

## RANGE SELECTION TABLE

| Range Code | Range<br>mbar ("wc)           | Differential* mbar (" wc)                         | Maximum<br>Working Pressure<br>bar (psi) |
|------------|-------------------------------|---------------------------------------------------|------------------------------------------|
|            |                               | Approximate<br>Maximum<br>for "A1"<br>microswitch |                                          |
| N02        | 1.5 - 15<br>(0.602 - 6.02)    | 3<br>(1.204)                                      | 20<br>(290.076)                          |
| N03        | 5 - 25<br>(2.007 - 10.037)    | 5<br>(2.007)                                      | 20<br>(290.076)                          |
| N05        | 10 - 50<br>(4.015 - 20.073)   | 5<br>(2.007)                                      | 20<br>(290.076)                          |
| N10        | 10 - 100<br>(4.015 - 40.146)  | 10<br>(4.015)                                     | 20<br>(290.076)                          |
| N15        | 10 - 150<br>(4.015 - 60.22)   | 10<br>(4.015)                                     | 20<br>(290.076)                          |
| N25        | 20 - 250<br>(8.03 - 100.36)   | 15<br>(4.015)                                     | 20<br>(290.076)                          |
| N35        | 50 - 350<br>(20.073 - 140.51) | 35<br>(14.05)                                     | 20<br>(290.076)                          |

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

**\* Note :**

Microswitches A2 through A9 can be supplied in some ranges and differentials will vary with microswitch used. Please contact sales office for details. Please check availability of adjustable differential with sales office.

### HOW TO ORDER FLAMEPROOF LOW RANGE HIGH PROOF PRESSURE 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<br>(values in mbar)                                                                                                                                                         | Microswitch<br>Type                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pressure Port<br>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>FC</b> = Flameproof pressure switch, ATEX and IECEx approved, with Aluminium head as per IS/IEC 60079-1 for Gas Gr. IIC | <b>1</b> = ½" NPT threads<br><b>2</b> = ¾" NPT threads<br><b>3</b> = M20 X 1.5 threads<br><b>4</b> = Grey CI head ½" NPT threads<br><b>5</b> = Grey CI head ¾" NPT threads<br><b>6</b> = Grey CI head M20x1.5<br><b>7</b> = SS ½" NPT threads<br><b>8</b> = SS ¾" NPT threads<br><b>9</b> = SS head M20x1.5 threads | <b>P1</b> = pressure switch, fixed differential without scale<br><b>P2</b> = pressure switch, fixed differential with scale in mbar<br><b>P3</b> = pressure switch, fixed differential with scale in "Wc | <b>N02</b> = (1.5 - 15)<br><b>N03</b> = (5 - 25)<br><b>N05</b> = (10 - 50)<br><b>N10</b> = (10 - 100)<br><b>N15</b> = (10 - 150)<br><b>N25</b> = (20 - 250)<br><b>N35</b> = (50 - 350) | <b>A1</b> = General purpose microswitch rated at 15 A; 250 VAC<br><b>*A2</b> = Hermetically sealed for corrosive environments<br><b>*A3</b> = gold plated contacts for low voltage applications<br><b>*A4</b> = DPDT configuration<br><b>*A5</b> = for high DC ratings<br><b>*A7</b> = 2SPDT switching elements<br><b>*A9</b> = General purpose microswitch rated at 5 A; 250 VAC<br><small>* Please refer note under Range Selection Table</small> | <b>S1</b> = SS316 / ¼" BSP(F)<br><b>S2</b> = SS316 / ¼" NPT(F) | <b>0</b> = Neoprene<br><b>1</b> = Teflon<br><b>2</b> = SS316L |

eg. Flameproof switch for gas group, with ½" NPT cable entry in aluminium housing as 1SPDT pressure switch, fixed differential without scale, having 5 mbar to 25 mbar pressure range, with 15Amp. 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 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| □       | FC      | 1       | P1      | N03     | A1      | S1      | 0       |

Please specify full model number to avoid ambiguity.