

CPS-24V PRESSURE SENSOR

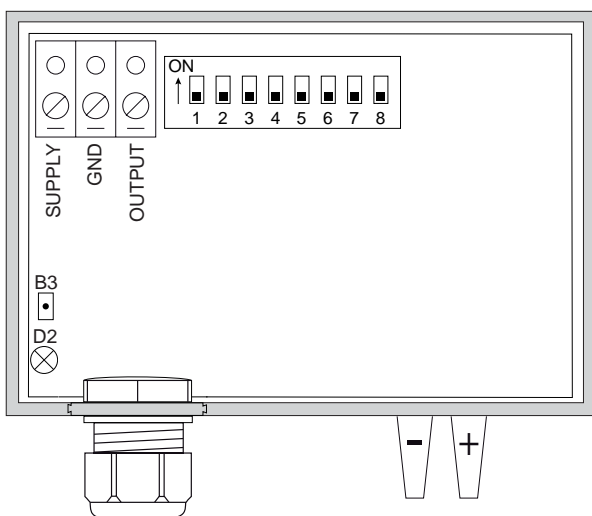
Differential air pressure sensor for ventilation installations.
8 possible pressure range settings. 0-2100 Pa.



TECHNICAL DATA

Supply voltage:	24V AC/DC $\pm 10\%$
Power consumption:	Approx. 40 mA
Output signal:	0-10V/4-20 mA
Pressure ranges:	0-50/100/300/500/700/1000/ 1500/2100 Pa
Accuracy:	Normally $\pm 1\%$ of measured pressure
LED green:	Fixed light: normal function Flashing: zero pressure calibration
Ambient temperature:	-20 to +50°C
Cable inputs:	1xM16, 5-10 mm cable
Dimensions (WxHxD):	74x91x36xmm
Weight:	Approx. 90 g
Protection:	IP54

WIRING DIAGRAM



PROPERTIES

- 8 possible pressure range settings
- High accuracy
- Ambient temperature -20 to +50°C
- Easy to install enclosure
- Removable cable port and terminal block
- 0-10V output signal
- 4-20 mA output signal
- 4 signal damping choices
- Supplied with 2 m hose and 2 nipples

FUNCTION

The CPS-24V pressure sensor has an integrated differential pressure element that is temperature compensated for high accuracy and linearity. The required pressure range is set with a DIP switch. The output signal (0-10V or 4-20 mA) and required signal damping are also set with the DIP switch.

The terminal block and enclosure cable port (with mounted M16 cable fitting) are removable for easier installation. The enclosure cover is hinged at the top, has a snap fastener at the bottom and catches to keep the cover in raised position.

USE

CPS-24V is intended for measuring differential pressure in ventilation installations.

MOUNTING

CPS-24V is for wall mounting. See the installation instructions included with the product for more information.

MAINTENANCE

CPS-24V is maintenance free. Zero calibration can be carried out if necessary.

ORDERING EXAMPLE

Part code	Name
CPS-24V	Pressure sensor 0-2100 Pa, 24V