NQ
LEVEL SWITCH

KOBOLD
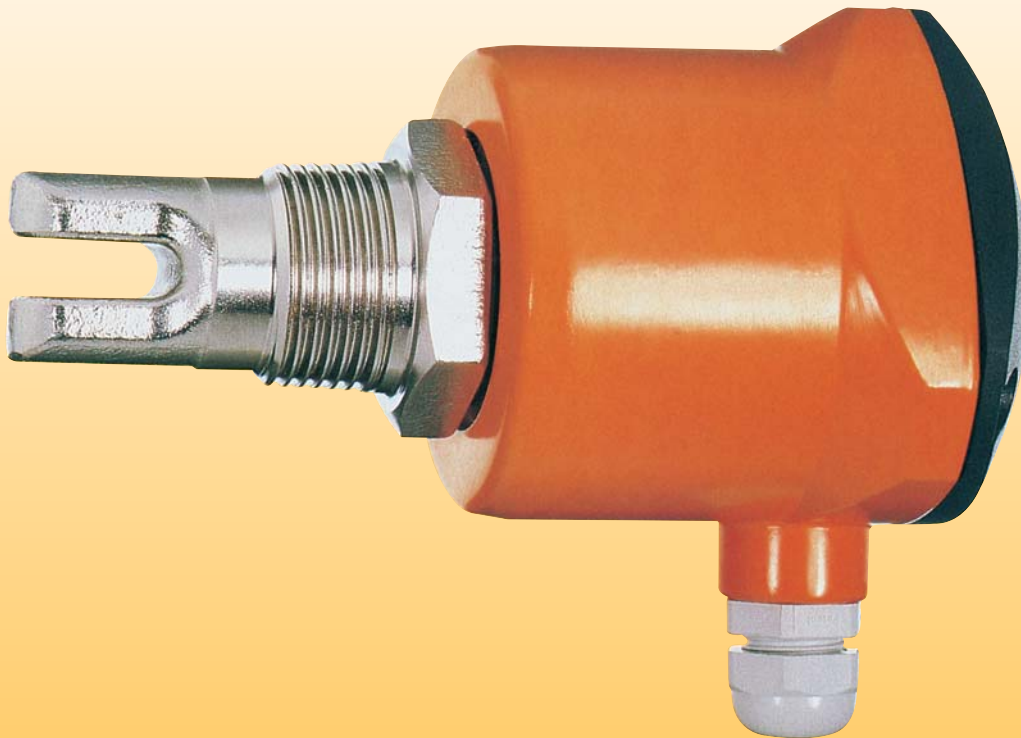
Flow
Pressure
Level
Temperature
measurement
monitoring
control

N1

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

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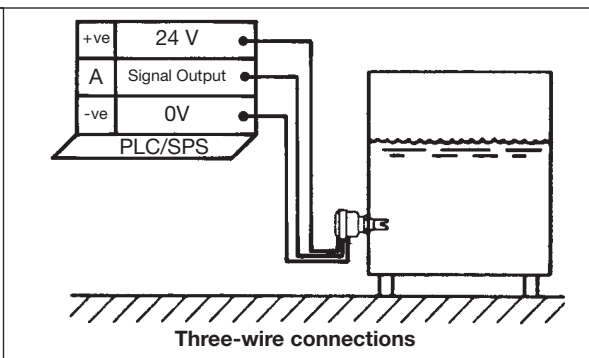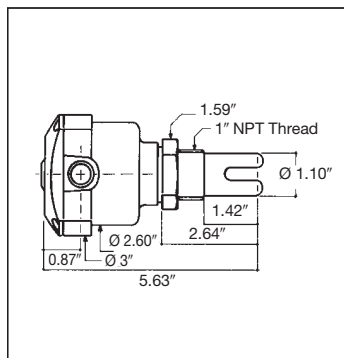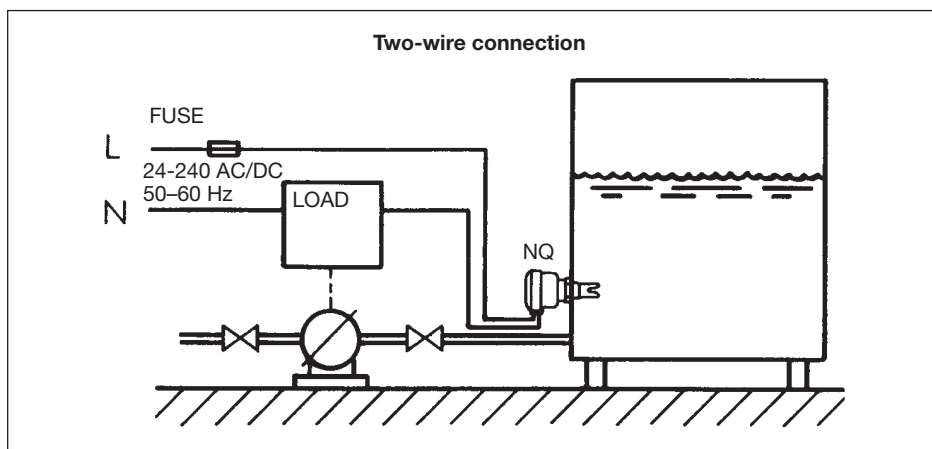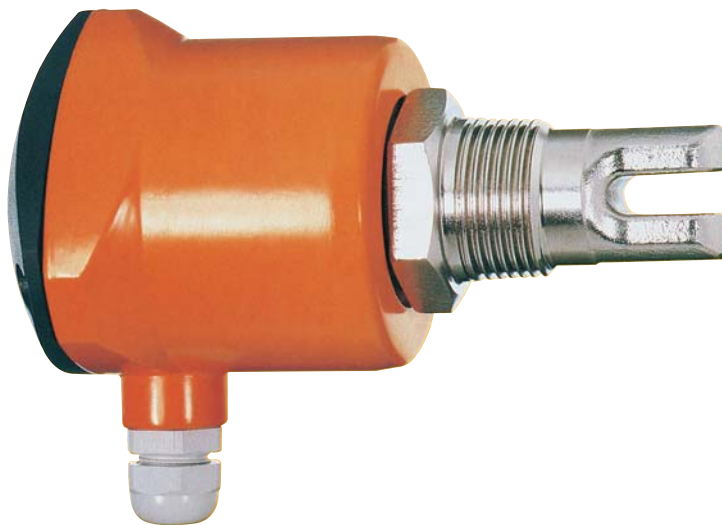
Visit **KOBOLD** Online at
www.kobold.com

Model:
NQ

Kobold's 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. Consult your KOBOLD Representative.

Two-wire connection

L
FUSE
24-240 AC/DC
50–60 Hz
N
LOAD
NQ

1.59″
1″ NPT Thread
Ø 1.10″
1.42″
2.64″
Ø 2.60″
Ø 3″
0.87″
5.63″

+ve | 24 V
A | Signal Output
-ve | 0V
PLC/SPS

Three-wire connections

Ordering Data

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

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.