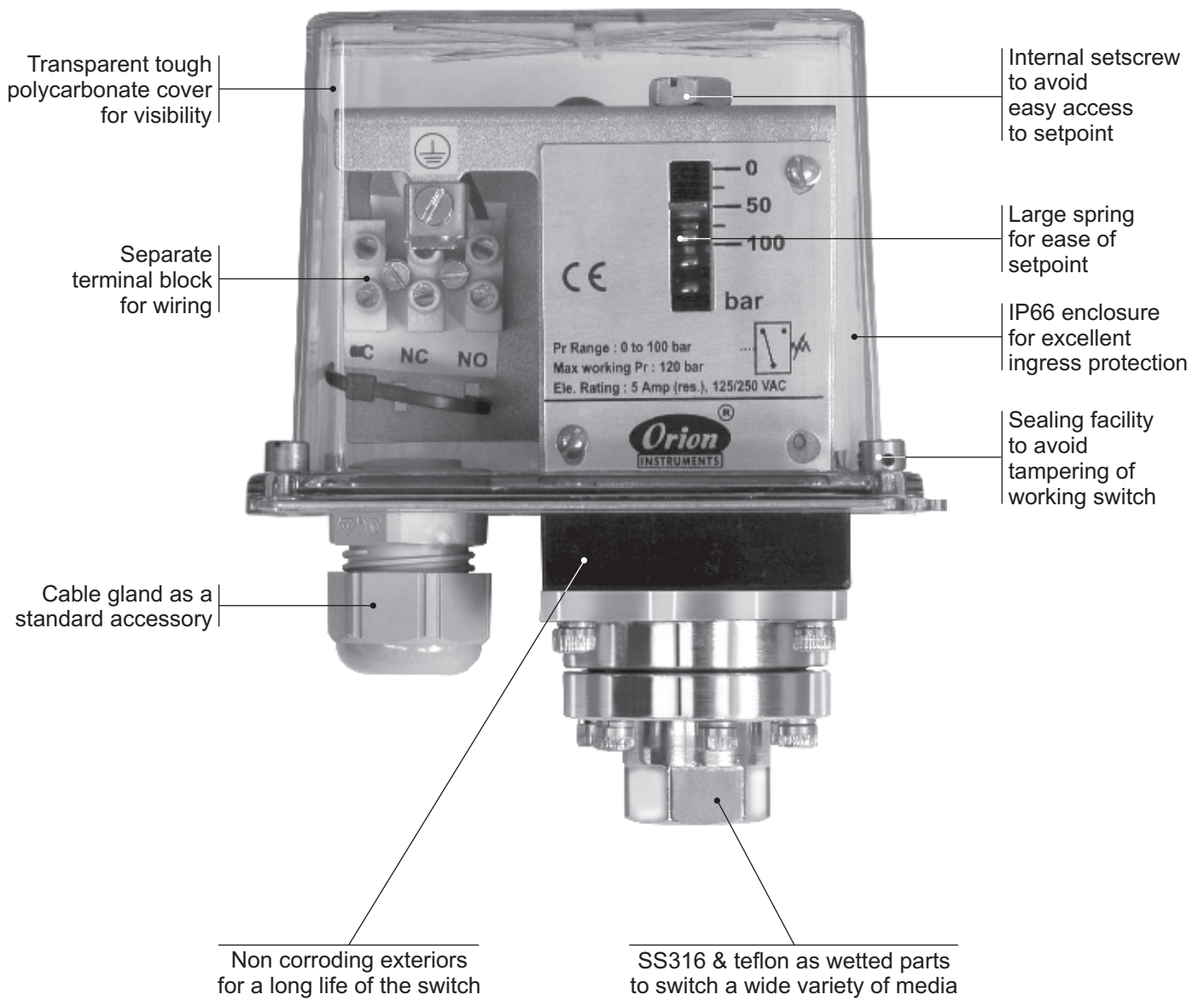


# MZ HYDRAULIC DIAPHRAGM PRESSURE SWITCHES

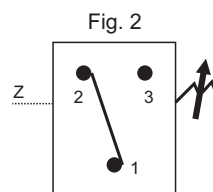


**Approximate Weight :** 0.680 Kg.

**Some Applications :**

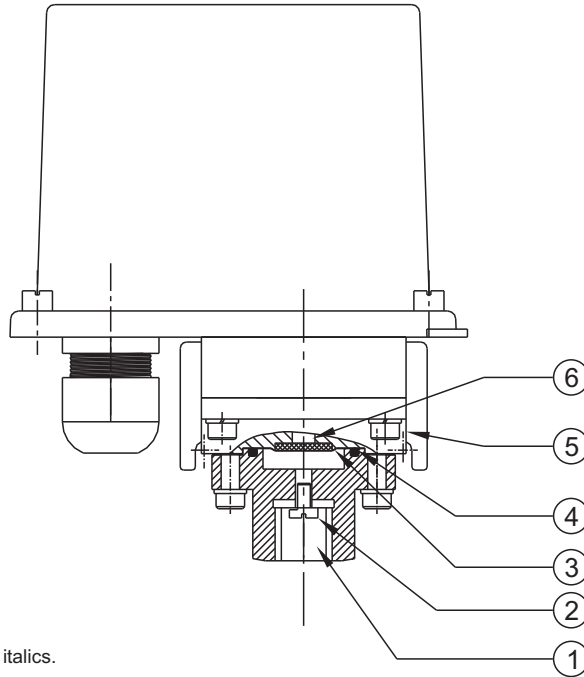
High Pressure applications requiring diaphragm as sensing element like water treatment plants, etc.

**Electrical Connection :**





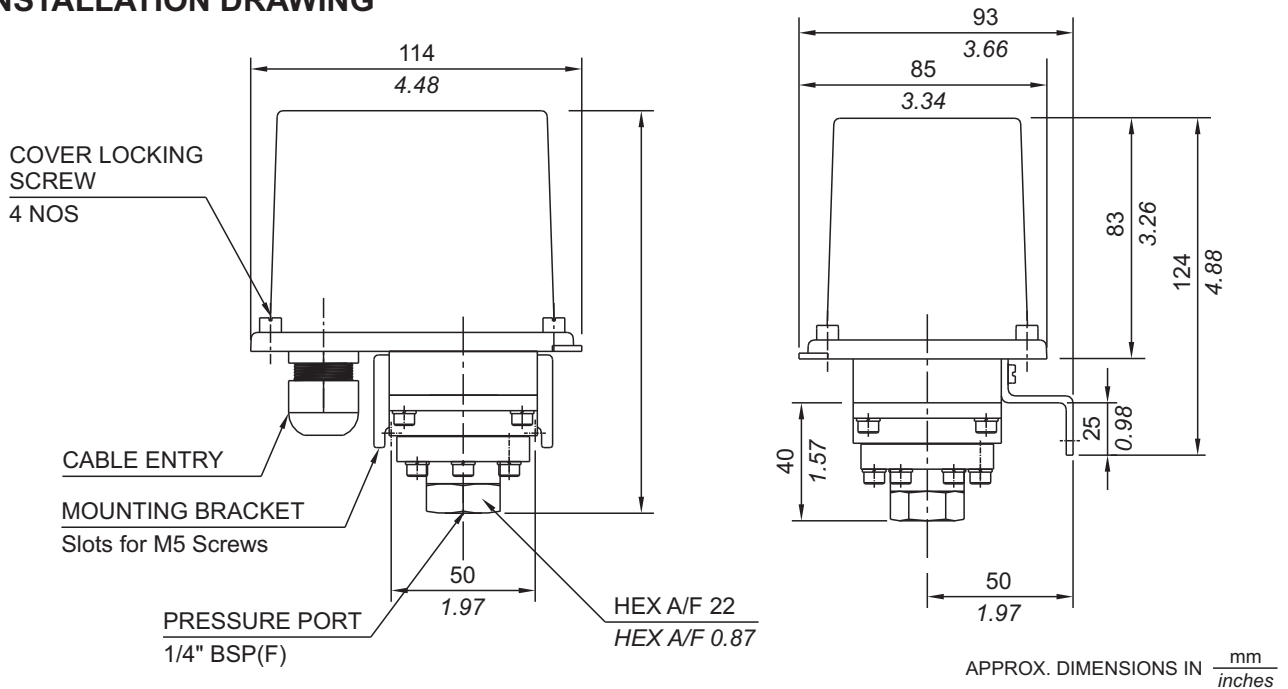
## PRESSURE CAPSULE DETAILS



- No. Description**
1. Pressure Housing
  2. Surge Reducer
  3. Diaphragm
  4. O-Ring
  5. Disc
  6. Plunger

Note : *wetted parts* are mentioned in italics.

## INSTALLATION DRAWING



## RANGE SELECTION TABLE

Range Code	Range bar (psi)	Differential* bar (psi)	Maximum Working Pressure bar (psi)
		Approximate Maximum for "A8" microswitch	
H1T	0.5 - 10 (7.25 - 145.04)	0.5 (7.25)	150 (2175.51)
H2T	2 - 20 (29.00 - 290.07)	2 (29.00)	200 (2900.76)
H4T	5 - 40 (72.52 - 580.15)	5 (72.52)	200 (2900.76)
H1H	10 - 100 (146.04 - 1450.38)	12 (174.05)	200 (2900.76)
H2H	7 - 200 (101.52 - 2900.76)	24 (348.09)	400 (5801.52)
H4H	40 - 400 (580.15 - 5801.52)	70 (1015.27)	500 (7251.88)

\* Minimum differential increases with setpoint (Graphs available on request)

\* Differentials of microswitches A2 through A9 will vary. Differentials for A7 are typically twice that for A1 microswitch. Please indicate specifically the differential value in enquiry/order, when it is critical in your application.

## HOW TO ORDER PROCESS HYDRAULIC DIAPHRAGM PRESSURE SWITCHES

# HYDRAULIC DIAPHRAGM PRESSURE SWITCHES

# MZ

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
Non standard allocation	Model	Cable Entry Size and Material of Enclosure	Switch Type	Range Code (values in bar)	Microswitch Type	Pressure Port Material / Size	Diaphragm
<input type="checkbox"/> Reserved for non-standard options not covered in catalogue. Will be given by manufacturer, only after agreement of supply details with customer.	<b>MZ</b> = Process pressure switch with tough transparent polycarbonate enclosure to IP66 as per IS2147	<b>3</b> = M20 X 1.5 cable gland	<b>PF2</b> = pressure switch, fixed differential with scale in bar <b>PF3</b> = pressure switch, fixed differential with scale in psi <b>*PA2</b> = pressure switch, adjustable differential with scale in bar <b>*PA3</b> = pressure switch, adjustable differential with scale in psi <small>*Available only with option A9 in Group 6</small>	<b>H1T</b> = (0.5 - 10) <b>H2T</b> = (2 - 20) <b>H4T</b> = (5 - 40) <b>H1H</b> = (10 - 100) <b>H2H</b> = (7 - 200) <b>H4H</b> = (40 - 400)	<b>A8</b> = General purpose microswitch rated at 5A; 250 VAC <b>A7</b> = 2SPDT microswitches <b>A9</b> = General purpose microswitch rated @ 5A, 250 VAC	<b>S1</b> = SS316 / 1/4" BSP(F) <b>S2</b> = SS316 / 1/4" NPT(F) <b>4</b> = Monel	<b>2</b> = SS316 <b>4</b> = Monel
					<small>* Please refer note under Range Selection Table</small>	<small>Please refer page no. 226 &amp; 227 for more pressure port options</small>	

eg. A process pressure switch with fixed differential having 5 bar to 40 bar pressure range, with 5 Amp. microswitch, SS316 pressure housing with 1/4" 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
<input type="checkbox"/>	MZ	3	PF2	040	A8	S1	0

Please specify full model number to avoid ambiguity.