

Pressure Switches

PRESSURE SWITCHES

MODEL S 195

Various pressure switches are available to suit low, medium and high pressure requirements. The hydraulic unit employed is basically the same as that fitted in the Model S122 pressure transmitter, i.e., bellows or Bourdon tube. When a pre-determined pressure is applied a micro-switch is operated via a connecting linkage.

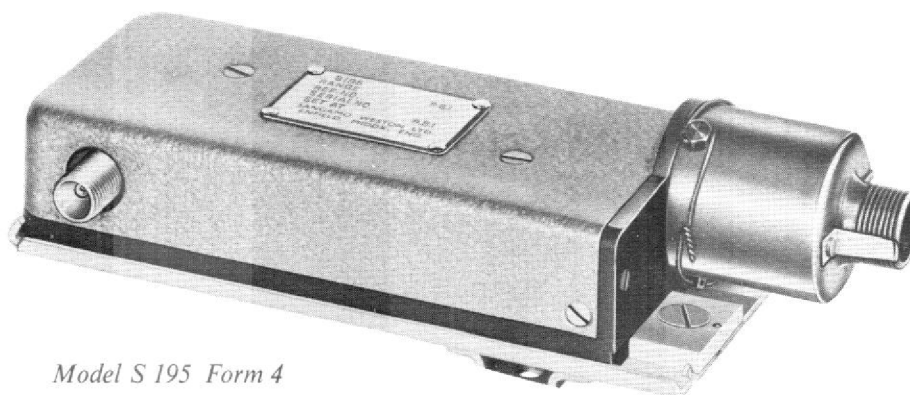
The switch is adjusted, on assembly, to open or close at any specified value between 10% and 100% of the maximum rated value and to operate on either rising or falling pressure; unless otherwise stated switches are adjusted on rising pressure.

The normal working pressure of switches 0-600 p.s.i. or above must not exceed 2/3 of the maximum rated value.

CONTACT RATING:	3 A/250V A.C. or 2.5A/30V D.C.
ACCURACY:	$\pm 1\%$ of max. rated value.
AMBIENT TEMP. RANGE:	- 40 to 70°C.

Standard 1/8in B.S.P. connectors are fitted as standard for connection to the pressure line. 3/8in UNF x 20 TPI can be fitted as an alternative. For special applications where corrosive fluids are being used, for example Skydrol, a special form of hydraulic unit can be offered, fitted with a separator. (Forms 10 and 11).

A list of pressure switch form numbers is given overleaf.



Model S 195 Form 4

PRESSURE SWITCHES

MODEL	FORM	DESCRIPTION	RANGES,P.S.I.	ELECTRICAL CONNECTIONS	APPROX. WEIGHT	F.D.
S195	1	A.V. Mounted type bellows Hyd. Unit	0-40,0-60,0-80, 0-120	3 pin Plug	11 oz (312 g)	755
S195	3	Direct Mounted type bellows Hyd. Unit	0-50,0-60,0-80, 0-120	3 pin Plug	10 oz (284 g)	757
S195	4	Bourdon Tube Hyd. Unit Provision for A.V. Mounting	0-600,0-1000, 0-2000,0-3000,0-4000 0-6000	3 pin Plug	14 oz (397 g)	886
S195	6	Bourdon Tube Hyd. Unit Provision for A.V. Mounting	0-600,0-1000, 0-2000,0-3000,0-4000, 0-6000	No.6BA Screw Terminals	14 oz (397 g)	1038
S195	8	A.V. Mounted type bellows Hyd. Unit	0-40,0-60,0-80, 0-120	No.6BA Screw Terminals	11 oz (312 g)	1179
S195	9	Direct Mounted type bellows Hyd. Unit	0-40,0-60,0-80, 0-120	No.6BA Screw Terminals	10 oz (284 g)	1225
S195	10	Similar to Form 4 but fitted with separator unit	0-600,0-1000, 0-2000,0-3000,0-4000, 0-6000	3 pin Plug	16 oz (454 g)	1219
S195	11	Similar to Form 6 but fitted with separator unit	0-600,0-1000, 0-2000,0-3000,0-4000, 0-6000	No.6BA Screw Terminals	16 oz (454 g)	1234

See Section 18 for details of Leads with Moulded Sockets.

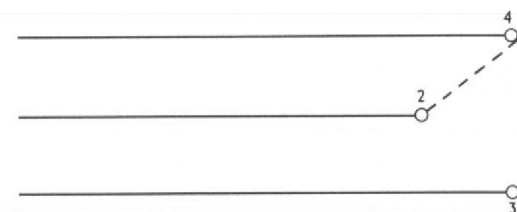
See Section 26 for details of Quick Release Mounting Plates and A.V. Mounts

WIRING DIAGRAMS

WITH 3-PIN PLUG USING
LEADS FD3766, IO67, I211



WITH SCREW TERMINALS



Contacts at set temperature: B—Y or 2—4 closed. B—R or 2—3 open.



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