

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 /siphon 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

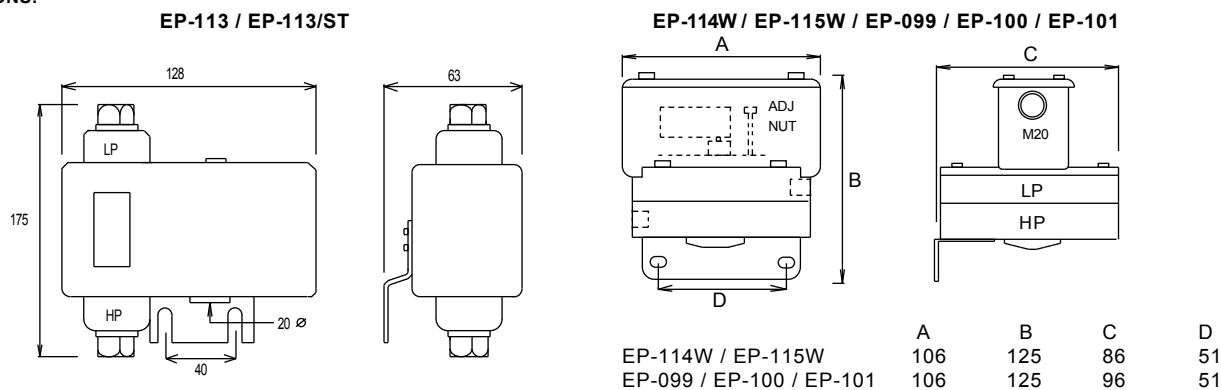
Type	Range	Diff	Max Press. Bar	230VAC SPDT	Media Contact Materials	Pressure Connections	Enclosure
EP-113	0.2/4 bar	0.1 bar	12	5(2)A	Brass/Phosphor Bronze	1/4" BSP Female	IP40
EP-113/ST	0.2/4 bar	0.1 bar	12	5(2)A	Stainless Steel	1/4" BSP Male	IP40
EP-114W	0.07/1 bar	0.05 bar	10	5(3)A	Copper / Nitrile / 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

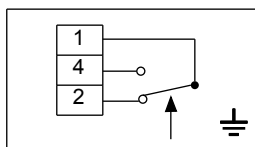
EE-MC1 Brass Male Compression fitting for 6mm OD tube x 1/8" BSP Male

EE-MC2 Brass Male Compression fitting for 6mm OD tube x 1/4" BSP Male



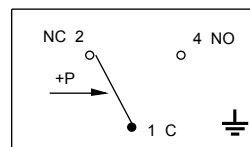
WIRING:

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.