

Series 31 / 32 Liquid Level Control

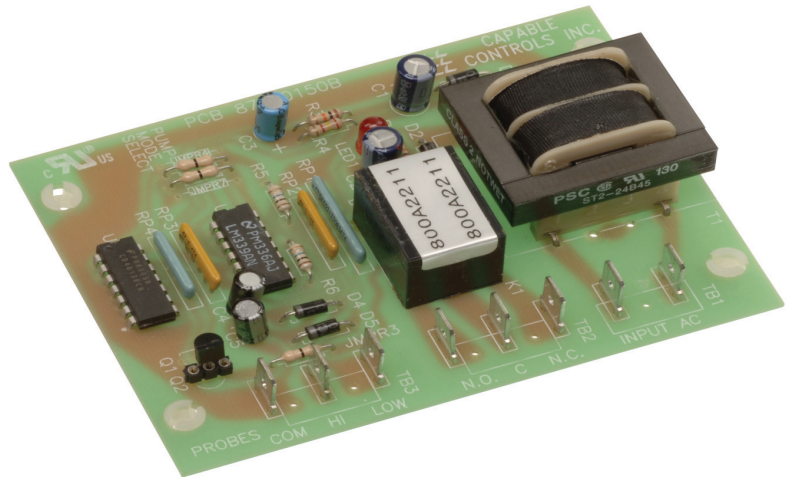
Dual Probe Conductance Sensing Pump-Up / Pump-Down

Features

Low voltage AC detection
 Selectable sensitivity
 Probe current less than 1 mA
 10 Amp relay @ 240Vac resistance
 Relays rated at 10M mechanical or 100K full load
 Operating temperature 85°C
 Conformal coated for moisture protection
 LED operation indication

Applications

Any vessel that needs to be replenished with a conductive fluid.
 Such as: Rethernalizers, Pasta Cookers, Steam Tables,
 Boilers and Hot Water Heaters.



Agency Certifications

 File E250761

Selection Options

Sensitivity 50k or 100k Ohms
 Pump-up or Pump-down modes
 1/4" Fast-ons
 Terminal block connections
 Contact Capable Controls for additional options

SPECIFICATIONS

INPUT VOLTAGES	DESCRIPTION
Type 31 Power Input:	24 Vac 50 / 60Hz
Type 32 Power Input:	120 / 240 Vac 50 / 60HZ
Power consumption:	1.5Va maximum
Sensing Range:	100K ohms maximum
Sensing voltage:	20 Vac maximum
Sensing current:	1mA maximum
Operating humidity:	90% non-condensing
Output:	10 Amps @ 240Vac, 1/2 hp
Mechanical:	10,000,000 Cycles
Electrical:	100,000 cycles minimum (FL)
Connections:	1/4" Male Fast-ons
Diagnostic:	LED

Description

The 31 Series is 24VAC input and the 32 Series is 120VAC input
 The pump-up operating begins when power is applied.
 When the vessel is empty the relay is energized until the liquid contacts the high probe.
 As the vessel is emptied and the liquid goes below the low probe the relay is again energized and the cycle is repeated.
 The pump-down operation is similar with the control relay energized upon liquid level the high probe.
 The relay is de-energized when the liquid falls below the low probe.