



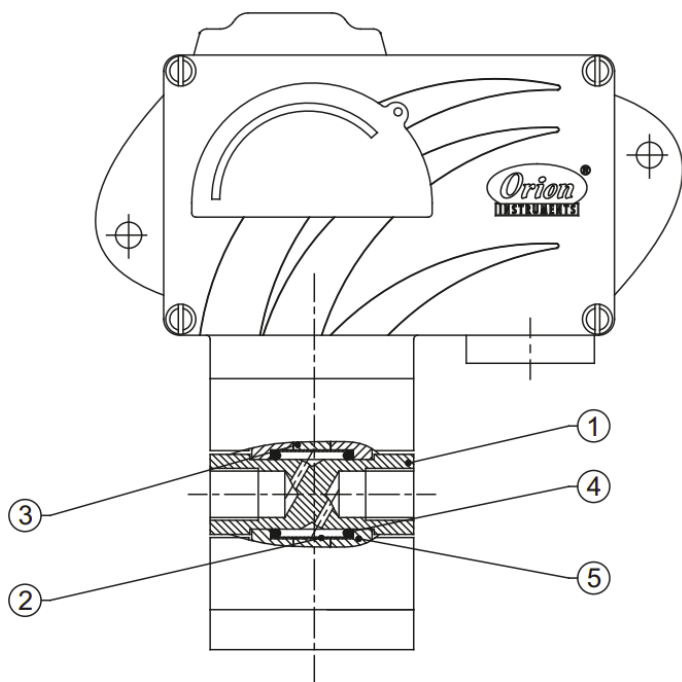
Orion INSTRUMENTS H1U Hydraulic Range DP Instructions

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Orion INSTRUMENTS H1U Hydraulic Range DP Instructions



PRESSURE CAPSULE DETAILS



INSTALLATION DRAWING



RANGE SELECTION TABLE

Range Code	Range bar (<i>psi</i>)	Differential* bar (<i>psi</i>)	Maximum Working Pressure bar (<i>psi</i>)
		Approximate Maximum for "A1" microswitch	
H1U	0.1 – 1.0	0.30	150
	(1.45 – 14.50)	(4.35)	(2175)
H2U	0.2 – 1.5	0.30	150
	(2.90 – 21.75)	(4.35)	(2175)
H3U	0.2 – 2.6	0.40	150
	(2.90 – 37.7)	(5.8)	(2175)
H4U	0.2 – 3.6	0.40	150
	(2.90 – 52.2)	(5.8)	(2175)
H7U	0.5 – 7.0	0.80	150
	(7.25 – 101.5)	(11.60)	(2175)
D1T	1.0 – 10.0	1.00	200
	(14.50 – 145)	(14.50)	(2900)
D2T	2.0 – 20.0	2.00	200
	(29.00 – 290.70)	(29.00)	(2900)
D3T	3.0 – 30.0	2.50	200
	(43.51 – 435.11)	(36.25)	(2900)
D4T	5.0 – 40.0	4.00	400
	(72.50 – 580)	(58)	(5800)
D1H	10 – 100	10.00	400
	(145.00 – 1450)	(145)	(5800)
D2H	10.0 – 200	20.00	400
	(145.00 – 2900)	(290)	(5800)

HOW TO ORDER INDUSTRIAL HYDRAULIC RANGE DP SWITCHES

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
Non standard allocation	Model	Cable Entry Size	Switch Type	Range Code (values in bar)	Microswitch Type	Pressure Port Material / Size	Diaphragm
Reserved for non-standard options not covered in catalogue. Will be given by manufacturer, only after agreement of supply details with customer.	MD = Industrial pressure switch with IP66 rated enclosure as per IS/IEC 60529 MT = Industrial pressure switch with IP66 rated enclosure as per IS/IEC 60529	1 = Al. enclosure ½" NPT threads *2 = Al. enclosure ¾" NPT threads 3 = Al. enclosure M20 X 1.5 threads 7 = SS enclosure, ½" NPT threads *8 = SS enclosure, ¾" NPT threads 9 = SS enclosure, M20 X 1.5 threads *Not available for MT model For dual cable entry contact Sales Office	DF1 = pressure difference switch, fixed differential without scale DF2 = pressure difference switch, fixed differential with scale in bar DF3 = pressure difference switch, fixed differential with scale in psi *DA1 = pressure difference switch, adjustable differential without scale *DA2 = pressure difference switch, adjustable differential with scale in bar *DA3 = pressure difference switch, adjustable differential with scale in psi *Available with A6, A7, A9 & B9 (in group 6) only	H1U = (0.1 – 1.0) H2U = (0.1 – 1.5) H3U = (0.2 – 2.6) H4U = (0.2 – 3.6) H7U = (0.5 – 7.0) D1T = (0.5 – 10.0) D2T = (1.0 – 15.0) D3T = (5.0 – 25.0) D4T = (5.0 – 40.0) D1H = (10 – 100) D2H = (7.0 – 200)	A1 = General purpose microswitch, rated at 15 A; 250 VAC *A6 = Adjustable deadband *A7 = 2SPDT switching elements *A8 = General purpose microswitch *A9 = General purpose microswitch *B7 = 2SPDT Switching Elements *B9 = 2SPDT Switching Elements for adjustable differential * For detailed specifications of microswitches, please refer not under Range Selection Table	S1 = SS 316 / ¼" BSP(F) S2 = SS 316 / ¼" NPT(F) H1 = Hastelloy C / ¼" BSP(F) H2 = Hastelloy C / ¼" NPT(F) N1 = Monel / ¼" BSP(F) N2 = Monel / ¼" NPT(F) More options available. Please contact sales office.	0 = Neoprene 1 = TFE 2 = SS 316L 3 = Hastelloy C 4 = Monel For additional wetted parts please contact sales office

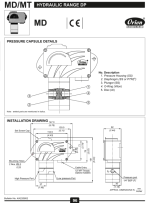
eg. A high range pressure difference industrial switch, with ½" NPT cable entry in aluminium housing as 1SPDT pressure switch, fixed differential without scale, having 0.1 bar to 1 bar pressure range, with 15 Amp. microswitch, SS316 pressure housing with ¼" BSP port size & neoprene diaphragm shall be specified by

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
	MD	1	DF1	H1U	A1	S1	0

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