



• Automotive • Commercial • Industrial • Marine

# Adjustable Pressure Switch

Robust and compact designed to operate  
in harsh environments

**VDO**

# Pressure switches for a range of applications

The VDO pressure switches are robust, compact and designed to operate in harsh environments at various pressures and in extended duty applications. Because of its special internal design, this switch can tolerate high pressure spikes inherent on many pressure systems.

The switch is factory calibrated but in the case that adjustment is needed in the field, the switch offers an adjustment screw to facilitate any fine tuning required within the given set point range.

The standard polyimide diaphragm (Kapton), makes it compatible with many gases, oils, jet fuels and similar hydrocarbons media.

Standard screw type electrical terminals are available. Also included with the switch are screw to blade converters.

The overall ruggedness of the VDO pressure switch makes it a popular choice for many OEM and aftermarket applications.



Illustration shows spade terminals included with all switches



Protective rubber boot  
PN: 330.100

## Part No. Identification

330.102C

330 - Depicts single circuit 2 terminal.

102 - 02 factory pressure set rating eg:(psi=2)

C - State switch function C = normally closed.

Part Number	Description- Pressure Switch Brass	Preset	Range	Thread Type	Terminal
330.101	2 Terminal N/O 0.5-1psi	1 psi	0.5-1psi N/O	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.101C	2 Terminal N/C 0.5-1psi	1 psi	0.5-1psi N/C	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.102	2 Terminal N/O 1.1-3psi	2 psi	1.1-3psi N/O	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.102C	2 Terminal N/C 1.1-3psi	2 psi	1.1-3psi N/C	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.104	2 Terminal N/O 3.1-7psi	4 psi	3.1-7psi N/O	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.104C	2 Terminal N/C 3.1-7psi	4 psi	3.1-7psi N/C	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.110	2 Terminal N/O 8-13psi	10 psi	8-13psi N/O	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.110C	2 Terminal N/C 8-13psi	10 psi	8-13psi N/C	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.115	2 Terminal N/O 14-24psi	15 psi	14-24psi N/O	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.115C	2 Terminal N/C 14-24psi	15 psi	14-24psi N/C	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.135	2 Terminal N/O 25-50psi	35 psi	25-50psi N/O	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.135C	2 Terminal N/C 25-50psi	35 psi	25-50psi N/C	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.160	2 Terminal N/O 51-90psi	60 psi	51-90psi N/O	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.160C	2 Terminal N/C 51-90psi	60 psi	51-90psi N/C	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.1100	2 Terminal N/O 91-150psi	100 psi	91-150psi N/O	1/8" – 27NPTF	2 x Screw + 2 x Spade
330.1100C	2 Terminal N/C 91-150psi	100 psi	91-150psi N/C	1/8" – 27NPTF	2 x Screw + 2 x Spade

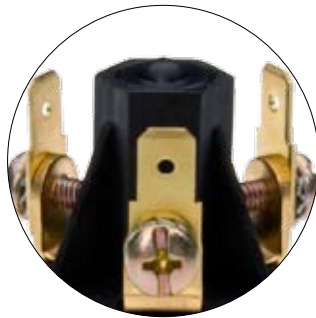


Illustration shows spade terminals included with all switches



Protective rubber boot  
PN: 330.100

### Part No. Identification

430.104

430 - Depicts dual circuit, 1 circuit adjustable.

104 - 04 factory pressure set rating eg:(psi=4)

Part Number	Description- Pressure Switch Brass	Preset	Range	Thread Type	Terminal
430.101	3 Terminal dual N/O 0.5-1psi	1 psi	0.5-1psi N/O	1/8" – 27NPTF	3 x Screw + 3 x Spade
430.102	3 Terminal dual N/O 1.1-3psi	2 psi	1.1-3psi N/O	1/8" – 27NPTF	3 x Screw + 3 x Spade
430.104	3 Terminal dual N/O 3.1-7psi	4 psi	3.1-7psi N/O	1/8" – 27NPTF	3 x Screw + 3 x Spade
430.110	3 Terminal dual N/O 8-13psi	10 psi	8-13psi N/O	1/8" – 27NPTF	3 x Screw + 3 x Spade
430.115	3 Terminal dual N/O 14-24psi	15 psi	14-24psi N/O	1/8" – 27NPTF	3 x Screw + 3 x Spade
430.135	3 Terminal dual N/O 25-50psi	35 psi	25-50psi N/O	1/8" – 27NPTF	3 x Screw + 3 x Spade
430.160	3 Terminal dual N/O 51-90psi	60 psi	51-90psi N/O	1/8" – 27NPTF	3 x Screw + 3 x Spade
430.1100	3 Terminal dual N/O 91-150psi	100 psi	91-150psi N/O	1/8" – 27NPTF	3 x Screw + 3 x Spade

### ADAPTORS, brass

Suitable for pressure & temperature senders & switches with 1/8"-27NPTF thread. Mechanical temperature gauges with 1/8"-27NPTF thermowell (180.059). Oil line kits (230.012 & 230.013) for mechanical pressure gauges.



Part No.	Internal Thread	External Thread	Overall Length
320.050	1/8"-27NPTF	1/4"-18NPTF	20mm
320.051	1/8"-27NPTF	3/8"-18NPTF	20mm
320.052	1/8"-27NPTF	5/8"-18UNF	20mm
320.053	1/8"-27NPTF	1/2"-14NPTF	20mm
320.054	1/8"-27NPTF	M14x1.5	20mm
320.055	1/8"-27NPTF	M16x1.5	20mm
320.056	1/8"-27NPTF	M18x1.5	20mm

### T-PIECE ADAPTORS, brass

Suits oil line kits and oil pressure sender units with 1/8"-27NPTF male thread, while at the same time retaining the existing oil warning light switch.



Part No.	Thread "A"	Thread "B"	Thread "C"	Length
230.031	1/8"-27NPTF	1/8"-27NPTF	1/8"-27NPTF	66mm
230.032	1/4"-18NPTF	1/4"-18NPTF	1/8"-27NPTF	66mm
230.035	M14x1.5	M14x1.5	1/8"-27NPTF	66mm
230.036	1/8"-28BSPT	1/8"-28BSPT	1/8"-27NPTF	66mm

# Technical Data

<b>Model</b>	<b>VDO Switch Models 330 &amp; 430</b>
Media	Air, motor oils, transmission oils, jet fuels and other similar hydrocarbon media
Pressure Set Point	Factory set from 0.5 to 150psi
Max Operating Pressure	150 psi for 0.5-24 psi set point range 250 psi for 25-150 psi set point range
Proof Pressure	500psi
Burst Pressure	750 psi for 0.5-24psi set point range 1250 psi for 25-150psi set point range
Operating Temperature Range	-40C to +120C
Switch Type	Direct action, blade contact
Electric Rating	Resistive: 15AMP-6VDC 8AMP-12VDC 4AMP-24VDC Inductive: 1AMP-120VAC 0.5AMP-240VAC
Contact Arrangement	SPST-N.O.,N.C., 1 circuit adjustable dual circuit, or 2 circuits adjustable dual circuit
Terminals	#8-32 screws, 1/4 spade converter included with each switch
Connection	1/8-27NPTMale
Material	Contact: Silver alloy, gold plated Base: Brass Cover: Glass reinforced polyester Diaphragm: Polyimide film

For further information about VDO visit [www.vdo.net.au](http://www.vdo.net.au)

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