

100C 4 CHANNEL CONDUCTANCE PROBE MONITOR

FEATURES



- Σ Microprocessor Based
- Σ Four Channel Conductance Probe Inputs
- Σ Adjustable Sensitivity
- Σ 8 Status Indicating LED's
- Σ SCADA Ready
- Σ 4 10A Relay Outputs
- Σ Removable Barrier Terminals
- Σ Din Rail Mount
- Σ 110VAC or 12VDC Power

The Sigma Controls 100C Series Conductance Level Monitor brings full customizable control utilizing conductivity probes. Whether it be simple indication of levels or duplex alternating operations, we've got you covered. Preset models include:

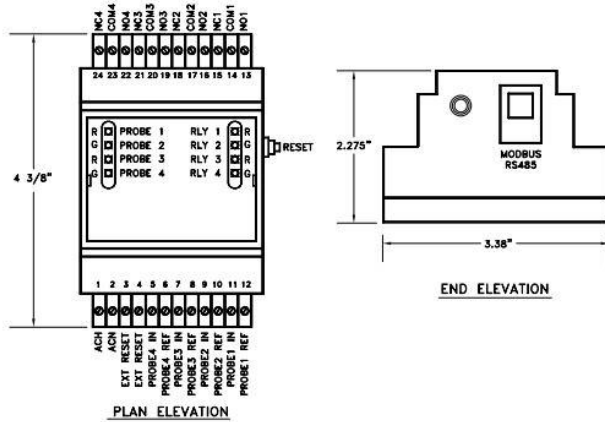
- 100C-RELAY – As Probe 1 turns on, so does its corresponding Form C Relay output. The 100C-RELAY comes with 4 separate channels for 4 separate probes.
- 100C-PC – The '-PC' model provides duplex lead / lag alternating operation, as well as a basic GENERAL alarm and a separate HIGH LEVEL alarm.
- 100C-HILO – This model uses just 2 probes ("OFF" & "ON"), sharing their own reference probe, to provide commands for pump operation when high level is reached. Once the "OFF" probe shuts back off, the pump will stop running.

SPECIFICATIONS

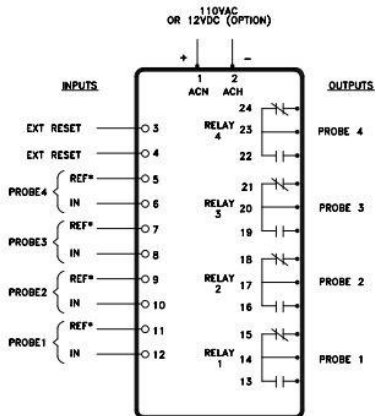
Power Supply	12VDC or 110VAC (optional)	
Relay Output (4)	@120VAC @30VDC	
Input Switch	S.S. Conductance Level Probe (4)	
Temperature Operating Storage	-20°C to +60°C -40°C to 85°C	
Relay Life	Electrical 100K cycles Mechanical 10,000K cycles	
Termination	Removable screw terminal barrier strip	
<u>LED Indicators</u>		
Probes On	Relays On	
1	1	Red
2	2	Green
3	3	Red
4	4	Green

FEATURES

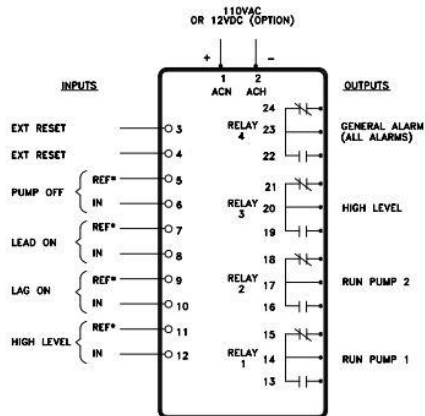
Adjustable Sensitivity for Probes	Utilizes float switch or conductance probes for moisture sensing.
Status Indicators	LED indicators provide for each control switch each load relay.
Alarm Contact Output	10A @ 250VAC 10A @ 28VDC
Din Rail Mounting	And compression screw terminals



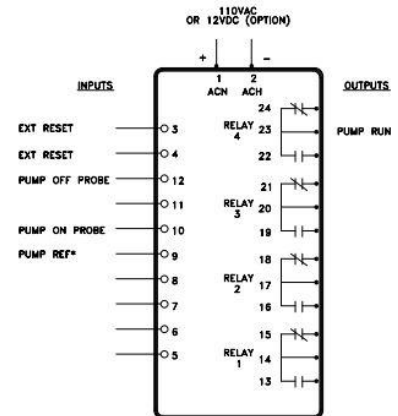
100C-RELAY
4-CHANNEL RELAY WITH FORM C OUTPUTS



100C-PC
DUPLIX PUMP CONTROLLER WITH ALTERNATION



100C-HILO
SIMPLEX OFF-ON PUMP CONTROLLER



* REFERENCE PROBE(S) MAY BE CONNECTED TO ANY REFERENCE INPUT, AS ALL REFERENCE PROBES ARE INTERNALLY JUMPERED

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MODEL 100C
MULTIPOINT CONDUCTANCE RELAY

Dwg. No.: 24-83

Date: 3/24/2026

Rev: REV B
4/1/2026

Sheet 1 of 1

Scale: N.T.S.



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