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Fuel Flow Switch ELF series

This Fuel Flow Switch ELF series of liquid flow switches are used to signal and control liquid flow in pipelines controlling pumps, compressors, chillers, boilers, valves and other units, these are used to monitor pump operation or switch alarms in the event of flow failure. They are suitable for use with hot water, chilled water, diesel oil and up to 30% glycol systems.

The fuel flow switch switches are equipped with a metal paddle (1", 2" and 3" paddles are provided) this is immersed in the fluid. When the flow rate reaches the threshold level, the paddle operates a switch by means of a lever mechanism. The switch point can be adjusted (betweena minimum and a maximum) by turning the setting screw. Flow switches are used as protection devices in all applications where fluid needs to flow round a circuit to ensure that the installed devices work properly and are protected against damage.

Features

- Concealed adjustment
- Switch SPDT
- Switch current: 15A @ 230 V AC
- Volt-free contacts
- Maximum ambient temperature 70°C
- Media temperature +4/110°C
- Enclosure flammability UL94-V0
- Sensitive operation
- Suitable for pipe diameter 1 – 8

Part Number	Media Temp	Sensitivity	Media Contact Materials	Connection	Suitable for Pipe Dia	Ingress Protection
ELF-1C	+4 to 110°C	Normal	Phosphor Bronze, Stainless Steel, Brass	1" BSPT	1" to 8"	IP65
ELF-3	+4 to 110°C	Sensitive	Phosphor Bronze, Stainless Steel, Brass	1" BSPT	1" to 8"	IP54
ELF-4	+4 to 110°C	Aggressive	Stainless Steel	1" BSPT	1" to 8"	IP55
ELF-5	+4 to 110°C	Sensitive	Stainless Steel	1" BSPT	1" to 8"	IP56
ELF-3W	+4 to 110°C	Sensitive	Phosphor Bronze, Stainless Steel, Brass	1" BSPT	1" to 8"	IP65
ELF-4W	+4 to 110°C	Aggressive	Stainless Steel	1" BSPT	1" to 8"	IP65
ELF-5W	+4 to 110°C	Sensitive	Stainless Steel	1" BSPT	1" to 8"	IP65
ELF-7	+4 to 110°C	Normal	Phosphor Bronze, Stainless Steel, Brass	3/4"	3/4"	IP54

To be installed by suitably trained and qualified personnel. Any legal regulations or regulations issued by authorities must be observed during installation.