

OPERATING INSTRUCTIONS

INTELLIGENT DIFFERENTIAL PRESSURE SWITCH

MODEL: MVDPS



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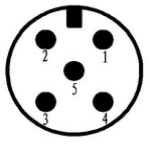
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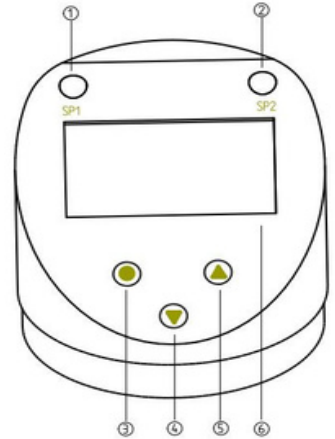
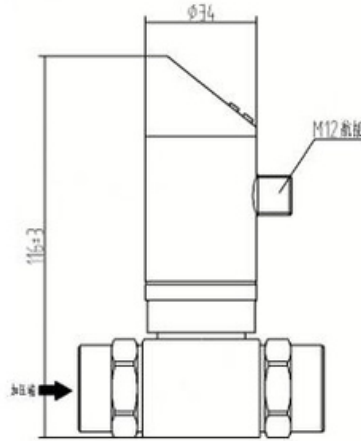
MVDPS intelligent differential pressure switch is a pressure controller that provides dual-channel NO/NC digital switch outputs, digital pressure display, and 4-20mA current output.

Characteristics

- Delicate and elegant design
- Flexible pressure display with optional units
- Field-programmable switch thresholds, normally open/normally closed and other switch parameters
- The switch function supports both hysteresis and window modes
- Flexible 4-20mA output and corresponding pressure point migration
- Quick on-site zero correction, quick switching units
- Switch signal damping, switch signal filtering algorithm
- Field-programmable pressure sampling frequency
- NPN/PNP free switching
- Display information 180° flip
- The instrument body rotates 300°

Wiring method

M12X1 aviation plug	Wiring definition
	1 VCC power positive
	2 SP2 Switch2
	3 GND power negative
	4 SP1 Switch1
	5 4-20mA



Header introduction :

- ① Digital Output 1 Alarm Indicator
- ② Digital Output 2 Alarm Indicator
- ③ [●] Enter/Confirm Key
- ④ [▼] Down/Decrease Key
- ⑤ [▲] Up/Increase Key

Key operation instructions:

1. During Normal

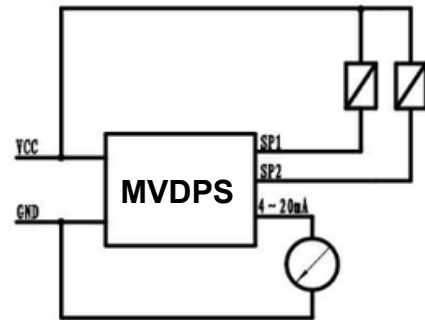
Pressure Display:

- [●]: Menu
- [▼]: Quick Zero Calibration
- [▲]: Quick Unit Switch

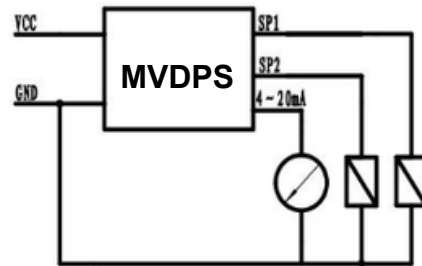
2. In Menu Interface:

- [●]: Enter/Exit
- [▲][▼]: Data Adjustment

Recommended test circuit

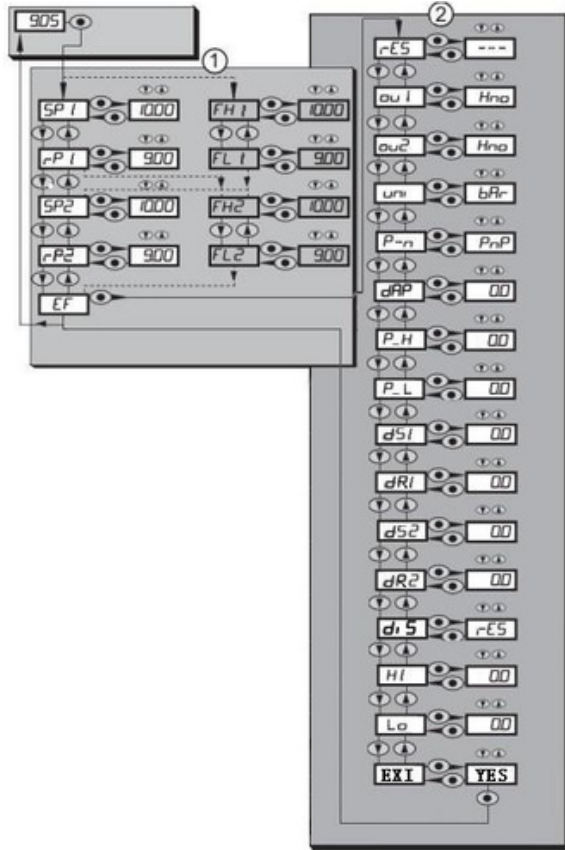


NPN output wiring



PNP output wiring diagram

Menu



Spx / rPx	Upper/lower limit values of system pressure when OUX is turned on with hysteresis Settings. If the OUTx parameter [Hno] or [Hnc] is set in the extended function "EF" menu, display Spx/rpx.
FHx / FLx	Upper/lower limit values of system pressure when Oux is open with window Settings. If the parameters [Fno] or [Fnc] of OUTx have been set in the "EF" menu of the extended function, FHx/FLx will be displayed.
EF	Expand functionality, open the second-level menu
RES	factory data reset
OUx	Select output mode
UNI	Select display units Kpa MPa bar PSI Four units are available
P-N	NPN/PNP switch mode selection
DAP	Damping parameters
P-H/P-L	Transmitter full point/zero point migration
DSx/DRx	Switch action delay
DIS	Screen inversion
HI/LO	Historical maximum/minimum
EXI	Exit the Settings interface