

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.



EP-113 EP-100

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

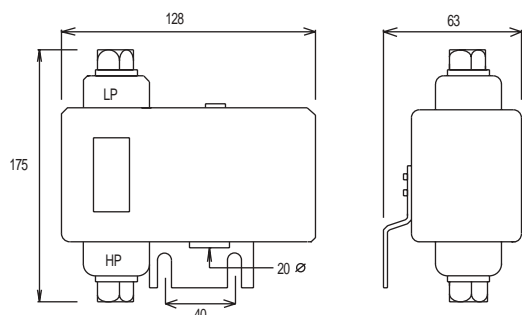
Type	Range	Diff	Max Press. Bar	230VAC SPDT	Media Contact Materials	Pressure Connections	Enclosure
EP-113	0.2/4 bar	0.1 bar	23	5(2)A	Brass/Phosphor Bronze	1/4" BSP Female	IP40
EP-113/ST	0.2/4 bar	0.1 bar	23	5(2)A	Stainless Steel	1/4" BSP Male	IP40
EP-114W	0.07/1 bar	0.05 bar	10	5(3)A	Copper / Nitrile / 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.

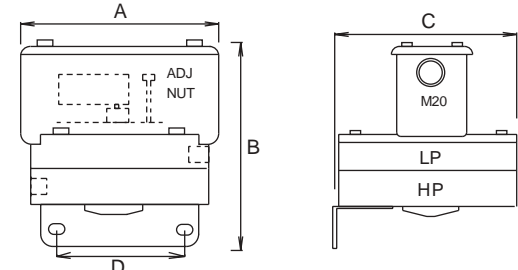
For flow failure applications it is important to have a close switching differential as in our EP.. range. Switches with a larger differential are generally unsuitable for this application.

DIMENSIONS:

EP-113 / EP-113/ST



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



	A	B	C	D
EP-114W / EP-115W	106	125	86	51
EP-099 / EP-100 / EP-101	106	125	96	51

Mounting at any angle is possible. HP = High Pressure bottom port LP = Low Pressure top port

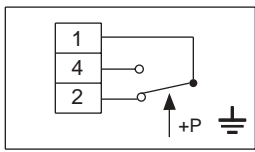
ACCESSORIES:

- 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



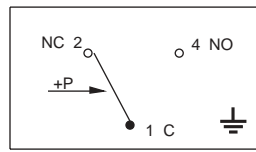
WIRING:

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.

CAUTION:

These products may be connected to 230VAC supply. Device should be checked by a qualified technician before applying any voltage. Isolate device from electrical supply before removing cover. Observe all relevant safety precautions, wiring/earthing regulations and electrical ratings. Observe design limits of temperatures and pressures. Ensure electrical entry hole is completely sealed for all IP65/weatherproof models. Always ensure the device operates correctly. If failure of the device can cause damage a safety backup control should be fitted. All data is for guidance purposes only, subject to change without prior notice and not guaranteed to be absolutely correct unless confirmed by us in writing.