Award in 2009. The large, ergonomically designed programming push buttons provide the user with tactile feedback for immediate confirmation that the touch event was registered by the transmitter. The user-friendly menu navigation layout meets the new German Engineering Federation (VDMA) Standard form for fluid sensors (24574-1, Part 1, pressure switch). The goal of the VDMA is to simplify the use of pressure switches by standardizing menu navigation and display parameters. The **PSD-30** can be adjusted three different ways to fit specific installation requirements. The display and electrical connection can be rotated independently to maximize visibility while still orienting the electrical connection in the best position for the cable connector. If the transmitter is installed overhead or upside down the display can be electronically rotated 180°. Time tested, proven **WIKAI** thin film and piezoresistive pressure sensor technology is an integral part of the **PSD-30** providing the high quality and long term reliability users demand.

NEW!



PSD-30

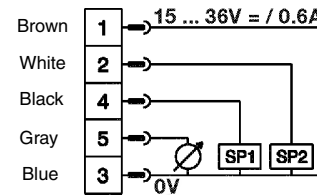


FEATURES

- Available with single or dual Negative-Positive-Negative (NPN) or Positive-Negative-Positive (PNP) solid state switches
- High visibility, rugged 14-segment red LED display electronically rotates 180° for top-down installation
- User-friendly, intuitive 3-key operation
- Versions with 4-20 mA or 0-10V analog output available
- Programming menu meets VDMA Standards for user friendly navigation

WIRING

2x PNP + analog output



Legend:

- U+ Positive supply connection
- U- Negative supply connection
- SP1 Switching point 1
- SP2 Switching point 2
- S+ Switching point 2

SPECIFICATIONS

Supply Voltage	15-35 VDC	Wetted Parts	Pressure connection 316 L stainless steel (13-8 PH for ranges above 150 psi)
Contact Rating	24 VDC @ 500Ω	Process Connection	1/4" NPT bottom
Contact Type	Solid-state (PNP OR NPN)	Wiring Terminations	6 ft (2m) side cable (5 conductors)
Accuracy	1.00% of span w/ adjustable offset	Approvals	CE, UL File E12413, RoHS
Measurement Range	0-15 psi to 0-5000 psi	Weight	0.44lbs (0.45 kg)
Hysteresis	Adjustable (full span)	Warranty	2 years
Operating Temperature	32° to 176°F (0° to 80°C)		
Enclosure	Plastic, NEMA 1		

ORDERING INFORMATION

MODEL	DESCRIPTION
PSD-30	4-20 mA pressure transmitter & switch with integral LED display
PRESSURE RANGE psi (kPa)	
01	30" Hg Vacuum to 0 (-101.6 Vacuum to 0)
02	30" Hg Vacuum to 100 (-101.6 Vacuum to 689.5)
03	0-15 (0-130.4) [BURST PSI = 75 psi]
04	0-25 (0-172.4) [BURST PSI = 150 psi]
05	0-50 (0-344.7) [BURST PSI = 250 psi]
06*	0-100 (0-689.5) [BURST PSI = 500 psi]
07	0-200 (0-1379.0) [BURST PSI = 1500 psi]
08	0-500 (0-3447.5) [BURST PSI = 1500 psi]
09	0-2000 (0-13,790.0) [BURST PSI = 14,500 psi]
10	0-3000 (0-20,684.3) [BURST PSI = 17,400 psi]
11	0-5000 (0-34,473.8) [BURST PSI = 24,650 psi]

PSD-30 - 03 Example: PSD-30-03 4-20 mA pressure transmitter with integral LED display, 0-15 psi range.