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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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## PC-102 SERIES

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



#### 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.

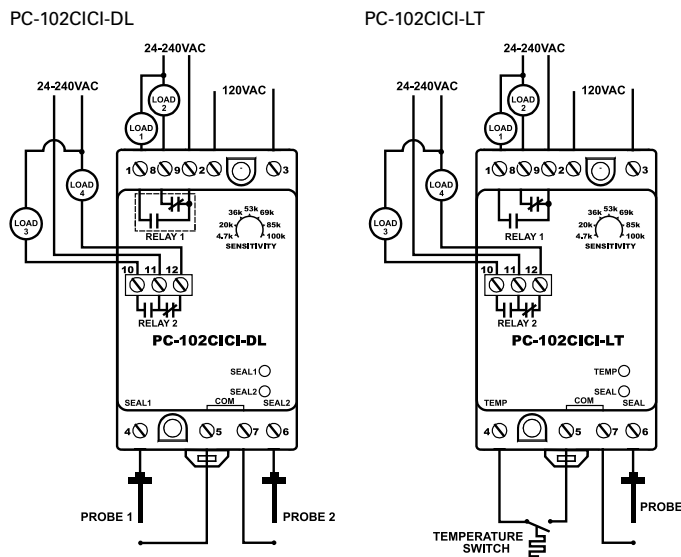
The sensitivity adjustment (4.7k-100kOhms) allows you to define the input impedance at which the output relays will change state. The sensitivity for the over-temperature detector can be set to 4k Ohms with use of the DIP switches.

**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

#### Wiring Diagram



#### 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)

#### 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