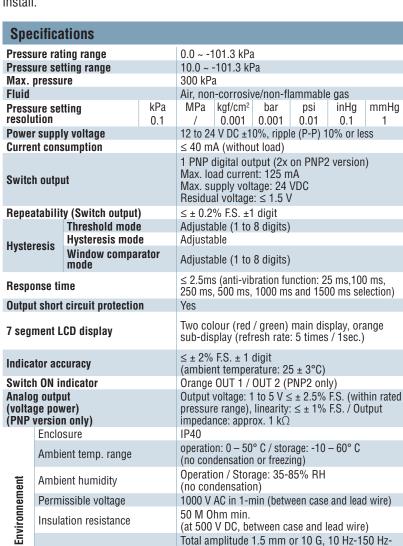
PSD 100

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.



For all orders, please specify: Model. Example: PSD100CPNP		
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

Y and Z

10 Hz scan for 1 minute, two hours in each

100 m/s² (10 G), 3 times each in direction of X,

 \leq ± 2% FS. of detected pressure (25°C) at temp.

Approx. 45 g (with M8, 4-pin male connector)

direction of X, Y and Z

Oil-resistance cable (0.15 mm²)

range of 0~50°C G1/8". M5-F



Industry-specific applications





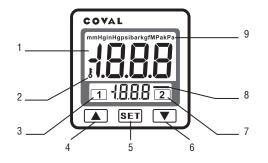




Advantages

- 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 indicator
- **3** 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.



Vibrations

Shocks

Port size Lead wire

Weiaht

Temperature characteristic

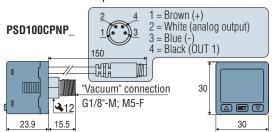
PSD 100

Vacuum Switch with 3-color Display



Electrical connections - Dimensions

■ M8 Connector-4 poles



PSD100LPNP_

2 = White (OUT2)

3 = Blue (-)

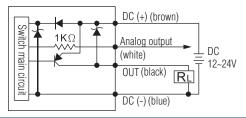
4 = Black (OUT 1)

"Vacuum" connection
G1/8"-M; M5-F

412

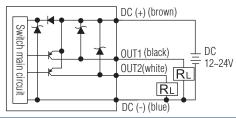
Electrical Diagrams





PSD100_PNP2

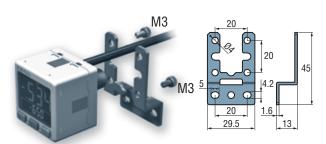
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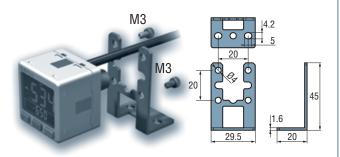
Mounting Solutions

Mounting brackets

■ PSDFIXA, vertical attachment.



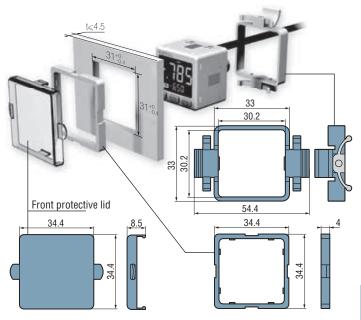
■ PSDFIXB, horizontal attachment.



Panel mounting kits

■ **PSDFIXC**: front attachment kit.

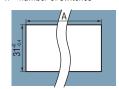
■ PSDFIXD: front attachment kit + front protective lid

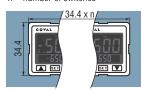


Panel opening (max. thickness: 4.5 mm)

For 1 vacuum switch For multiple vacuum switches: $\begin{array}{ll} \text{For multiple vacuum switches:} \\ \text{A} = (34.4 \times n) - 3.4 \\ \text{n} = \text{number of switches} \end{array}$ Dimensions after installation n = number of switches







Note: all dimensions shown in (mm)

