

LIQUID DIFFERENTIAL PRESSURE SWITCHES

EP..

These units can be used to monitor the flow of liquids across pumps, boilers, chillers, valves etc. They can also be used to monitor dirty filter conditions. Suitable for water, air, oil, diesel and up to 30% glycol etc. Type EP-099/100/101 are suitable for low pressure applications ie below 0.4 bar.



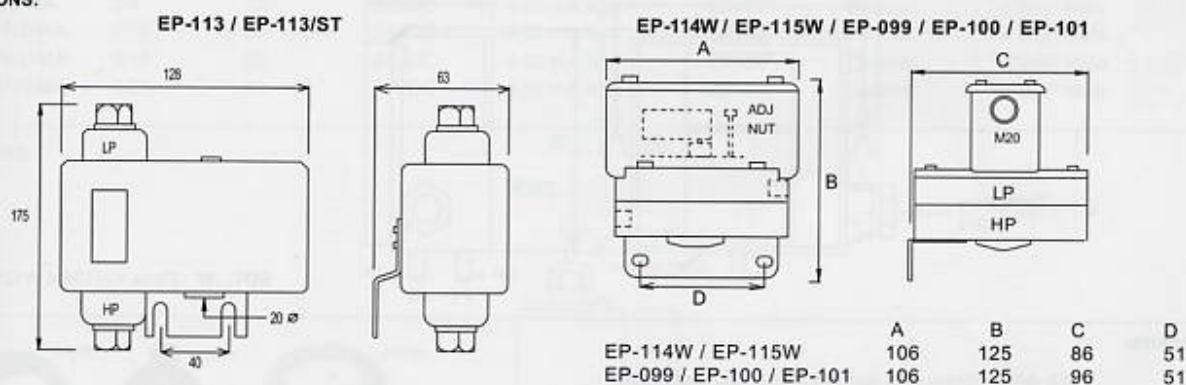
Max. media temp. 80°C
The Pressure line can be formed into a U shape /syphon for high media temperatures of up to 300°C.
If the low pressure port is left open, these switches can then be used as normal standard pressure switches.
Volt free contacts
Max. ambient 70°C
Enclosure Flammability = UL94-V1

| Type | Range | Diff | Max Press. Bar | 230VAC SPDT | Media Contact Materials | Pressure Connections | Enclosure |
|-----------|-------------|----------|----------------|-------------|--------------------------|----------------------|-----------|
| EP-113 | 0.2/4 bar | 0.1 bar | 12 | 5(2)A | Brass/Phosphor Bronze | 1/4" BSP Female | IP40 |
| EP-113/ST | 0.2/4 bar | 0.1 bar | 12 | 5(2)A | Stainless Steel | 1/4" BSP Male | IP40 |
| EP-114W | 0.07/1 bar | 0.05 bar | 10 | 5(3)A | Copper / Nitrile / Brass | 1/4" BSP Female | IP65 |
| EP-115W | 0.2/4 bar | 0.1 bar | 16 | 5(3)A | Copper / Nitrile / Brass | 1/4" BSP Female | IP65 |
| EP-099 | 8/125 mbar | 6 mbar | 6 | 5(3)A | Copper / Nitrile / Brass | 1/8" BSP Female | IP65 |
| EP-100 | 10/300 mbar | 7 mbar | 6 | 5(3)A | Copper / Nitrile / Brass | 1/8" BSP Female | IP65 |
| EP-101 | 25/400 mbar | 10 mbar | 6 | 5(3)A | Copper / Nitrile / Brass | 1/8" BSP Female | IP65 |

SELECT A SWITCH WHICH CAN BE SET WELL BELOW THE SYSTEM DIFFERENTIAL PRESSURE.

For flow failure applications it is important to have a close switching differential as in our EP.. range. Switches with a larger differential are generally unsuitable for this application.

DIMENSIONS:



Mounting at any angle is possible.

HP = High Pressure bottom port

LP = Low Pressure top port

ACCESSORIES:

- EE-CT6** Copper tube 6mm OD x 10m for Pressure Switches and Transmitters
EE-MC1 Brass Male Compression fitting for 6mm OD tube x 1/8" BSP Male
EE-MC2 Brass Male Compression fitting for 6mm OD tube x 1/4" BSP Male

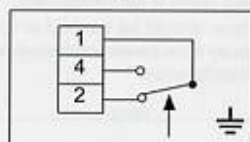
EE-CT6

EE-MC



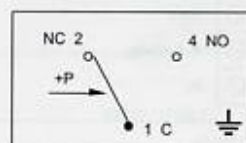
WIRING:

EP-113..



On pressure rise to scale setting (range) contacts 1-4 close
 Pressure fall (diff) contacts 1-2 close

EP-114W / EP-115W / EP-099 / EP-100 / EP-101



On pressure rise to scale setting (range) contacts 1-4 close
 Pressure fall (diff) contacts 1-2 close

ADJUSTMENT:

- EP-113..** Remove cover & with a screwdriver, turn the slotted wheel above the scale to the left to increase the setting.
OTHER MODELS: The adjusting nut is under the cover - Turn it slowly anti-clockwise to increase setting. Do NOT over-adjust.