

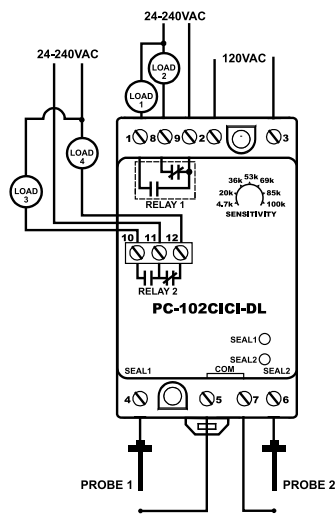
## PC-102 SERIES

### Dual Seal-Leak Detector or Seal-Leak & Over-Temperature Detector

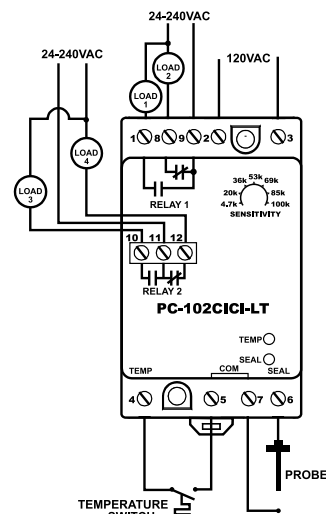


### Wiring Diagram

PC-102CICI-DL



PC-102CICI-LT



### Ordering Information

MODEL	LINE VOLTAGE	DESCRIPTION
PC-102CICI-DL	120VAC nominal	Dual seal-leak detector uses inputs to sense seal failures and energize the output relay. Input logic direct or inverted is DIP switch selectable
PC-102CICI-LT	120VAC nominal	Seal-leak and over-temperature detector uses one input to sense seal failures and the temperature input to detect motor overheating. Configurable to suit various probes. Seal input logic direct or inverted, plus over-temperature trip reset automatic or manual, is DIP switch selectable

### Description

The PC-102 is a dual-channel switch that provides dual protection against seal failures and over-temperature in submersible pumping applications.

Both units have two form-C isolated output relays and two LEDs, which illuminate when each associated output relay is energized.

The sensitivity adjustment (4.7k-100kOhms) allows you to define the input impedance at which the output relays will change state. The sensitivity for the over-temperature detector can be set to 4k Ohms with use of the DIP switches.

**This unit may not be compatible with Flygt pumps.**

### Features & Benefits

FEATURES	BENEFITS
<b>Finger-safe terminals</b>	Meets IEC 61000 safety requirements
<b>Compact design for DIN rail or surface mount</b>	Allows flexibility in panel installation
<b>LED Status Indicator</b>	Visual indication of relay engagement
<b>Two input channels</b>	Flexibility for pump-up/pump-down or two-channel switch applications

### Specifications

#### Input Characteristics

##### Frequency

50/60Hz

#### Functional Characteristics

##### Probe Sense Voltage

5vdc pulsed

##### Sensitivity

4.7k-100kΩ

##### Sensitivity (for temp)

Selectable 4kΩ with DIP switches

##### Input Logic

Direct or inverted

##### Debounce Time Delay

0.5 or 2 seconds

#### Output Characteristics

##### Relay Output Rating

(2 Form C isolated)

##### Pilot Duty

180VA @ 120VAC, C150

##### General Purpose

5A @ 240VAC

#### General Characteristics

##### Temperature Range

-20° to 55°C (-4° to 131°F)

##### Maximum Input Power

2 W

##### Depluggable Connector

Phoenix Contact-Series MSTB plugs

##### Output Relay

##### Status Indicators

LEDs

##### Terminal Torque

4.5 in.-lbs.

##### Wire range

12-20 AWG

#### Standards Passed

##### Electrostatic Discharge (ESD)

IEC 61000-4-2, Level 3, 6kV contact, 8kV air.

##### Radio Frequency Immunity (RFI)

IEC 61000-4-3, Level 3, 10V/m

##### Fast Transients

IEC 61000-4-4, Level 3, 4kV input power  
2kV inputs/outputs

#### Safety Marks

##### UL

UL508 (File #E68520)

##### Dimensions

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

**D** 59.69 mm (2.35")

##### Weight

0.9 lb. (14.4 oz., 408.23 g)

##### Mounting Method

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

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Littelfuse:

[PC-102CICI-LT](#) [PC-102CICI-DL](#)