# Pressure switch
# Models 021, 023



## Applications

- Power generation
- Waste water management
- Oil and Gas
- Petrochemical industries

## Special features

- Internal Switch point adjustment for critical applications
- Stainless steel case option for corrosive environment
- Switch point repeatability of ±2% of FSR for reliable switching

**Fig. Left: Model 021, GK flameproof enclosure**
**Right: Model 021, GM weatherproof enclosure**

## Description

The model 020 mechanical pressure switch has been designed for control and monitoring applications. The stainless steel case option enables the pressure switch to perform in harsh operating conditions of the process industry.

The switch point repeatability to ±2% enables reliable switching in critical operating conditions.

Low pressure ranges with diaphragm sealed sensor elements enable to meet a variety of applications in oil, gas, power, steel and petrochemical industries.

This wide setting range is often needed for the on/off control mode of cyclic applications.

The switch point can be specified on site, with internal adjustment options. Depending on the application, the appropriate variant for the contact version and the electrical connection can be selected.

## Specifications

| Basic information | |
|---|---|
| **Switch enclosure** | ■ GM style aluminium pressure die cast weatherproof to IP66 with nitrile gasket<br>■ GA style CF8 (304 SS) casting, weatherproof to IP66, fit for off shore<br>■ GA6 style CF8M (316 SS) casting, weatherproof to IP66, fit for off shore<br>■ GK style (Type-1) aluminium pressure die cast, weatherproof and flameproof to group IIC as per IS/IEC 60079-1 |
| **Environment sealing** | ■ GM/GA enclosure: Nitrile & EPDM<br>■ GK enclosure: Neoprene only |

| Wetted parts | |
|---|---|
| **Sensor** | Diaphragm |
| **Measuring element** | ■ Neoprene Diaphragm (standard)<br>■ Nitrile Diaphragm (M047, B025, B024 & B030 these range code available Nitrile diaphragm only)<br>■ EPDM Diaphragm<br>■ Silicon Diaphragm<br>■ 316L SS |
| **Sensor Housing** | ■ Aluminium (Standard)<br>■ 304 SS<br>■ 316 SS |
| **Sealing** | Nitrile & EPDM |

| Ourput signal | |
|---|---|
| **Ranges** | Refer table |
| **Switching differential** | Refer table |
| **Repeatability of the setpoint (note 4)** | ±2% of FSR |
| **Maximum working pressure** | Refer table 1 |
| **Response time** | <1 second |
| **Scale accuracy (note 6)** | ±5% of FSR |
| **Switching contacts with microswitch** | ■ 1 x SPDT (single pole double throw)<br>■ 2 x SPDT (single pole double throw) |
| **Switching function (note 8)** | Instrument quality snap acting microswitch |

| Operating condition | |
|---|---|
| **Permissible ambient temperature (note 14)** | –10°C ... +60°C |
| **Permissible medium temperature (note 13)** | ■ 95°C for Neoprene<br>■ 100°C for 316L SS<br>■ 110°C for Nitrile<br>■ 130°C for EPDM<br>■ 200°C for Silicone |
| **Ingress protection** | IP66 |
| **Process connection** | ■ 1/4" NPT(F) per ASME B1.20.1<br>■ 1/2" NPT(F) per ASME B1.20.1<br>Other connections through adaptor |
| **Electrical connection** | 1/2" NPT(F) per ASME B1.20.1 single entry standard<br>Dual entry on request |
| **Mounting** | ■ On-line<br>■ Wall<br>■ 2" pipe<br>■ Universal |

## Ordering matrix

**Sample model number** □ □ □ □ □ □ □ □ □ □ □

**Switch enclosure**

GM style aluminium pressure die cast weatherproof to IP66 with nitrile gasket — **GM**

GA style CF8 (304 SS) casting, weatherproof to IP66, fit for off shore — **GA**

GA style CF8M (316 SS) casting, weatherproof to IP66, fit for off shore — **GA6**

GK style (Type-1) aluminium pressure die cast, weatherproof and flameproof to group IIC as per IS/IEC 60079-1 — **GK**

**Model**

Pressure switch meant for low/ultra low range spans having very low non-adjustable fixed switching differential. — **021**

Same as 021, but with auxiliary mechanism providing adjustment of switching differential. Refer differential chart. — **023**

**Sensor material**

Neoprene — **N**

Silicone — **S**

EPDM — **E**

Buna-N — **B**

316L SS — **3**

**Wetted part**

Aluminium — **5**

316 SS — **2**

304 SS — **4**

Note : M047, B025, B024 & B030 ranges are available only with Buna-N diaphragm.
For Ammonia service : EPDM diaphragm only.

**Range code**

Refer table-1 — □

**Switch code and rating**

Refer table-6 — □

**Electrical entry code**

Refer table-7 — □

**Process connection**

1/4" NPT(F) per ASME B1.20.1 — **S1**

1/2" NPT(F) per ASME B1.20.1 — **S2**

**Mounting**

On-line — **Z**

Wall — **W**

2" pipe — **2**

Universal — **U**

**Mounting material**

Not applicable — **0**

mild steel — **C**

316 SS — **2**

**For available other options refer table-8**

## Table 1: Range code and availability

| Range code | Range availability in model | | | |
|---|---|---|---|---|
| | Range | 021 | 023 | Maximum working pressure (bar) |
| M011 | 0 ... 2.5 mbar | ✓ | × | 0.5 |
| M036 | 0.5 ... 5 mbar | ✓ | × | 0.5 |
| M037 | 1 ... 10 mbar | ✓ | ✓ | 0.5 |
| M038 | 2.5 ... 15 mbar | ✓ | ✓ | 0.5 |
| M039 | 2.5 ... 25 mbar | ✓ | ✓ | 0.5 |
| M041 | 5 ... 50 mbar | ✓ | ✓ | 0.5 |
| M045 | 7.5 ... 75 mbar | ✓ | ✓ | 0.5 |
| M046 | 10 ... 100 mbar | ✓ | ✓ | 0.5 |
| M047 | 40 ... 400 mbar | ✓ | ✓ | 1 |
| B025 | 0.2 ... 1 bar | ✓ | ✓ | 4 |
| B024 | 0.16 ... 1.6 bar | ✓ | ✓ | 4 |
| B030 | 0.4 to 4 bar | ✓ | ✓ | 7 |
| M008 | –5 to 0 mbar | ✓ | ✓ | 0.5 |
| M007 | –10 to 0 mbar | ✓ | ✓ | 0.5 |
| M004 | –20 to 0 mbar | ✓ | ✓ | 0.5 |
| M003 | –25 to 0 mbar | ✓ | ✓ | 0.5 |
| M001 | –50 to 0 mbar | ✓ | ✓ | 0.5 |
| M049 | –100 to 0 mbar | ✓ | ✓ | 0.5 |
| M009 | –2.5 to +2.5 mbar | ✓ | × | 0.5 |
| M007 | –10 to +10 mbar | ✓ | ✓ | 0.5 |
| M005 | –20 to +20 mbar | ✓ | ✓ | 0.5 |
| M002 | –50 to +50 mbar | ✓ | ✓ | 0.5 |

- For On-off Differential values refer "switcing differential data" table.
- Full vacuum withstandability available for ranges M047, B025, B024, B030 only.
- Chemical seal not available in this model.

## Table 2: Switching differential for Elastomer diaphragm, GM / GA enclosure

| Range code | Range | Unit | Switching differential for contact versions - GM/GA Enclosures | | | |
|---|---|---|---|---|---|---|
| | | | D, 3 | 4 | 5 | W |
| M011 | 0 ... 2.5 | mbar | 0.8 | 0.7 | 0.8 | - |
| M036 | 0.5 ... 5 | mbar | 0.9 | 0.9 | 0.8 | - |
| M037 | 1 ... 10 | mbar | 1.1 | 0.9 | 0.8 | 3 ... 6 |
| M038 | 2.5 ... 15 | mbar | 1.2 | 1.0 | 0.9 | 4 ... 9 |
| M039 | 2.5 ... 25 | mbar | 1.2 | 1.2 | 1 | 5 ...15 |
| M041 | 5 ... 50 | mbar | 1.5 | 1.3 | 1.6 | 6 ...30 |
| M045 | 7.5 ... 75 | mbar | 1.8 | 1.4 | 1.8 | 7 ...45 |
| M046 | 10 ... 100 | mbar | 2.0 | 1.5 | 2 | 8 ... 60 |
| M047 | 40 ... 400 | mbar | 20 | 18 | 15 | 40 ... 240 |
| B025 | 0.2 ... 1 | bar | 0.025 | 0.025 | 0.05 | 0.15 ... 0.600 |
| B024 | 0.16 ... 1.6 | bar | 0.035 | 0.035 | 0.05 | 0.20 ... 0.960 |
| B030 | 0.4 ... 4 | bar | 0.10 | 0.10 | 0.075 | 0.5 ... 2.400 |
| M008 | –5 ... 0 | mbar | 1.2 | 0.7 | 1.2 | - |
| M007 | –10 ... 0 | mbar | 1.4 | 1 | 1.5 | 3.5 ... 6 |
| M004 | –20 ... 0 | mbar | 1.5 | 1.2 | 2.3 | 4 ... 12 |
| M003 | –25 ... 0 | mbar | 1.5 | 1.6 | 2.5 | 5 ... 15 |
| M001 | –50 ... 0 | mbar | 2 | 2.2 | 3 | 7 ... 30 |
| M049 | –100 ... 0 | mbar | 2.5 | 2.8 | 3.5 | 10 ... 50 |
| M009 | –2.5 ... +2.5 | mbar | -1.0 / +0.8 | -1.0 / +0.8 | -1.0 / +0.8 | - |
| M007 | –10 ... +10 | mbar | -1.3 / +1.0 | -1.3 / +1.2 | -1.5 / +1.0 | 4.0 ... 10 |
| M005 | –20 ... +20 | mbar | -1.5 / +1.2 | -1.7 / +1.2 | -2 / +1.5 | 8.0 ... 20 |
| M002 | –50 ... +50 | mbar | -2 / +1.4 | -2.2 / +1.3 | -3 / +1.5 | 10.0 ... 50 |

Notes :
1. For on-off differential values with switch codes ‘9’ & ‘G’ consult sales.
2. To arrive at differentials for DPDT switching, apply multiplication factor of 1.3 to the above values.

## Table 3: Switching differential for Elastomer diaphragm, GK enclosure

| Range code | Range | Unit | Switching differential for contact versions - GK Enclosure | | | |
|---|---|---|---|---|---|---|
| | | | D, 3 | 4 | 5 | W |
| M011 | 0 ... 2.5 | mbar | 0.9 | 1.1 | 1.1 | - |
| M036 | 0.5 ... 5 | mbar | 1.1 | 1.4 | 1.6 | - |
| M037 | 1 ... 10 | mbar | 1.1 | 1.4 | 1.6 | 3.5 ... 6 |
| M038 | 2.5 ... 15 | mbar | 1.3 | 1.6 | 2.1 | 4.5 ... 9 |
| M039 | 2.5 ... 25 | mbar | 1.4 | 1.8 | 2.3 | 5 ... 15 |
| M041 | 5 ... 50 | mbar | 2 | 2.3 | 2.9 | 7 ... 30 |
| M045 | 7.5 ... 75 | mbar | 2.3 | 2.5 | 3.2 | 8 ... 45 |
| M046 | 10 ... 100 | mbar | 2.7 | 2.7 | 3.6 | 9 ... 60 |
| M047 | 40 ... 400 | mbar | 22 | 20 | 27 | 0.25 ... 240 |
| B025 | 0.2 ... 1 | bar | 0.045 | 0.045 | 0.09 | 0.20 ... 0.60 |
| B024 | 0.16 ... 1.6 | bar | 0.063 | 0.063 | 0.09 | 0.25 ... 0.96 |
| B030 | 0.4 ... 4 | bar | 0.12 | 0.12 | 0.135 | 0.50 ... 2.40 |
| M008 | –5 ... 0 | mbar | 1.4 | 1.3 | 2 | - |
| M007 | –10 ... 0 | mbar | 1.6 | 1.8 | 2.7 | - |
| M004 | –20 ... 0 | mbar | 2 | 2.1 | 4.1 | 5 ... 12 |
| M003 | –25 ... 0 | mbar | 2.7 | 2.9 | 4.5 | 6 ... 15 |
| M001 | –50 ... 0 | mbar | 3.6 | 3.9 | 5.4 | 8 ... 30 |
| M049 | –100 ... 0 | mbar | 4.5 | 5 | 6.3 | 10 ... 50 |
| M009 | –2.5 ... +2.5 | mbar | -1.4 / +1.0 | -1.6 / +1.2 | -1.8 / +1.1 | - |
| M007 | –10 ... +10 | mbar | -2 / +1.6 | -2.3 / +1.4 | -2.7 / +1.4 | 4.5 ... 10 |
| M005 | –20 ... +20 | mbar | -2.7 / +2.0 | -3 / +2.2 | -3.6 / +1.8 | 9 ... 10 |
| M002 | –50 ... +50 | mbar | -3.6 / +2.5 | -3.9 / +3.0 | -5.4 / +2.7 | 10 ... 50 |

Notes :
1. For on-off differential values with switch codes ‘9’ & ‘G’ consult sales.
2. To arrive at differentials for DPDT switching, apply multiplication factor of 1.3 to the above values.

## Table 4: Switching differential for SS diaphragm, GM / GA enclosure

| Range code | Range | Unit | Switching differential for contact versions - GM/GA Enclosures | | | |
|---|---|---|---|---|---|---|
| | | | D, 3 | 4 | 5 | W |
| M011 | 0 ... 2.5 | mbar | 1.0 | 0.9 | 1.0 | - |
| M036 | 0.5 ... 5 | mbar | 1.0 | 1 | 1 | - |
| M037 | 1 ... 10 | mbar | 1.2 | 1 | 1 | - |
| M038 | 2.5 ... 15 | mbar | 1.3 | 1.1 | 1.1 | 4.5 ... 9 |
| M039 | 2.5 ... 25 | mbar | 1.3 | 1.2 | 1.2 | 6 ... 15 |
| M041 | 5 ... 50 | mbar | 1.6 | 1.9 | 1.9 | 7 ... 30 |
| M045 | 7.5 ... 75 | mbar | 1.9 | 2.2 | 2.2 | 8 ... 45 |
| M046 | 10 ... 100 | mbar | 2.2 | 2.4 | 2.4 | 10 ... 60 |
| M008 | –5 ... 0 | mbar | 1.4 | 1.2 | 1.3 | - |
| M007 | –10 ... 0 | mbar | 1.5 | 1.4 | 1.8 | - |
| M004 | –20 ... 0 | mbar | 1.8 | 1.4 | 2.8 | 5 ... 12 |
| M003 | –25 ... 0 | mbar | 1.8 | 1.9 | 3 | 6 ... 15 |
| M001 | –50 ... 0 | mbar | 2.4 | 2.6 | 3.6 | 8.3 ... 30 |
| M049 | –100 ... 0 | mbar | 3 | 3.4 | 4.2 | 11.3 ... 50 |
| M009 | –2.5 ... +2.5 | mbar | -1.2 / +1.0 | -1.1 / +0.9 | -1.2 / +1.0 | - |
| M007 | –10 ... +10 | mbar | -1.8 / +1.2 | -1.8 / +1.2 | -1.8 / +1.3 | 4.8 ... 10 |
| M005 | –20 ... +20 | mbar | -2.0 / +1.4 | -2 / +1.2 | -2.8 / +1.6 | 9 ... 20 |
| M002 | –50 ... +50 | mbar | -2.5 / +1.6 | -2.6 / +1.6 | -3.6 / +1.8 | 11 ... 50 |

Notes :
1. For on-off differential values with switch codes ‘9’ & ‘G’ consult sales.
2. To arrive at differentials for DPDT switching, apply multiplication factor of 1.3 to the above values.

## Table 5: Switching differential for SS diaphragm, GK enclosure

| Range code | Range | Unit | Switching differential for contact versions - GK Enclosures | | | |
|---|---|---|---|---|---|---|
| | | | D, 3 | 4 | 5 | W |
| M011 | 0 ... 2.5 | mbar | 1.2 | 1.22 | 1.22 | - |
| M036 | 0.5 ... 5 | mbar | 1.22 | 1.56 | 1.76 | - |
| M037 | 1 ... 10 | mbar | 1.22 | 1.56 | 1.76 | - |
| M038 | 2.5 ... 15 | mbar | 1.44 | 1.78 | 2.28 | 4.86 ... 9 |
| M039 | 2.5 ... 25 | mbar | 2.22 | 2 | 2.5 | 7 ... 15 |
| M041 | 5 ... 50 | mbar | 2.26 | 2.56 | 3.22 | 8 ... 30 |
| M045 | 7.5 ... 75 | mbar | 2.56 | 2.78 | 3.56 | 9 ... 45 |
| M046 | 10 ... 100 | mbar | 3 | 3 | 4 | 12 ... 60 |
| M008 | –5 ... 0 | mbar | 1.6 | 1.4 | 2.2 | - |
| M007 | –10 ... 0 | mbar | 1.8 | 2 | 3 | - |
| M004 | –20 ... 0 | mbar | 2.2 | 2.3 | 4.6 | 6 ... 12 |
| M003 | –25 ... 0 | mbar | 3 | 3.2 | 5 | 7 ... 15 |
| M001 | –50 ... 0 | mbar | 4 | 4.3 | 6 | 9 ... 30 |
| M049 | –100 ... 0 | mbar | 5 | 5.6 | 7 | 12 ... 50 |
| M009 | –2.5 ... +2.5 | mbar | -1.6 / +1.2 | -1.8 / +1 | -2 / +1.2 | - |
| M007 | –10 ... +10 | mbar | -2.2 / +1.6 | -2.6 / +1.6 | -3 / +1.6 | 5.5 ... 10 |
| M005 | –20 ... +20 | mbar | -3 / +2.3 | -3.3 / +2 | -4 / +2.8 | 10 ... 20 |
| M002 | –50 ... +50 | mbar | -4 / +2.5 | -4.3 / +2.6 | -6 / +3 | 15 ... 50 |

Notes :
1. For on-off differential values with switch codes ‘9’ & ‘G’ consult sales.
2. To arrive at differentials for DPDT switching, apply multiplication factor of 1.4 to the above values.

## Table 6: Switch code, rating and availability (note 9)

| Switch code | | Contact version | AC rating | DC rating in Ampere | | | | | | Availability in models | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Resistive | | | Inductive | | | | |
| SPDT | DPDT | | | 250V | 125V | 30V | 250V | 125V | 30V | SPDT | DPDT |
| D | DD | General purpose | 15A 250 / 125V | 0.2 | 0.4 | 2.0 | 0.02 | 0.03 | 1.0 | 021 | 021 |
| 3 | 33 | General purpose | 15A 250 / 125V | - | - | - | - | - | - | 021 | 021 |
| W | WW | General purpose | 15A 250 / 125V | 0.30 | 0.60 | 10.0 | 0.30 | 0.60 | 10.0 | 023 | 023 |
| 4 | 44 | With Gold alloy contact. | 1A 125V | - | 0.5 | 0.5 | - | 0.25 | 0.25 | 021 | 021 |
| 5 | 55 | General purpose with good DC rating. | 5A 250 / 125V | 0.2 | 0.4 | 4.0 | 0.2 | 0.4 | 3.0 | 021 | 021 |
| 9 | 99 | Hermetically sealed, inert gas filled with Silver alloy contact. | 1A 115V 400 Hz. | - | - | 3.0 ✶ | - | - | 1.0 ✶ | 021 | 021 |
| G | GG | Hermetically sealed, inert gas filled with Gold plated contact. | - | - | - | 1.0 ✶ | - | - | 0.25 ✶ | 021 | 021 |

Note : ✶ For Codes 9, 99, G, GG; DC Rating of Resitive and Inductive is 28V

## Table 7: Electrical entry

| Size ✶ | Single entry | | Dual entry | |
|---|---|---|---|---|
| | GM / GA | GK | GM / GA | GK |
| 1/2" NPT(F) per ASME B1.20.1 | A | A | N | N |
| 3/4" NPT(F) per ASME B1.20.1 through adaptor | L | - | O | - |
| M20 × 1.5 per ISO 724 ✶✶ | E | E | EB | EB |
| 7 pin plug through connector | C | - | - | - |
| 9 pin plug through connector | D | - | - | - |

✶ Cable gland available on request

✶✶ Possible in GK enclosure as direct. Others through adaptor.

## Table 8: Options

| Details | Model | |
|---|---|---|
| | 021 | 023 |
| Ammonia service (available only with E4 and E2 wetted parts | ✓ | ✓ |
| Nuclear grade cleaning | ✓ | ✓ |
| Full Vacuum withstandability | ✓ | ✓ |
| Optional scale accuracy ±2% | ✓ | ✓ |
| CE conformity | ✓ | ✓ |
| Blow out disc | ✓ | ✓ |

## Notes

1. Gr.IIC of IS/IEC 60079–1 is equivalent to NEC CL.1, DIV.1, Gr.A & B.

2. Style GM/GA is weatherproof only if all entries and joint faces are properly sealed. Style GK is weatherproof only if cover 'O' ring is retained in position and flameproof only if proper FLP cable gland is used. It is recommended to procure cable glands along with GK instruments to avoid neglect of it while installation.

3. Intrinsic Safety (Exi) — Pressure switches are classified as simple apparatus as they neither generate nor store energy. Hence pressure switches in weatherproof (GM / GA) enclosures also may be used in intrinsically safe systems without certification provided the power source is certified IS. Because of the low voltages and currents it is recommended to use gold contact and / or sealed contacts.

4. Accuracy & Repeatability are not different for all blind pressure switches. A shift of ±2% may be observed in setpoint when pressure falls from full static pressure. Settings will also shift with varying temperature.

5. The instrument is calibrated in the mounting position depicted in the drawing. Mounting in any other direction will cause a minor range shift, especially in low and compound ranges. Ranges above 1 bar will not experience this shift.

6. A pressure switch is a switching device and not a measuring instrument — eventhough it has a scale to assist setting. For this reason, Test Certificates will not contain individual ON-OFF switching values at different scale readings. Maximum differential obtained alone will be declared, besides other specifications.

7. Select working range of the instrument such that the set value lies in the mid 35% of the range i.e., between 35% and 70% of range span.

8. For switching differential values please ask for Differential table. Switching differentials furnished are nominal values under test conditions at mid-scale and will vary with range settings and operating conditions.

9. On and off settings should not exceed the upper or lower range value.

10. DPDT action is achieved by two SPDT switches synchronised to practical limits i.e., ±2% of FSR. (Synchronisation is applicable at Setpoint only. Not applicable at Reset points.) Deadband for DPDT contacts are higher than that of SPDT as force required to actuate the contacts are more. Please refer respective range table for exact values.

11. Contact life of microswitches are $5 \times 10^5$ switching cycles for nominal load. To quench DC sparks, use diode in parallel with inductance, ensuring polarity. A 'R–C' network is also recommended with 'R' value in Ohms equal to coil resistance and 'C' value in micro Farads equal to holding current in Amps.

12. Ambient temperature range: All models are suitable for operating within a range of ambient temperature from (-) 10°C to (+) 60°C provided the process does not freeze within this range. Below 0°C, precautions should be taken in humid atmospheres to prevent frost formation inside the instrument from jamming the mechanism. Occasional excursions beyond this range are possible but accuracy might be impaired. The microswitch is the limiting factor which should never exceed the limits (–) 25°C to (+) 80°C.

13. Fluid Temperature: A pressure switch when connected to the process is not subjected to through flow and therefore is not fully exposed to the fluid temperature. Use of adequate length of impulse piping will greatly reduce excessive heating of the sensing element. For e.g., connection of 7.5 cm of 12 mm dia impulse piping will reduce water temperature of 100°C to 65°C at an ambient temperature of 50°C. Ask factory for piping nomogram for different temperatures.

14. Ensure that impulse pipework applies no stress on sensing element housing and use spanners to hold pressure port / housing when connections are made.

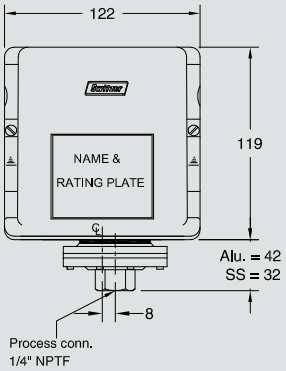
15. Custom built instruments are available for special service requirements under Special Engineering Category.

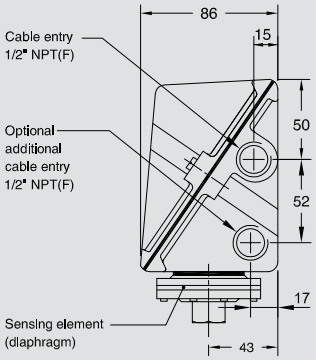
16. Accuracy figures are exclusive of test equipment tolerance on the claimed values.

# Dimensions in mm

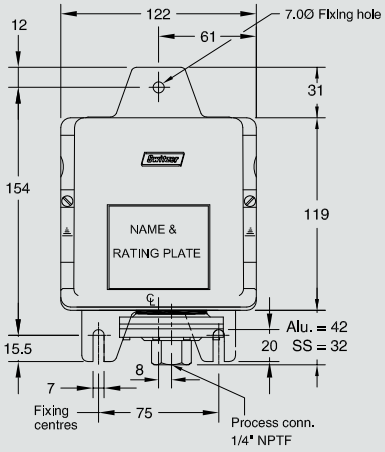
## Model 021 / 023 in GM – High range

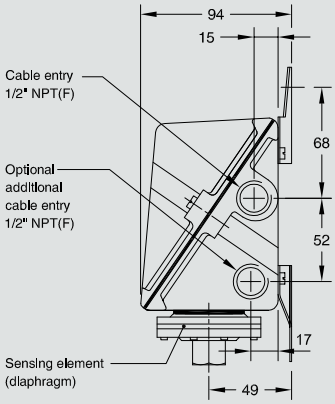
### On-line mounting



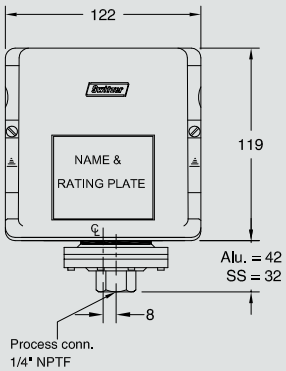



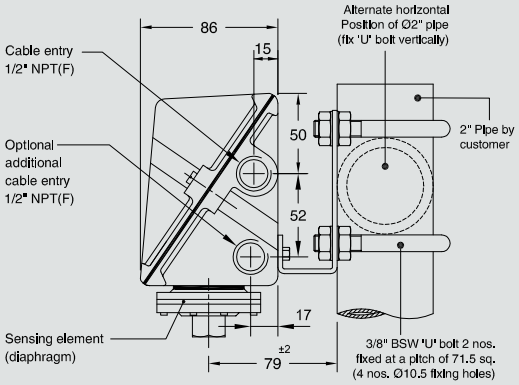

### Wall mounting




### 2" pipe mounting

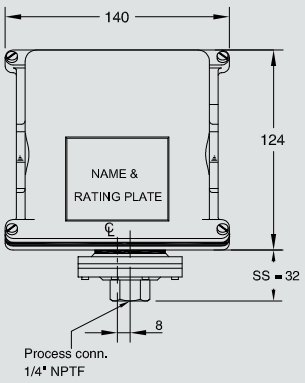


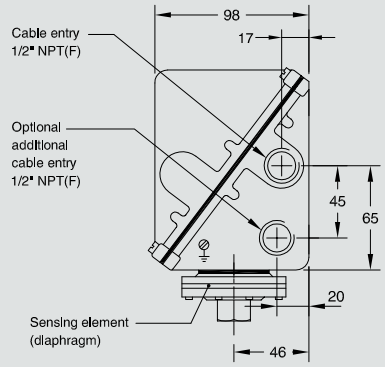



# Dimensions in mm

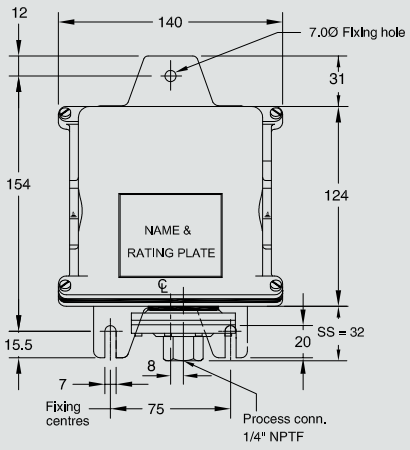
## Model 021 / 023 in GA – High range

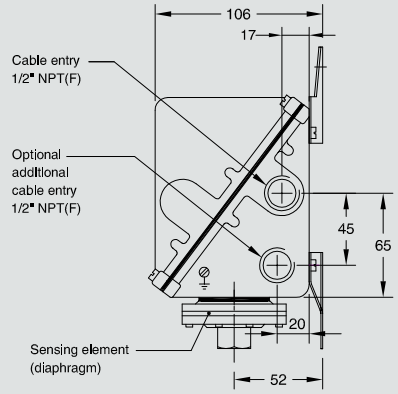
### On-line mounting



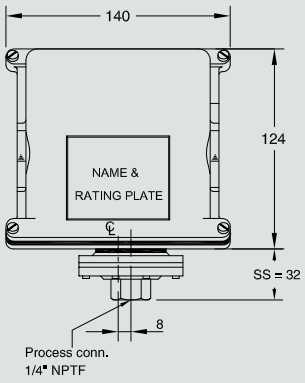



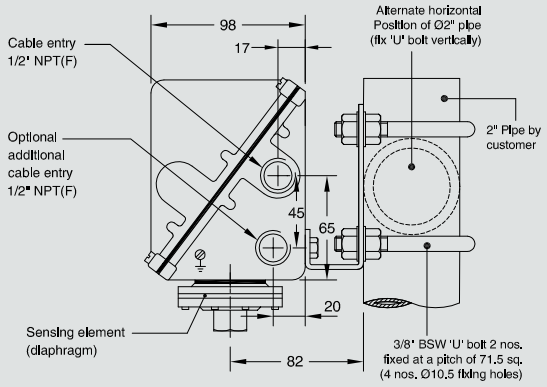

### Wall mounting




### 2" pipe mounting

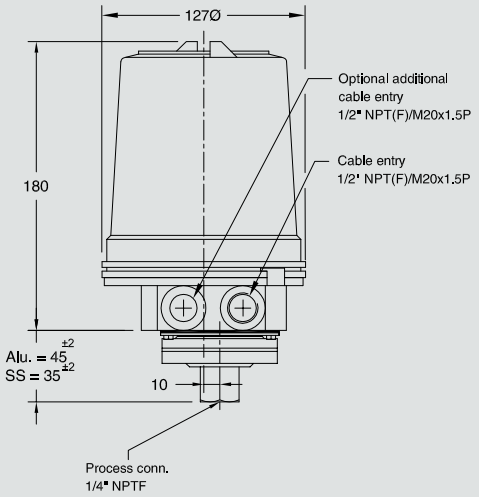


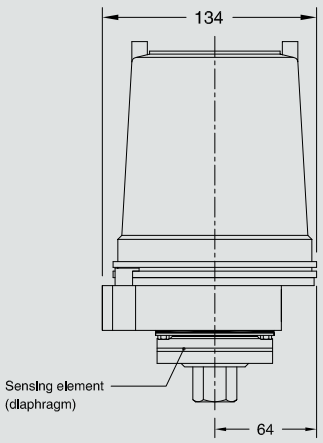



# Dimensions in mm

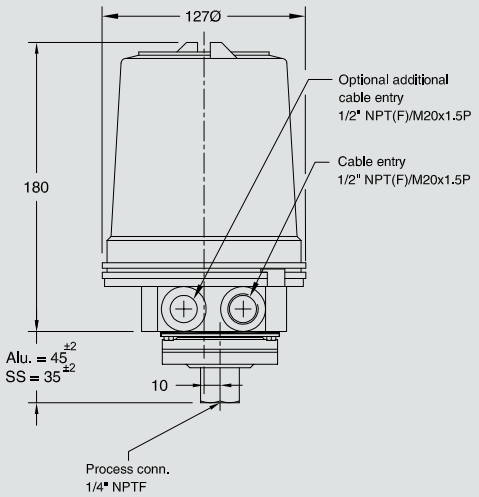
## Model 021 / 023 in GK – High range

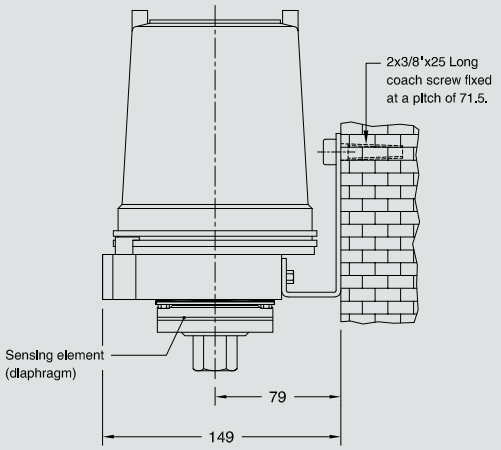
### On-line mounting



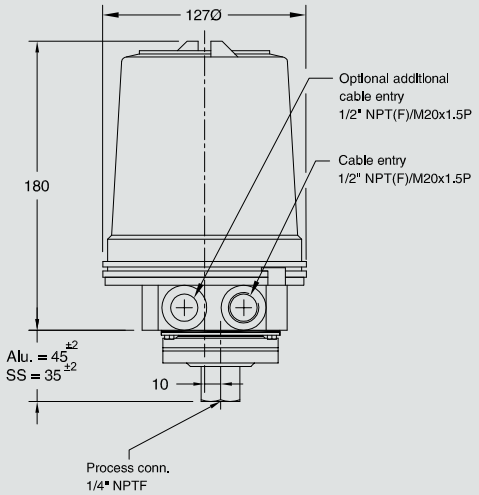



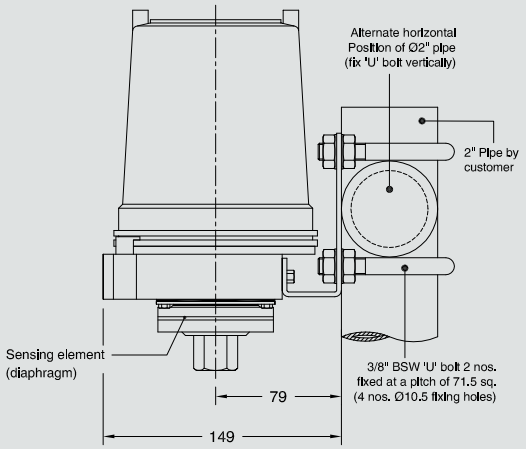

### Wall mounting




### 2" pipe mounting

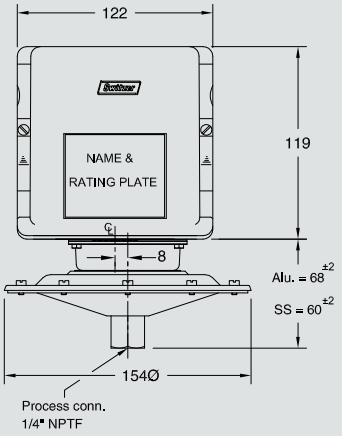


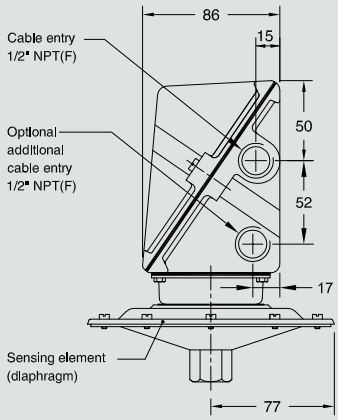



# Dimensions in mm

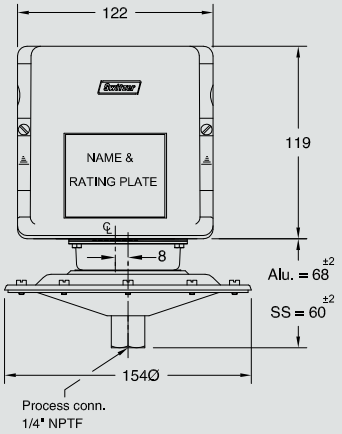
## Model 021 / 023 in GM – Low range

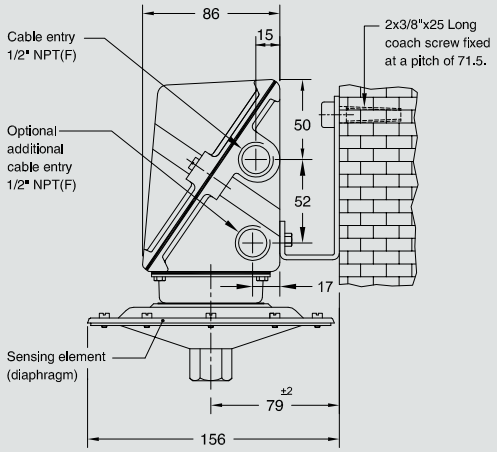
### On-line mounting



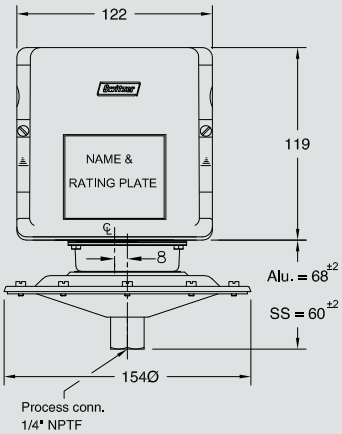



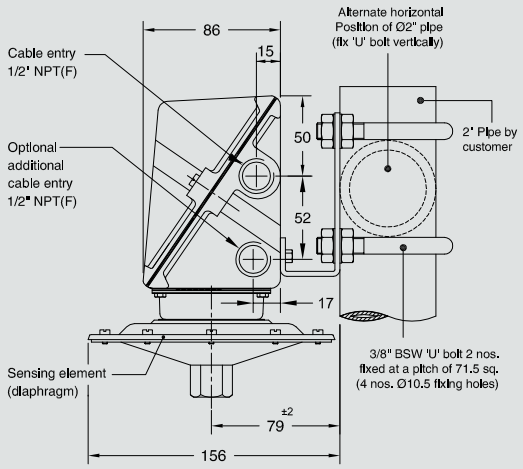

### Wall mounting




### 2" pipe mounting

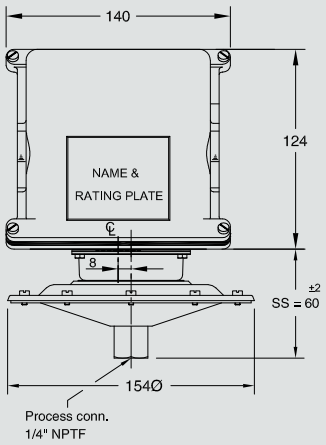


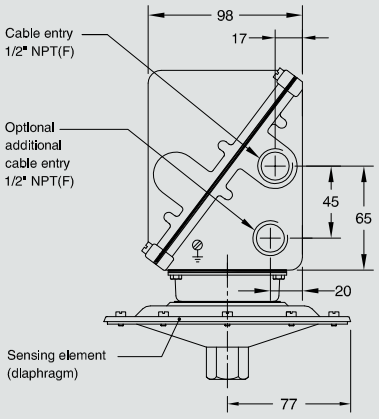



# Dimensions in mm

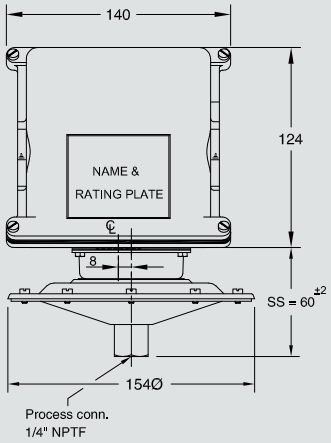
## Model 021 / 023 in GA – Low range

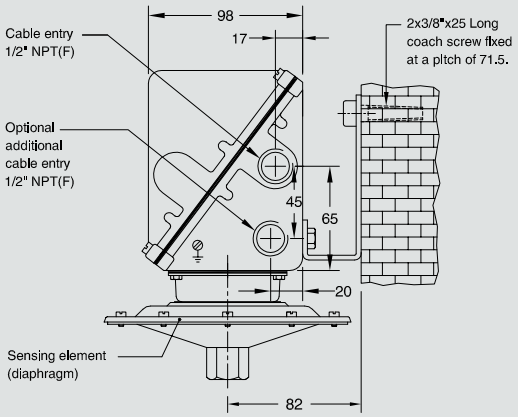
### On-line mounting



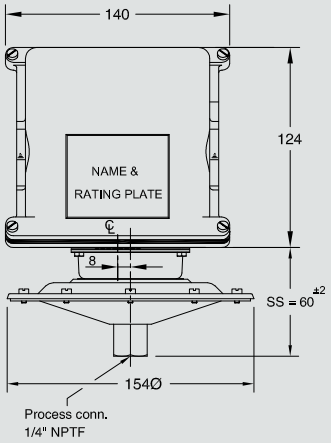



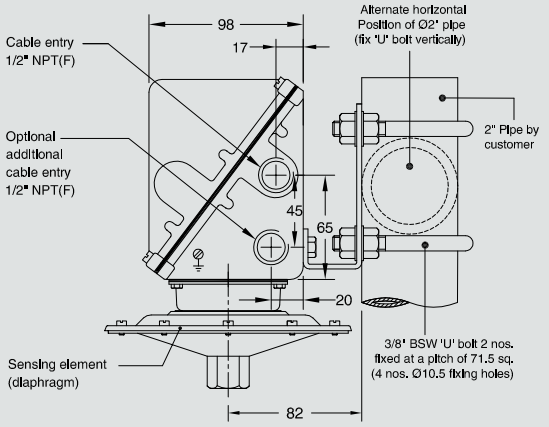

### Wall mounting




### 2" pipe mounting

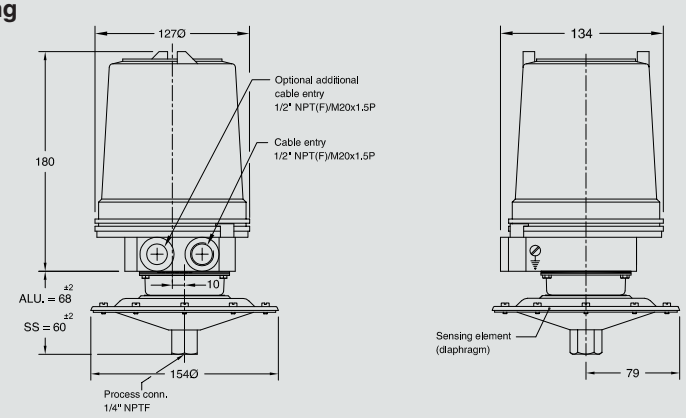


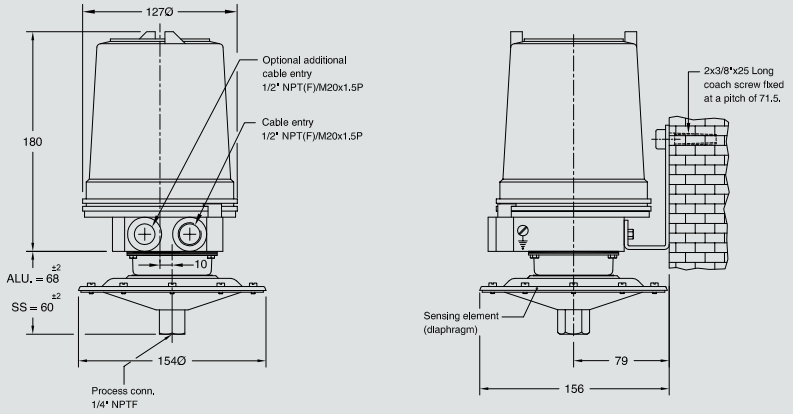
# Dimensions in mm

## Model 021 / 023 in GK – Low range

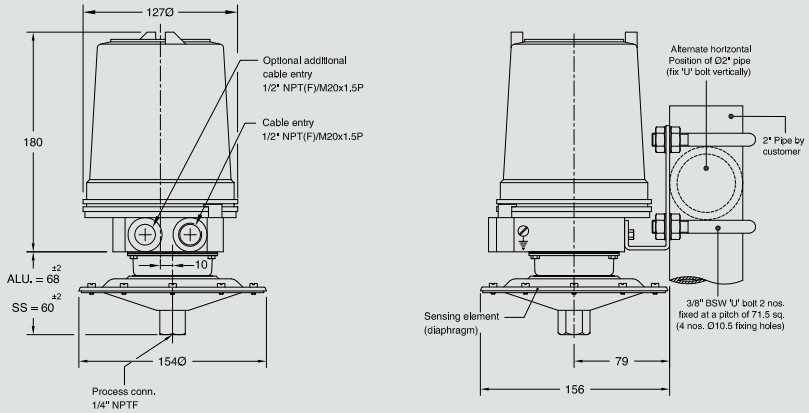
### On-line mounting




### Wall mounting




### 2" pipe mounting




### Ordering information

Switch enclosure / Model / Sensor material / Wetted part / Range code / Switch code and rating / Electrical entry code / Process connection / Mounting / Mounting material





**WIKA Instruments India Pvt. Ltd.**
128 SIDCO North Phase
Ambattur Industrial Estate, Chennai 600 098
Tel. +91 44 2625 2017 / 2018 / 9840919318
switch.sales@wika.com
www.wika.co.in