PSD 100 Vacuum Switch with 3-color Display

The new PSD100 series mini-vacuum switch with display offers easy reading thanks to the size of its screen and its 3-color display.

Its compactness and lightness facilitate its integration on all machines. Easily adjustable, it is equipped with an extremely precise electronic vacuum level sensor and has an adjustable digital output as well as an analog output. The PSD100 has mounting accessories on option, making it very easy to install.

Specifications

0.0 ~ -101.3 kPa			
10.0 ~ -101.3 kPa			
300 kPa			
Air, non-corrosive/non-flammable gas			
m ² bar psi inHg mmHg)1 0.001 0.01 0.1 1			
±10%, ripple (P-P) 10% or less			
\leq 40 mA (without load)			
output (2x on PNP2 version) rrent: 125 mA voltage: 24 VDC age: ≤ 1.5 V			
\leq ± 0.2% F.S. ±1 digit			
Adjustable (1 to 8 digits)			
Adjustable			
to 8 digits)			
\leq 2.5ms (anti-vibration function: 25 ms,100 ms, 250 ms, 500 ms, 1000 ms and 1500 ms selection)			
red / green) main display, orange refresh rate: 5 times / 1sec.)			
: 1 digit perature: 25 ± 3°C)			
Orange OUT 1 / OUT 2 (PNP2 only)			
Output voltage: 1 to 5 V \leq ± 2.5% F.S. (within rated pressure range), linearity: \leq ± 1% F.S. / Output impedance: approx. 1 k Ω			
IP40			
operation: 0 – 50° C / storage: -10 – 60° C (no condensation or freezing)			
tion or freezing) torage: 35-85% RH ation)			
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tion or freezing) torage: 35-85% RH ation) 1-min (between case and lead wire) in. , between case and lead wire) de 1.5 mm or 10 G, 10 Hz-150 Hz- or 1 minute, two hours in each C, Y and Z G), 3 times each in direction of X, f detected pressure (25°C) at temp.			

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1: Model	2: Electrical connection	3: Outputs
PSD100CPNP	M8 connector	1 digital output PNP 1 analog output
PSD100LPNP2	2 m cable	2 digital outputs PNP

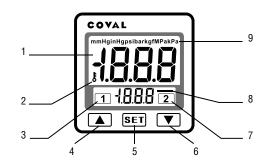




Advantages

- 3-colour digital LCD display, easy readability.
 6 pressure units available
- (kPa, bar, psi, inHg, mmHg, kgf/cm²).
 PNP version:
 - 1 PNP digital output (NO or NC).
 1 analog output (1-5V).
- PNP2 version:
 - 2 PNP digital outputs (NO or NC).
- Double display showing the measured value and threshold value at the same time.
- "Key lock function" with indicator light, «Lock» mode with light indicator to prevent an accidental misadjustment.
- "Power-save function" with indicator light.
- 3 mounting solutions.

Panel Description





1 - 2-colour main display

- 2 Lock indicator3 Output 1 indicator
- **4** Button
- **5** Setting button
- 6 Button
- 7 Output 2 indicator (PNP2 version) 8 - Setting mode (sub-display section)
- **9** Pressure unit display section

Accessories

- CDM8: M8 Female connector 4 poles, 2 m.
- PSDFIXA: Vertical attachment bracket.
- PSDFIXB: Horizontal attachment bracket.
- PSDFIXC: Front attachment kit.
- PSDFIXD: Front attachment kit + front protective lid.



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COVAL cuum managers

