LIQUID LEVEL CONTROL SERIES 110-6

Resistance Sensors (Single Probe, Pump Up Logic with Time Delayed Output)

Model NS156

FEATURES

- 100% functionally tested
- Solid state sensing circuitry
- Isolated UL Class II sensing voltage
- 1/4" male fast-ons for circuit connection
- Conformal coating to protect circuit from harsh environments
- 🔊 File #E61377

Operating Logic: As liquid is removed from a tank and contact with a probe is interrupted, a fixed time delay is started. At the end of the time delay, the output is activated until the level rises and contacts the probe.

If the tank is non-conductive, a second (common) probe must be installed at a level where it will always be submerged.

SPECIFICATIONS

CONTROL TYPE

On/Off Resistance Sensing: Probe resistance above set point activates fill output after a fixed time delay

Sensing Voltage: 15 VAC, max. RMS Sensing Current: 2 mA, max. RMS

Sensitivity Adjustment:

NS156: Factory set at 100 K ohms ±10%

Activate Time Delay: NS156: 5 sec. ±1 sec.

INPUT

Operating Voltage: 120, 240 VAC, ±10% Power Consumption: 3.0 VA max.

Frequency: 50/60 Hz

OUTPUT

Type:

NS156: Solid state switch, .75 A at 25°C, .34 A at 77°C

Life:

NS156: 1,000,000 cycles min. at full load

PROTECTION

Isolation: 1500 VAC between probe and other

Transient Voltage: Protected by 30 joule metal

oxide varistor

Coating: Conformally coated with RTV to protect against moisture

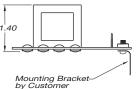
MECHANICAL

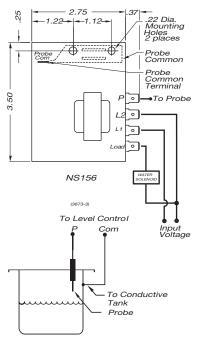
Terminations: 1/4" x .032" fast-ons Mounting: 2 -.218" dia. holes

ENVIRONMENTAL

Operating Temperature: NS156: +5°C to 77°C







Typical Probe Connection

ORDERING INFORMATION

LOGIC TYPE	INPUT VOLTAGE	PART NUMBER
Pump Up	120 VAC	LNC-NS156-120
Pump Up	240 VAC	LNC-NS156-240

ACCESSORY	PART NUMBER
Probe Holder with Ground	LLH-11383-010
Probe, 6" Long, 1/4" Dia., S.S.	LLP-06.00-OSS
Probe, 12" Long, 1/4" Dia., S.S.	LLP-12.00-OSS
Probe, 24" Long, 1/4" Dia., S.S.	LLP-24.00-OSS
Probe Assembly, Plastic Body	LLP-001/2-011

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