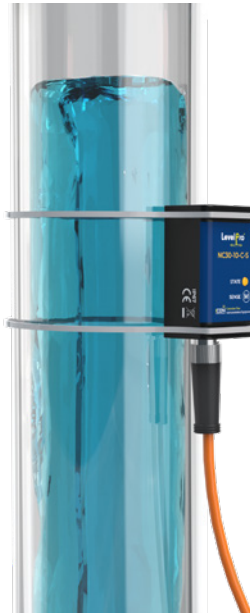


NC30 SERIES

Non-Contact Liquid Level | Flow Switch

- ✓ Non-Contact
- ✓ Senses through Wall
- ✓ Relay Output



Switch for Conductive Liquids

The NC30 Non-Contact Liquid Level | Flow Switch has been designed using high frequency technology to sense the presence of conductive liquid.

Suitable for Non-Metalic Tubing | Tanks | Drums | Pipe.

Featuring:

- ✓ All Plastic PP Design
- ✓ Non-Intrusive Liquid Level | Flow Detection through Plastic or Fiberglass Walls
- ✓ Small Footprint | Easy to Install
- ✓ Visual LED Liquid Presence Indication
- ✓ M8 Connection or Fixed Cable Connector
- ✓ Fits on ½" - 2" Pipe Diameter | Sch 40 | 80
- ✓ Senses up to 0.3" | (8mm) Wall Thickness

Technical Specifications

Supply Voltage		6-30VDC
Supply Current	Output type: PNP Pulse	Max. 0.6 7mA (OFF/ON State)
	Output type: Relay — 2-Wire Switch	Max. 0.6mA (OFF State)
Switched Current (Min / Max)	Output type: PNP Pulse	100mA
	Output type: Relay — 2-Wire Switch	3.3mA 40mA
Remanent Voltage – ON State	Output type: PNP Pulse	1.8 V
	Output type: Relay — 2-Wire Switch	6.0 V
Switching Frequency		Max. 1 Hz
Max. Thickness of the Vessel Wall	Conductive liquids	0.3" (8 mm)
Ambient Temperature Range		-4 to 176°F -20 to 80°C
Temperature Range at the Tube or Vessel Surface		-4 to 194°F -20 to 90°C
Housing Material		Plastic (PP)
Protection Class		NEMA 4X IP67
Cable Connection		PVC
Weight (Including 2 m Cable)		Approx. 60 g

Model Selection

NC30 — Liquid Level Leak Detection			
Part Number	Mount	Output	Application
NC30-10-C-S	V	Relay — 2-Wire Switch	V design sensing electrode face for piping and tubing applications.
NC30-10-C-P	V	PNP Pulse	V design sensing electrode face for piping and tubing applications.
NC30-11-C-S	Flat	Relay — 2-Wire Switch	Flat electrode for installation on drums and tanks.
NC30-11-C-P	Flat	PNP Pulse	Flat electrode for installation on drums and tanks.

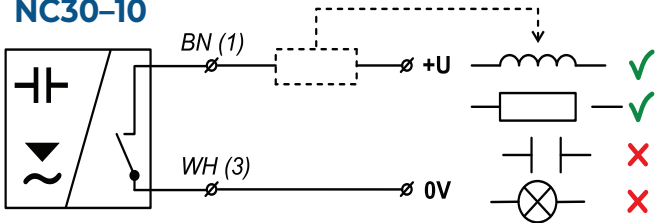
*M8 Connection (Std) Consult Factory for Flying Lead Cable.

NC30 SERIES

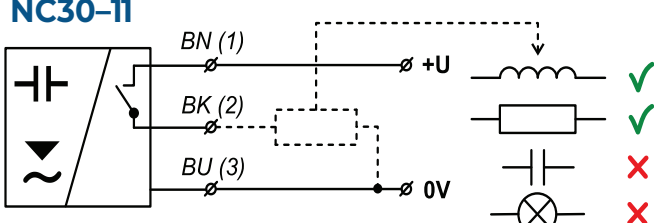
Non-Contact Liquid Level | Flow Switch

Electrical Connection

NC30-10



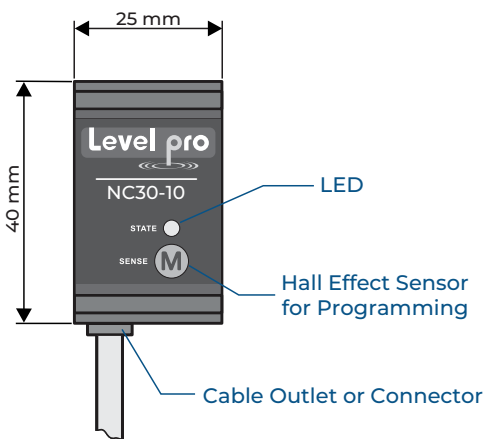
NC30-11



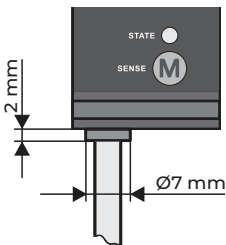
NOTE:
The sensor output is short circuit protected.
Shielded cable is recommended.

LEGEND:
BN – Brown
WH – White
BU – Blue
BK – Black

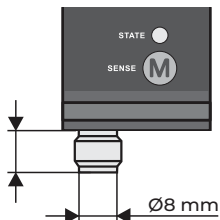
Dimension Drawings



Variant "A"
with Cable Outlet



Variant "C"
with Connector



Magnetic Pen

