

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

Overpressure

Error Band (0...80 °C) * Operating Temperature

Measuring Interval Switch Delay Supply

Analog Output Switch Outputs

Smallest Resolution of Switch Points

Pressure Connection
Electrical Connection

Protection Width x Height Weight

Optional Accessories

4 bar to 400 bar 1,5 x pressure range

2 %FS -40...125 °C

≈ 1 ms

0...5 s (steps of 20 ms)

8...40 VDC

0.5...4.5 V, load resistance > 30 k Ω 2 x PNP/NPN selectable, max. load: 0,5 A 1/820 FS (0,12 %FS)

G 1/4" with HEX22 M12, 5 Pol

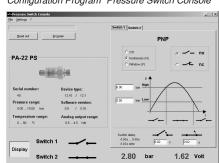
IP 67 (with corresponding counter-plug)

26 x 53 mm ≈ 60 g

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"



Subject to alterations 05/2011

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