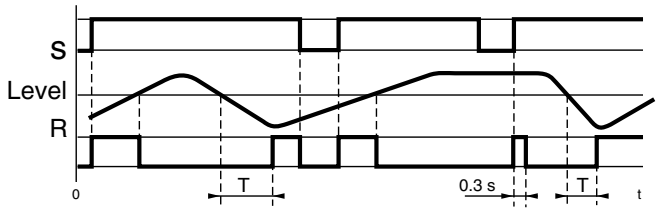
NRT SERIES
LIQUID LEVEL CONTROL CONSTANT LEVEL PUMP UP

UL listed CSA recognized

- **100 kΩ Sensitivity**
- **10 Amp SPDT Relay**
- **Maintain Constant Level**
- **Four Mounting Options**





The NRT series is applied for maintaining a constant level of conductive liquid. When the liquid decreases below the probe, the relay is energized after a 4 second time delay to avoid wave disturbances. The relay de-energizes when the liquid reaches the probe. A common electrode is needed if the container is non-conductive.

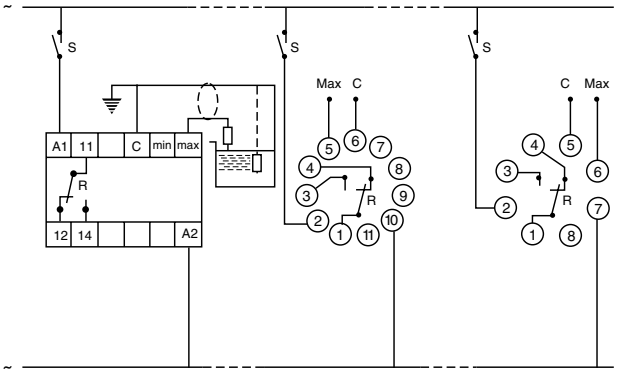
SPECIFICATIONS:

Input	24 VAC, 48 VAC, 110 VAC 220 VAC, ± 15%, 50/60 Hz	
Maximum power consumption	24 VAC: 1.5 VA 48 VAC: 1.7 VA 110 VAC: 2 VA 220 VAC: 2 VA	
Output	SPDT Relay	
Contact material	AgCdO	
Maximum loading	10 A AC resistive	8 A Dc resistive
Maximum switching voltage	250 VAC	250 VDC
Relay maximum power rating	2500 VA	80 W
Mechanical life of relay	3 x 10^7 operations	
Electrical life of relay	2 x 10^5 at 2200 VA resistive load	
Probe isolation	Switching contact 2000 VAC Electrodes: 2000 VAC	
Probe sensitivity	100 kΩ	
Probe voltage	24 VAC, 60 Hz	
Probe current	1 mA max.	
Operating temperature	+14°F to +140°F	-10°C to +60°C
Weight	7 oz. (200g)	

Note: The probe cables (max. 300ft) need not be shielded; however, it is not advisable to run the probe cables with power cables. If shielded cable is used, the shield and common should be connected.

WIRING DIAGRAM:

DNRT LNRT PNRT



ORDERING INFORMATION:

P — MOUNTING
NRT — SERIES
110A — INPUT POWER

MOUNTING
D = DIN-rail or panel mounting
L = 11 pin plug-in
P = 8 pin plug-in
N = open PC board

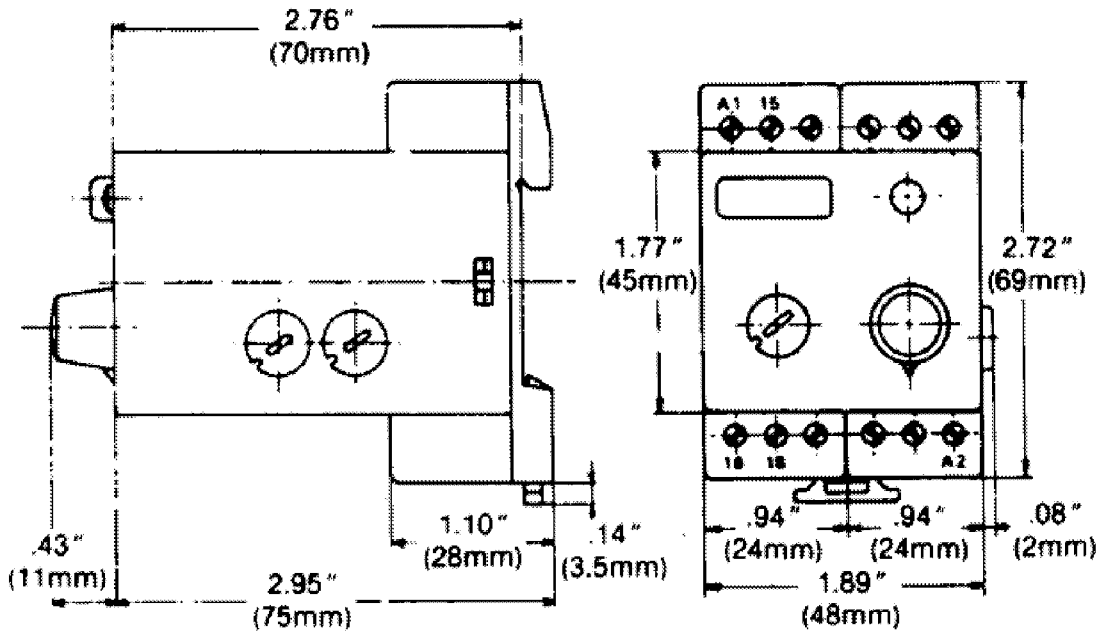
SERIES
NRT = Enclosed
NNRT = Open PC board version mounting dimensions same as NNR

INPUT POWER
24A = 24 VAC
48A = 48 VAC
110A = 110 VAC
220A = 220 VAC

Products and specifications subject to change without notice.
Consult factory for application assistance.

DIMENSIONS:

D - DIN-Rail



L & P - Sockets

