

NQ - Level Switch



Benefits and Features

- 2 Wire Interface
- SS Sensor
- No Moving Parts
- Position Independent
- Visible Switch Condition
- User Selectable Switch Logic
- Good to 270 °F
- NEMA 4X

General Description

NQ is a compact, ultrasonic level switch which activates when immersed in liquid. Its short intrusion length (1.42") makes it the right choice for applications in which container size is limited.

The NQ may be installed either as two or three wire controller. Voltages ranging from 24 to 240 VAC/VDC, 50/60 Hz may be controlled in the two wire configuration. Glass fibre reinforced nylon and 316 SS construction (in a NEMA 4X housing, of course!) make the NQ a tough performer in industrial applications. Extended probe lengths are available.

Specifications

Power Requirements

Two-wire: 24 to 240VAC/ VDC, 50/60 Hz

Three-wire: 24VDC, 50/60 Hz

Electrical Characteristics

2-wire Hook-up Solid State

Supply/Switch: 24–240 VDC/VAC

ON Current: 500 mA max.

OFF Current: 2–7.5 mA

3-wire Hook-up Solid State

Supply: 24 VDC

Signal: 18 VDC

Voltage Drop: 4.5 V @ 500 mA 10 V @ 7.5 mA

Leakage Current: 2 mA (switch off)

Protection: NEMA 4X/IP65

Switching Delays

Wet to Dry: 500 ms

Dry to Wet: 50 ms

Operation Conditions

Maximum Liquid Temperature: -40°F to +270°F

Maximum Ambient Temperature: +160°F with 210°F Fluid
+120°F with 270°F Fluid

Maximum Operating Pressure: 1000 PSIG @ - 40°F to 120°F
760 PSIG @ -40°F to 270°F

Weight: 0.95 lbs.

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Ordering Information

Ordering Data	
Part Number	Description
NQ-2000	Ultrasonic Level Switch
Option "EP"	Custom Insertion Depth

Dimensions

