

XLV-SL-ST - EXTENDED VARIABLE LENGTH VERTICAL LEVEL INDICATORS - WITH MIN LEVEL SIGNAL AND MAX TEMPERATURE SIGNAL



-Vertical level indicators with external **aluminium guard**, standard center-to-center distance 300-400-500 mm; consult our commercial/technical office for custom length.

-**Polyamide PA 66** black end caps, transparent **Polycarbonate tube**; behind the tube is a graduated contrast screen for a visual check of the fluid level.

-Aluminium guard can be turned 90 degrees where necessary for side viewing.

-**Zinc plated** M12 bolts and nuts (available on request in Stainless steel AISI 303), **Buna seals 70 durometer**; Max tightening torque suggested = **5 Nm (3.7 ft lbs)**.

-Suggested for applications with mineral oils, hydraulic fluids, diesel and fluid containing glycol. Avoid contact with gasoline, hydrocarbons and solvents (contact our technical office for compatibility with other chemical agents).

-The mounting can be made externally by providing 2 threaded holes M12 on the center-to-center distance, (tolerance $\pm 0,5$ mm) or they can be secured internally through 2 plain holes $\varnothing 12,5$ mm (-0.2), using the flanged nuts.

-Max working temperature **80°C/176 F**, max pressure suggested **1 bar/14,5 PSI** (for use on pressure tanks contact our technical office).

-**REED Switch Sensor** is attached to the internal transparent tube, adjustable in height according to the control requirements of the level; minimum quote positioned at about 50 mm from the center of the lower bolt. The sensor is supplied with power cable (length 30 cm/0,98 ft) and M8 male connector; on request it is possible to provide a

separate connection cable (length 250 mm/8.2 ft) complete with female M8 connector. Possibility to also apply more than of level sensors positioned at different heights.

-**Floating element** made of technopolymer containing a magnetic element that closes the electric contact when it reaches the level switch sensor REED.

-Max temperature electrical sensor (calibrated at **60°C-70°C/140-158 F**) incorporated into the zinc plated M12 bolt (IP65 protection degree) with DIN swivel connector.

-**Standard executions: XLV/SL-ST-NO** (electrical contact normally open on the temperature sensor) **XLV-SL-ST-NC** (electrical contact normally closed on the temperature sensor).

-**Operation features:** The vertical level indicator XLV-SL-ST in addition to allowing a visual inspection provides an electrical signal when the required temperature of the fluid inside the tank is reached (in conditions of use at ambient temperature of about 20°C/68 F), and provides as well an electrical signal when the float element reaches the predetermined minimum level.

-**XLV-SL-ST-NO:** the level sensor closes the electric circuit when it reaches the preset minimum level; the maximum temperature sensor closes the electric circuit at the preset threshold temperature.

-**XLV-SL-ST-NC:** the level sensor closes the electric circuit when it reaches the preset minimum level; the maximum temperature sensor opens the circuit at the preset threshold temperature.