KELLER

PROGRAMMABLE PRESSURE SWITCH / TRANSMITTER   PA-22 PS

USER SELECTED SWITCHING POINTS AND FUNCTIONS

The PA-22 PS is a compact programmable pressure switch and pressure transmitter. It offers continuous analog 0,5…4,5 V signal for process monitoring and switch functions to activate alarms or control relays at predetermined pressure levels

The PA-22PS provides two independent switches for hi/lo control functions. These solid state switches are not subject to wear and can be factory programmed in either PNP or NPN outputs. The optional DV-22 PP programmer (external supply) allows the user to easily change settings. This programmer can also be linked to a laptop/PC for use with Keller's "pressure Switch Console" software.

The following characteristics can be programmed either at the factory, or by the User via the DV-22 PP:

- ➡ Switching thresholds
- ➡ Hysteresis / window function
- ➡ Normally open / normally closed
- ➡ Switching delay

Pressure sequences can also be monitored and recorded on the PC for application diagnostic purposes using the DV-22 PP programmer unit and PC-software.

The PA-22 PS provides a compact, sturdy design that is ideal for harsh environments.

Connection assignment M12: 1:   +Vcc (8…40 VDC)
2:   Switch Output 2
3:   GND
4:   Switch Output 1
5:   Analog Output (0,5 – 4,5 V)

*PA-22 PS
Pressure Switch*

*dV-22 PP
Programming Unit (optional)*

SPECIFICATIONS

Pressure Ranges absolute	4 bar to 400 bar
Overpressure	1,5 x pressure range
Error Band (0…80 °C) *	2 %FS
Operating Temperature	-40…125 °C
Measuring Interval	≈ 1 ms
Switch Delay	0…5 s (steps of 20 ms)
Supply	8…40 VDC
Analog Output	0,5…4,5 V, load resistance > 30 kΩ
Switch Outputs	2 x PNP/NPN selectable, max. load: 0,5 A
Smallest Resolution of Switch Points	1/820 FS (0,12 %FS)
Pressure Connection	G 1/4" with HEX22
Electrical Connection	M12, 5 Pol
Protection	IP 67 (with corresponding counter-plug)
Width x Height	26 x 53 mm
Weight	≈ 60 g
Optional Accessories	Programmer dV-22 PP to program the pressure switch. The programmer is connected to the PC via converter cable K-107 or K-104B.

Configuration Program "Pressure Switch Console"

* Includes linearity, repeatability, hysteresis and temperature error. Does not include Zero stability.