

LIQUID LEVEL CONTROLS - DUAL PROBE

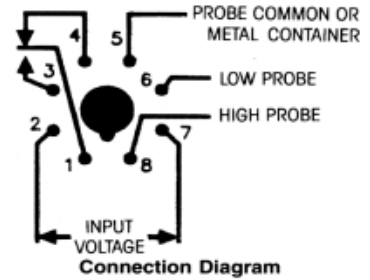
Provides high and low sensing with Pump Up or Pump Down capabilities. Standard octal plug-in housing. Probe and sensing circuit are isolated from line voltage through a transformer. Probe is driven by AC signal to prevent plating. Output is an electro-mechanical relay rated 10 amps.

Mfr. No.	Logic Type	Input Voltage
LNC-00DLA-447	"A" Pump Down	24VAC
LNC-00DLA-441	"A" Pump Down	120VAC
LNC-00DLA-445	"A" Pump Down	230VAC
LNC-00DLB-447	"B" Pump Up	24VAC
LNC-00DLB-441	"B" Pump Up	120VAC
LNC-00DLB-445	"B" Pump Up	230VAC



ACCESSORIES

Mfr. No.	Description
LLH-01138-010	Probe holder
LLH-11383-010	Probe holder with ground
LLP-06.00-OSS	Probe, 6" long, 1/4" dia., SS
LLP-12.00-OSS	Probe, 12" long, 1/4" dia., SS
LLP-24.00-OSS	Probe, 24" long, 1/4" dia., SS
MSO-0008P-012	Octal socket, back panel mount
ASY-STRAP-7.00L	Hold down strap for control



DUST COLLECTOR CONTROLS

MODELS T2003 - T2032

Input power is applied to the control at all times. For "On Demand" cleaning, closure of isolated control contacts (pressure switch) initiates the "Off" time. At the end of the off time the control energizes solenoid no. 1 to provide a cleaning pulse; it then transfers to the next compartment initiating the off time again. This cycle continues until the control contacts open. The control remembers the last output activated and will activate the next one in line when the control contacts reclose. For "continuous" cleaning the pressure switch terminals should be shorted together. A program wire allows for field selection of number of outputs required.



Off Time: Range A—adjustable from 1.5 to 30 seconds. **Off Time:** Range B—adjustable from 8.5 to 180 seconds. **Output:** Solid-state switch rated at 200 VA max. per output.

Mfr. No.	Max. No. Outputs	Input Voltage (VAC)	Dimensions		UL File No.	CSA File No.
			Length (in)	Width (in)		
DNC-T2003-A10	3	120	6.75	4.875	E-65038	LR-33434
DNC-T2003-B10	3	120	6.75	4.875	E-65038	LR-33434
DNC-T2006-A10	6	120	8.75	6.875	E-65038	LR-33434
DNC-T2006-B10	6	120	8.75	6.875	E-65038	LR-33434
DNC-T2010-A10	10	120	8.75	6.875	E-65038	LR-33434
DNC-T2010-B10	10	120	8.75	6.875	E-65038	LR-33434
DNC-T2020-A10	20	120	10.75	8.875	E-65038	LR-33434
DNC-T2020-B10	20	120	10.75	8.875	E-65038	LR-33434
DNC-T2032-A10	32	120	12.75	10.875	E-65038	LR-33434
DNC-T2032-B10	32	120	12.75	10.875	E-65038	LR-33434
DNC-T2006-A220	6	220	8.75	6.875	E-65038	LR-33434
DNC-T2006-B220	6	220	8.75	6.875	E-65038	LR-33434
DNC-T2010-A220	10	220	8.75	6.875	E-65038	LR-33434
DNC-T2010-B220	10	220	8.75	6.875	E-65038	LR-33434
DNC-T2020-A220	20	220	10.75	8.875	E-65038	LR-33434
DNC-T2020-B220	20	220	10.75	8.875	E-65038	LR-33434

NEMA 4 ENCLOSURES

Mfr. No.	Description/ Required Size (in.)
BOX-A0806-CHNF	8 x 6 x 3 1/2
BOX-A1008-CHNF	10 x 8 x 4
BOX-A1210-CHNF	12 x 10 x 5
BOX-A1412-CHNF	14 x 12 x 6
MSW-ODPST-011	Switch
ASL-OORED-NEMA4	Red lamp

Octal Plug-in Conductive Liquid Level Controls

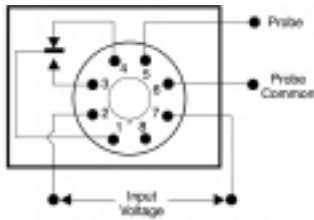
✓ **Isolated 12VAC Probe Voltage Reduces Probe Electroplating**



1.78" x 2.39" x 2.90"
(45x61x74mm)



Connection Diagram



RELAY CONTACTS ARE ISOLATED FROM INPUT VOLTAGE

LLC4 Series (Single Probe Sensing)

- 8 Pin Octal Plug Construction
- Adjustable Sensing up to 250,00 Ohms
- Time delay to prevent rapid cycling of valve or pump
- Isolated AC Voltage on the Probes
- 4 Amps Resistive SPDT Isolated Contacts
- Moisture Protected Circuitry
- 120 VAC Input Voltage

Drain Mode: When the liquid is not in contact with the probe, the output relay is de-energized. When the liquid touches the probe, the time delay begins. At the end of the time delay, the relay energizes until the liquid no longer touches the probe.

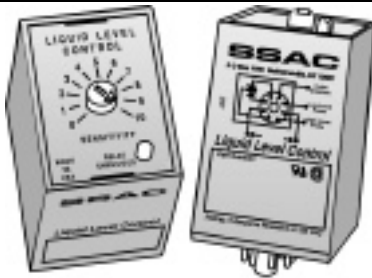
Fill Mode: With the liquid in contact with the probe, the output relay is de-energized. When the liquid no longer touches the probe, the time delay begins. At the end of the time delay, the relay energizes and remains energized until the liquid touches the probe.

Mode	Voltage	Time Delay	Part Number
Drain	120VAC	10 S	LLC44A10A
Drain	120VAC	60 S	LLC44A60A
Fill	120VAC	10 S	LLC44B10A
Fill	120VAC	60 S	LLC44B60A

Other options and voltages available

11

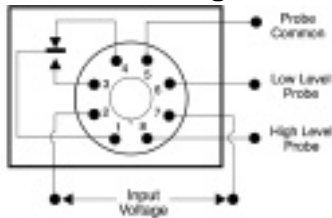
CONTROLS & SENSORS



1.78" x 2.39" x 3.30"
(45x61x84mm)



Connection Diagram



RELAY CONTACTS ARE ISOLATED FROM INPUT VOLTAGE

LLC5 Series (Dual Probe Sensing)

- 8 Pin Octal Plug-in Construction
- Onboard Knob Sensing, 2K to 100K Ohms
- LED Indicator Reduces Adjustment Time
- 24 or 120 VAC Input Voltage
- 5 Amps SPDT Isolated Contacts
- Moisture Protected Circuitry

Fill Mode: When the level falls below the lower probe, the output energizes a pump or valve to restore the liquid to the upper probe.

Drain Mode: When the liquid rises to the upper probe, the output energizes a pump or valve to lower the level to the lower probe.

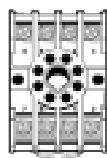
Mode	Voltage	Part Number	In Stock Part Numbers
Drain	24VAC	LLC52AA	
Drain	120VAC	LLC54AA	•
Fill	24VAC	LLC52BA	
Fill	120VAC	LLC54BA	•

Other options and voltages available

Accessories



BZ1
Panel Mount Kit
for use with all
SSAC Plug-in
Time Delay
Relays



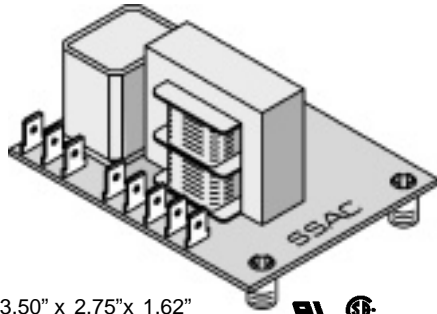
NDS-8
8 Pin Octal Socket
Fits
35mm
DIN Rail



WCC-1138
Liquid Level Control Electrode
WCC-1138-3
Electrode with Common Connection
LLP-24
24" (61cm) Threaded Stainless Steel Probe

Open PC Board Conductive Liquid Level Controls

✓ **Isolated 12VAC Probe Voltage Reduces Probe Electroplating**



3.50" x 2.75" x 1.62"
(89x70x41mm)

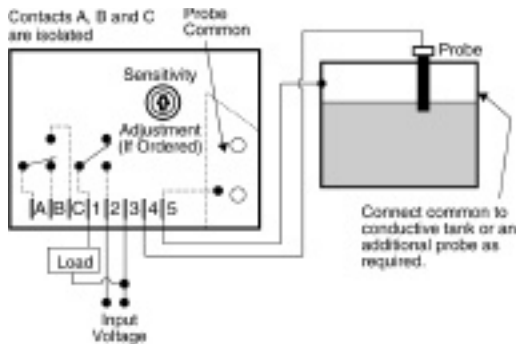
LLC1 Series (Single Probe Liquid Level Control)

- Open PC Board Construction
- Clear Coated Electronics
- Adjustable Sensing up to 250,000 Ohms
- 120 VAC Input Voltage
- Time delay to prevent rapid cycling of valve or pump
- Quick Connect Terminals
- 10 Amps SPDT Isolated & SPST Non-isolated Contacts
- Isolated AC Voltage on the Probes
- 0.38" (9.5mm) Nylon Standoffs, #6 Screw

Drain Mode: When the liquid is not in contact with the probe, the output relay is de-energized. When the liquid touches the probe, the time delay begins. At the end of the time delay, the relay energizes until the liquid no longer touches the probe.

Fill Mode: With the liquid in contact with the probe, the output relay is de-energized. When the liquid no longer touches the probe, the time delay begins. At the end of the time delay, the relay energizes and remains energized until the liquid touches the probe.

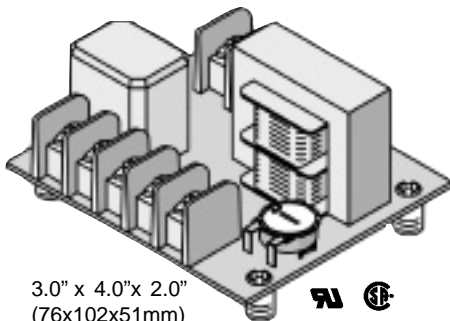
Connection Diagram



Mode	Voltage	Time Delay	Part Number
Drain	120VAC	10 S	LLC14A10AX
Drain	120VAC	60 S	LLC14A60AX
Fill	120VAC	10 S	LLC14B10AX
Fill	120VAC	60 S	LLC14B60AX

Other options and voltages available

Accessories for LLC1 and LLC2 Series	Part Number
Liquid Level Control Electrode (UL)	WCC-1138
Electrode with Common Connection	WCC-1138-3
24 inch (61cm) Stainless Steel Probe	LLP-24



3.0" x 4.0" x 2.0"
(76x102x51mm)

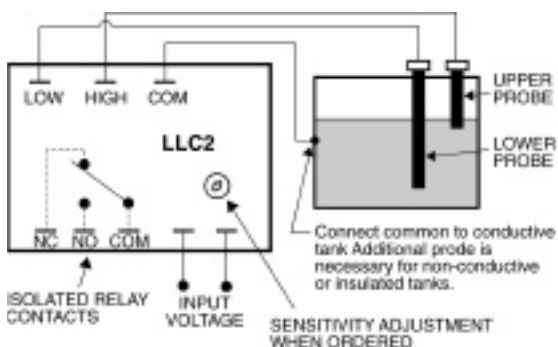
LLC2 Series (Dual Probe Liquid Level Control)

- Open PC Board Construction
- Clear Coated Electronics
- Adjustable Sensing up to 100,000 Ohms
- 120 Models are Available
- 10 Amps SPDT Isolated Contacts
- Isolated AC Voltage on the Probes
- Terminal Block

Fill Mode: When the level falls below the lower probe, the output energizes a pump or valve to restore the liquid to the upper probe.

Drain Mode: When the liquid rises to the upper probe, the output energizes a pump or valve to lower the level to the lower probe.

Connection Diagram



Mode	Voltage	Connection	Mounting Dimensions	Part Number
Drain	120VAC	Terminal Block	3.62" x 2.12" (92x54mm)	LLC24A2AN
Drain	120VAC	Terminal Block	3.5" x 2.5" (89x64mm)	LLC24A2AC
Fill	120VAC	Terminal Block	3.62" x 2.12" (92x54mm)	LLC24B2AN
Fill	120VAC	Terminal Block	3.5" x 2.5" (89x64mm)	LLC24B2AC

Other options and voltages available