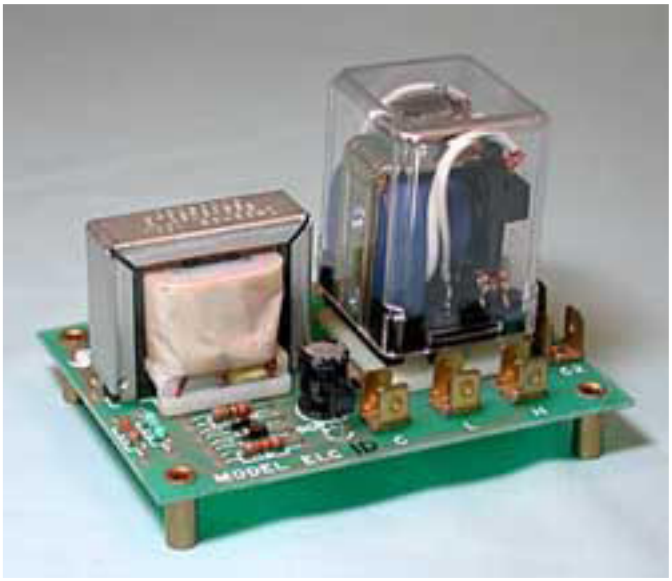
Curtis® liquid level controls

Model ELC

Economical unit with sensitivity up to 50,000 ohms



Features

- Compact, Solid-State Design
- Single Level, Forward Mode Operation
- Holding Circuit for Differential Levels, or Manual Reset
- Low AC Signal Voltage
- Transient-Protected Circuit, Positive ON/OFF Eliminates Relay Chatter
- Circuit Design Limits Short Circuit Probe Current to 10MA/24VAC

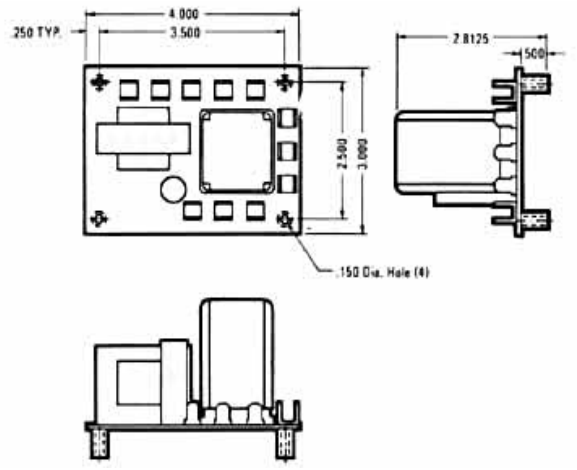
Specifications

	Model	Input Supply
Input Supply:	ELC-1-S,D	120VAC, 50/60 Hz
	ELC-2-S,D	240VAC, 50/60 Hz

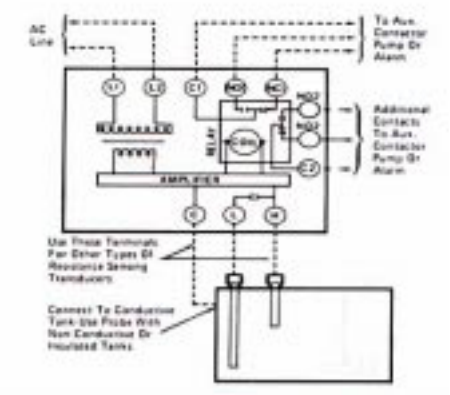
Maximum Allowable Supply Voltage Variation: ± 10%
Maximum Power Consumption: 3 Watts
Detectable Range: Up to 50,000 ohms
Operating Point Differential: 3% (Typical)
Maximum Signal or Probe Voltage: 24VAC
Maximum Signal or Probe Current: 10MA

Control Relay: Plug-in Type with Dust-Tight Cover
Probe Contacts: SPDT internally connected
Load Contacts: SPDT (ELC-1,2-S) or DPDT (ELC-1,2-D)
Rated 10 amp Non-inductive, 120VAC, 1/4 HP
1/3 HP at 240VAC
Ambient Operating Temperature: +32° F to +140° F
Standard Termination: .250" Quick-Connect
Mounting Style: 4 Standoffs

Outline and Mounting Dimensions



Connection Diagrams



This is a fixed-sensitivity, forward mode control. The control relay is energized when liquid rises to contact the "H" probe. The control relay is pulled in and remains energized until liquid drops below the "L" probe.

Ordering Information

Typical Curtis Model Number

ELC-1 -S-

Model (Also refer to "Specifications" above)
Output Contacts (S-SPDT, D-DPDT)
Enclosure – specify only if necessary –
N3-NEMA 3, N4–NEMA 4 JIC

The composite number above reads as "an ELC amplifier for 120VAC supply SPDT Output and without Enclosure."

For further information on catalog listed controls contact your area Curtis representative or Curtis distributor.
For custom design or modification contact your area Curtis representative or the factory direct.