

# 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.

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

## Specifications

<b>Functional Specifications</b>	
Sensitivity	100kΩ
Debounce	20 - 60 seconds
<b>Input Characteristics</b>	
Control Voltage	110/120VAC nominal
Frequency	50/60Hz (Note: 50Hz will increase all delay timers by 20%)
<b>Output Characteristics</b>	
Output Contact Rating-DPST	360VA@240VAC (Pilot Duty) 8A@240VAC (General Purpose)
<b>General Characteristics</b>	
Operating Temperature	
Ambient Operating	-20° to 70° C (-4° to 158° F)
Ambient Storage	-40° to 80° C (-40° to 176° F)
Power Consumption	2 Watts (max.)
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 100-4-2, Level 3, 6kV contact, 8kV air
Radio Frequency Immunity, Radiated	159 MHz, 10 V/m
Fast Transient Burst	IEC 1000-4-4, Level 3, 3.5kV input power and controls
Surge	
IEC	IEC 1000-4-5, 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	
UL	UL508
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)

### How to order:

Part Number: 460-15-100-LLS



orders@symcom.com / customerservice@symcom.com  
(605) 348.5580 / (800) 843.8848 / Fax (605) 348.5685