



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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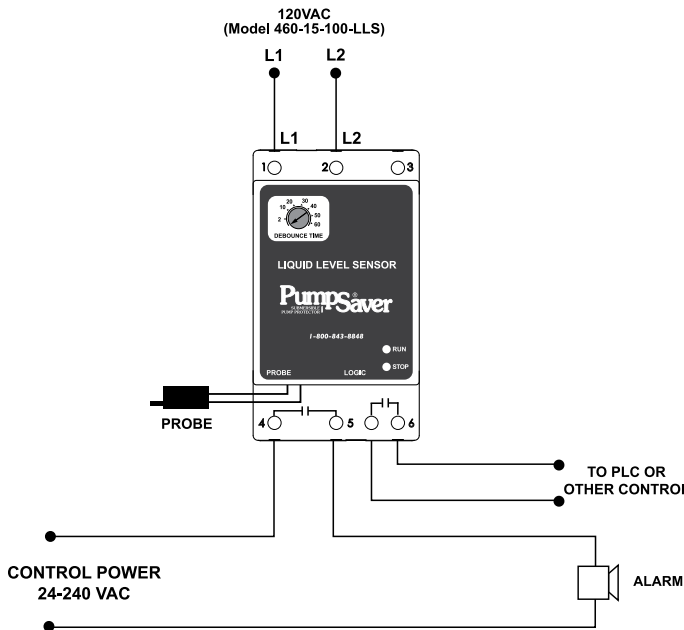


460-15-100-LLS

Single-Channel Liquid Level Sensor



Wiring Diagram



Description

The 460-15-100-LLS is a liquid level sensor to detect the presence of conductive liquids. A probe is mounted at the desired tank level and connected to the PumpSaver®. When the probe is submersed, the relay's output contacts will change state as soon as the debounce time expires. The adjustable debounce timer is intended to prevent nuisance actuating due to waves or splashing in the tank.

Relay logic can be inverted so the relay's output contacts change state when the probe is no longer submersed. This makes the unit versatile for use in pump-up and pump-down applications.

Features & Benefits

FEATURES	BENEFITS
Unique Probe Protection logic	Probes are protected from scale build up through pulsed DC signal between the probes
Invertible relay logic	Allows flexibility to be used in pump-up and pump-down applications
Adjustable debounce timer	Prevents nuisance actuating caused by waves or splashing in the tank
LED status indicators	Provides visual indication of the relay status

Specifications

Input Characteristics

Control Voltage 110/120VAC nominal
Frequency 50/60Hz (*Note: 50Hz will increase all delay timers by 20%*)

Sensitivity

Functional Characteristics 100kΩ

Probe Sense Voltage

Debounce Time Delay 2-60 seconds

Output Characteristics

Output contact Rating

– (Two Form A - SPST)

Pilot Duty

360VA @ 240VAC

General Purpose

8A @ 240VAC

General Characteristics

Ambient Temperature Range

Operating -40° to 70°C (-40° to 158°F)

Storage -40° to 80°C (-40° to 176°F)

Maximum Input Power

2 W

Class of Protection

IP20, NEMA 1 (finger safe)

Relative Humidity

10-95%, non-condensing per IEC 68-2-3

Terminal Torque

4.5 in.-lbs.

Wire

12-20 AWG

Standards Passed

Electrostatic Discharge (ESD) IEC 61000-4-2, Level 3, 6kV contact, 8kV air

Radio Frequency

Immunity, Radiated 150MHz, 10 V/m

Fast Transient Burst

IEC 61000-4-4, Level 3, 3.5kV input power and controls

460-15-100-LLS

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 min.)

Safety Marks

UL

UL508 (File #E68520)

CE

IEC 60947

Enclosure

Polycarbonate

Dimensions

H 88.9 mm (3.5"); **W** 52.93 mm (2.08");

D 59.69mm (2.35")

Weight

1 lb. (16 oz., 453.59 g)

Mounting Method

35mm DIN rail or Surface Mount
(#6 or #8 screws)