

PRESSURE SWITCH

S Series

Digital Electronic Pressure Switch

A digital pressure switch with a 4-digit LED display, configurable PNP/NPN switching, optional analog output, and selectable ranges from vacuum through 1,000 bar.



PRESSURE RANGE	OUTPUT	PROTECTION
-1 to 1,000 bar	PNP/NPN switch outputs; optional 4-20 mA or 0-10 V	IP65

PRODUCT OVERVIEW

The S Series combines electronic switching, local pressure indication, and optional analog transmission in one compact device. Independent switch and reset values, configurable NO/NC behavior, adjustable delay, and password protection simplify machine commissioning while helping prevent unauthorized setting changes.

KEY FEATURES

- 4-digit red LED pressure display with top-mounted controls
- Independent switch and reset points with NO/NC selection
- One or two PNP/NPN switch outputs, model dependent
- Optional 4-20 mA or 0-10 V analog output
- Adjustable 0-99.99 second switch delay
- Password protection and optional minimum/maximum value memory

TYPICAL APPLICATIONS

- Hydraulic and pneumatic machinery
- Pump and compressor control
- Process automation
- Mobile and industrial equipment

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Pressure ranges	Vacuum/compound options plus 0-2, 5, 10, 20, 50, 100, 160, 250, 400, 600, 700, or 1,000 bar
Model configurations	S20: 2 switch outputs; S11: 1 switch + 4-20 mA; S21: 2 switches + 4-20 mA; S31: 1 switch + 0-10 V
Switch function	PNP/NPN, normally open or normally closed
Switching range	1-100% FS; reset range 0-99% FS
Switch delay	0-99.99 s
Maximum switch load	0.5 A
Response time	<6 ms
Analog outputs	4-20 mA standard or 0-10 V optional
Supply voltage	12-30 VDC; ripple <10%
No-load current	<=25 mA
Accuracy options	+/-1% FS or +/-0.25% FS
Repeatability	0.3% FS
Operating / storage temperature	-20 to +70 deg C / -30 to +80 deg C
Temperature drift	0.3% per 10 K
Wetted system	Stainless steel for ranges >=100 bar; ceramic and NBR for ranges <=50 bar
Process connections	G1/4, G3/4 flush diaphragm, or custom
Electrical connection	M12 x 1, 4-pin or 5-pin
Ingress protection	IP65

Configuration note: Specifications and approvals can vary by pressure range, output, connection, and material selection. Confirm the exact ordering code and controlled specification with CASCED US before design release.

[View the current product page and request a quote at casced-us.com](#)

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