

LIQUID LEVEL SWITCHES FOR INDUSTRIAL APPLICATIONS

TE Connectivity provides reed switch reliability in numerous standard and custom configurations for liquid level switch applications. Our liquid level switches can be arranged to have normally closed or normally open switch indication with the rise or fall of liquid. Switch orientation options include horizontal and vertical (top or bottom entry), depending upon the configuration chosen. All of our housings have at least IP65 enclosure rating and both external and internal fit sensors are available.

DESIGN QUESTIONS?

- What is the switch orientation?
Example: Horizontal, from the top, from the bottom?
- Should the switch open or close when the desired level is reached?
- Are you sensing a level “full” or a level “empty” condition?
- What is your liquid media?
Example; oil, water, etc.
- What is your desired process connection?
- What are the process temperatures?
- What is the max pressure?
- What is the desired float material?

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LIQUID LEVEL SWITCHES




LCS, LD, LS Series

Product	Mounting	Housing Material	Thread	Fitting	Operating Temperature	Max Pressure	Switching	Cable Type	Typical Applications
 LCS-03	Horizontal	Acetal/ Polypropylene	Push fit	External	-30 to +60°C	.34 Bar	SPST 48VDC/AC 1 Amp 40 Watts	Integral Connector	Water, fuel, organic solvents
 LDS309-11N	Horizontal	Glass Filled Nylon 6.6	M16	Internal	-30 to +130°C	4.7 Bar	SPST 200VDC, 250 VAC, 1Amp 70 Watts	Stripped cables 2 x 0.5M single insulated	Chemicals, alcohols, oils, diesel fuel
 LS309-32	Horizontal	Glass Filled Nylon 6.6	1/2" NPT	External	-30 to +130°C	4.7 Bar	SPST Max 100VDC, 250 VRMS, 1AM, 70Watt	2.0 m sing insulated PVC	Fuel, oils
 LS309-52	Horizontal	Glass Filled Nylon 6.6	Universal fitting kit with English fitting instructions	External/Internal	-30 to +130°C	4.7 Bar	SPST Max 100VDC, 250 VRMS, 1AM, 70Watt	2.0 m sing insulated PVC	Fuel, oils
 LS509-52	Horizontal	WRAS Approved Glass Filled Polyphenylene Sulfide	Universal fitting kit with English fitting instructions	External/Internal	-30 to +130°C	4.7 Bar	SPST Max 100VDC, 250 VRMS, 1AM, 70Watt	2.0 m sing insulated PVC	High temperature water, fuel, oils
 LS809-32	Horizontal	Glass Filled Polypropylene	1/2" NPT	External	-30 to +130°C	4.7 Bar	SPST Max 100VDC, 250 VRMS, 1AM, 70Watt	2.0 m sing insulated PVC	Water
 LS809-52	Horizontal	Glass Filled Polypropylene	Universal fitting kit with English fitting instructions	External/Internal	-30 to +130°C	4.7 Bar	SPST Max 100VDC, 250 VRMS, 1AM, 70Watt	2.0 m sing insulated PVC	Water

VCS, VS Series

Product	Mounting	Housing Material	Thread	Fitting	Operating Temperature	Max Pressure	Switching	Cable Type	Typical Applications
 VCS-01	Bottom Entry, Top Entry	Polypropylene	1/8 NPT Internal	Internal	-30 to +80°C	1.3 Bar	SPST 200VDC, 250 VAC, 1Amp 30 Watts	22 AWG 16/0.2mm PVC	Water
 VCS-02	Bottom Entry, Top Entry	Polypropylene	M8 Internal	Internal	-30 to +80°C	1.3 Bar	SPST 200VDC, 250 VAC, 1Amp 30 Watts	22 AWG 16/0.2mm PVC	Water
 VCS-05	Bottom Entry, Top Entry	Nylon 6.6	1/8 NPT Internal	Internal	-30 to +130°C	1.3 Bar	SPST 200VDC, 250 VAC, 1Amp 30 Watts	22 AWG 16/0.2mm PVC	Fuel, alcohols, deionised water, organic solvents
 VCS-06	Bottom Entry, Top Entry	Nylon 6.6	M8 Internal	Internal	-30 to +130°C	1.3 Bar	SPST 200VDC, 250 VAC, 1Amp 30 Watts	22 AWG 16/0.2mm PVC	Fuel, alcohols, deionised water, organic solvents
 VS301-51N	Bottom Entry, Top Entry	Nylon 6.6	Universal fitting kit with English fitting instructions	External/Internal	-30 to +130°C	4 Bar	SPST 200VDC, 250 VAC, 1Amp 30 Watts	22 AWG 16/0.2mm PVC	Fuel, oils, chemicals
 VS801-51	Bottom Entry, Top Entry	Glass Filled Polypropylene	Universal fitting kit with English fitting instructions	External/Internal	-30 to +80°C	4 Bar	SPST Max 100VDC, 250 VRMS, 1AM, 70Watt	22 AWG 16/0.2mm PVC	Water

EVS Series

Product	Mounting	Housing Material	Fitting	Housing Color	Operating Temperature	Number of switching points	Float Material	Cable Type	Typical Applications
 EVS312-51N	Top & Bottom Entry	Nylon 6.6	Universal (Internal/External)	Blue	110°C	2	Glass Filled Nylon 6.6	3x24AWG, 7/0 2mm PVC Insulated 0.5m Long	Fuel, diesel, oils, alcohol, organic solvents
 EVS452-51	Top & Bottom Entry	PVS	Universal (Internal/External)	Grey	60°C	2	PVC	3x24AWG, 7/0 2mm PVC Insulated 0.5m Long	Alcohols, chemical, condensate water, deionized water, organic solvents
 EVS722-51	Top & Bottom Entry	Brass	Universal (Internal/External)	Brass	80°C	2	Glass Filled Polypropylene	3x24AWG, 7/0 2mm PVC Insulated 0.5m Long	Waste water, sump level, coolant level, boiler heating