

Liquid Level Sensor - Model 460-15-100-LLS



The PumpSaver® Model 460-15-100-LLS is a liquid level sensor to detect the presence of conductive liquids. The unit has an adjustable debounce timer (2-60 seconds) to help prevent nuisance relay actuations due to waves or liquid splashing into the tank. When the probe is submersed, the PumpSaver's output contacts will change state as soon as the debounce time expires.

Relay logic can be inverted so the PumpSaver's output contacts change state when the probe is no longer submersed.



Specifications

Functional Specifications	
Sensitivity	100kΩ
Debounce Time	2 - 60 seconds
Input Characteristics	
Control Voltage	110/120VAC nominal
Frequency	50/60Hz (Note: 50Hz will increase all delay timers by 20%)
Output Characteristics	
Output Contact Rating-DPST	360VA@240VAC (Pilot Duty) 8A@240VAC (General Purpose)
General Characteristics	
Operating Temperature	-20° to 70° C (-4° to 158° F)
Maximum Input Power	2 W
Relative Humidity	10-95%, non condensing per IEC 68-2-3
Terminals	
Wire Size	12-20 AWG
Torque	6 in.-lbs.
Standards Passed	
Electrostatic Discharge (ESD)	IEC 61000-4-2, Level 3, 6kV contact, 8kV air
Radio Frequency Immunity, Radiated	150 MHz, 10 V/m
Fast Transient Burst	IEC 61000-4-4, Level 3, 3.5kV input power and controls
Surge	
IEC	IEC 61000-4-5, Level 3, 4kV line-to-line; Level 4, 4kV line-to-ground
ANSI/IEEE	C62.41 Surge and Ring Wave Compliance to a level of 6kV line-to-line
Hi-Potential Test	Meets UL508 (2 x rated V + 1000 V for 1 minute)
Class of Protection	IP20, NEMA 1 (finger safe)
Safety Marks	
cUL	UL508, C22.2 No. 14
Dimensions	3.5" Lx 2.084" Wx 2.35" H
Weight	9 oz.
Mounting Method	35 mm DIN rail or Surface Mount (#6 or #8 screws)

For a typical wiring diagram see page 51.
For product dimensions see page 52.

How to order:

460-15-100-LLS (Liquid Level Sensor)

