Tank level alarm system LS-2

Main features:

- MAX number of sensors: 2 (by default - one)
- Sensor type: heavy, made from Stainless Steel
- Aggressive environments: sensors are resistant to petroleum and oil
- Supported alarm devices: any, over installed relay contacts (NO or NC)
- Control panel type: IP65 enclosure, with LED indication

OVERVIEW

Tank level alarm LS-2 intended for level alarming of electrically conductive fluid (petrol-water, oil-water). When set level is reached, controller is switching relay (NO and NC relay contacts can be used).

LS2 operation principle is based on resistance measuring of electrically conductive fluid. Sensor contains two Stainless Steel electrodes, when electrodes flood - measuring circuit resistance is changing and LS-2 switching to alarm mode.

Set of Level alarm LS-2 contains 1 or 2 sensors (by default one), distribution box, wire for sensor and control unit.

SPECIFICATION

Sensing sensitivity adjustment	yes (3,0 kΩ, 30,0 kΩ, 300 kΩ, 3MΩ)
MAX distance betwean controller and sensor	≤50 m
Amount of channels	2
Sensor spark protection	yes
Electricity insulation breakdown voltage	>1,5 kV
Reaction in to electrically conductive fluid	NO or NC (relay contacts)
MAX relay load	switching contacts 6A, 220V
Power	220V~, 50-60Hz
Consumption	3W
Signaling	LED signalization
Dimmensions	130mm x 94mm x 57mm
Weight	0,3 kg

Operation mode	24/7
Controller operating mode	from -30 ºC to + 50 ºC, humidity up to 95 % (non-condensing)
Sensors operating mode	from + 1 ºC to + 45 ºC
Complies to electromagnetic directives	EN 61326-1:2013
	EN 55011:2009
	EN 55011:2009/A1:2010
	EN 61000-4-2:2009
	EN 61000-4-3:2006
	EN 61000-4-3:2006/A1:2008
	EN 61000-4-3:2006/A2:2010
	EN 61000-4-4:2012
	EN 61000-4-5:2006
	EN 61000-4-6:2009
	EN 61000-4-8:2010
	EN 61000-4-11:2004
Complies to safety directives	EN 61010-1:2010