

IN-LLT-C

Submersible Level Transmitter

Description.

The IN-LLT-C is a fully sealed submersible level transmitter. It is made by incorporating a high stability piezo-resistive pressure sensor and a precision circuit board within a stainless steel housing. The special cable connects with housing and can be immersed into liquid media. IN-LLT-C level transmitters are accurate, compact & light weight.

Applications: Pharmaceuticals, metallurgy, electricity, mines, municipal water supply, irrigation and hydrology.



Features.

- Integrated construction, unnecessary to do outer adjustment
- Sensor housing protection IP68, connection box protection IP65
- Cost-efficient, high reliability and stability
- RoHS approved

Ordering Information. (* donates stock products)

ITEMS	CODE		DESCRIPTION
SERIES	IN-LLT-C-		Hydrostatic Level Transducer
RANGE *	A-		0~1 m H ₂ O with 10m Cable
	B-		0~5 m H ₂ O with 10m Cable
	C-		0~10 m H ₂ O with 15m Cable
	D-		0~20 m H ₂ O with 30m Cable
	E-		0~50 m H ₂ O with 60m Cable
	F-		0~100 m H ₂ O with 110m Cable
	G-		0~200 m H ₂ O with 210m Cable
OUTPUT	A-		4~20mA (loop powered)
CABLE LENGTH (if not standard)		-	Transducer Cable Length (m)
OVER VOLTAGE PROTECTION		OVP	Protection Against Lightning Strikes
		N	None

Ordering Example: **IN-LLT-C-D-A-15-OVP**

Submersible Level Transmitter, 0~20m H₂O Range, 4~20mA Output, 15m cable, Over Voltage Protection.

Specifications.

Range (FS):	m H ₂ O	1	2	5	10	20	50	100	200
Overpressure:		2 times FS							
Accuracy:		0.5% FS							
Stability:		range>20m H ₂ O, 0.2% FS							
		range<20m H ₂ O, 20mm H ₂ O							
Thermal drift:						Zero			Span
		range>10m H ₂ O				0.02% FS/°C			0.05% FS/°C
		range>10m H ₂ O				0.05% FS/°C			0.05% FS/°C
Application temp. range:		-10~80°C							
Storage temp. range:		-40~100°C							
Power supply:		12~28Vdc							
Output signal:		4~20mAdc (2-wire, Loop Powered)							
Load (Ω):		<(Uv-12)/0.02							

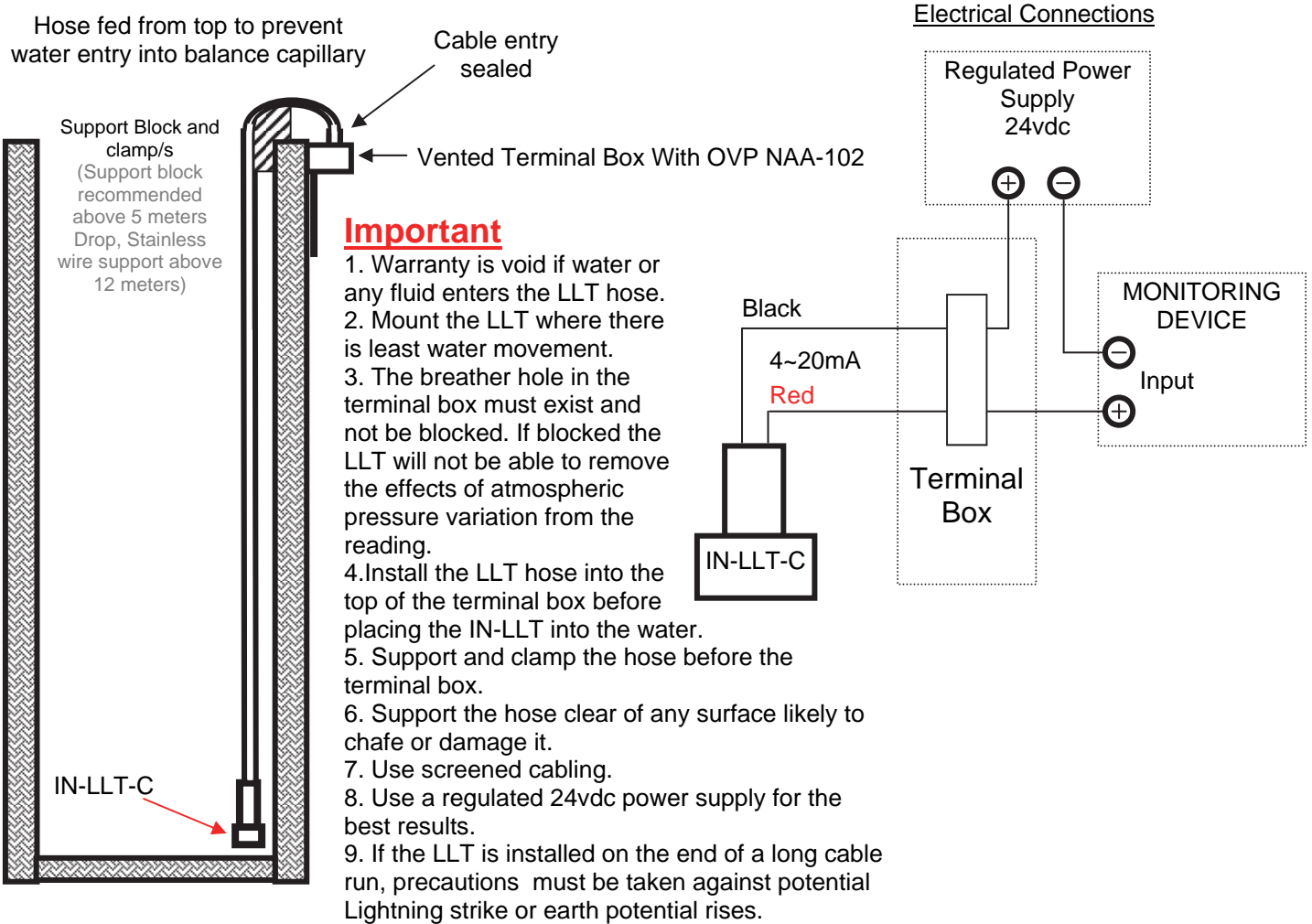
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Warning: These products are not designed for use in, and should not be used for patient connected applications. In any critical installation an independent fail-safe back-up system must always be implemented.

Installation Notes:

1. In the event that IN-LLT-C units are being used with media other than water please ensure that the seals and cable will not be compromised.
2. Two kinds of cable are available; Polyethylene (PE) & Polyurethane (PUR). Polyethylene cable is the stock standard.
3. If the IN-LLT-C is prone to lightning strikes, we strongly recommend the use of the optional LPN-OVP to protect the device.
4. At standard conditions: ($@4^{\circ}\text{C}$, $g=9.80665\text{ m/s}^2$)
 $1\text{mH}_2\text{O} = 0.1\text{kgf/cm}^2 = 9.80665\text{kPa}$
5. For special requirements, please feel free to contact us.

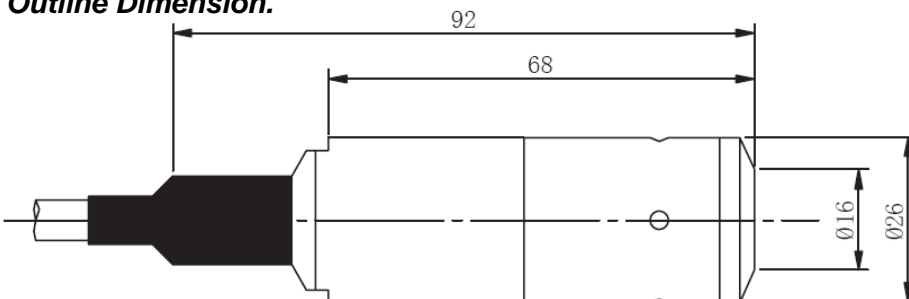
SUBMERSIBLE LIQUID LEVEL TRANSMITTER IN-LLT-C 2 WIRE INSTALLATION INSTRUCTIONS



Construction Material.

Housing: stainless steel 1Cr18Ni9Ti Cable 7.5mm polyethylene cable
 O-ring: Viton Diaphragm: stainless steel 316L
 Rubber casing: NBR Connection box: aluminum-casting (ZL102) (optional)

Outline Dimension.



For more information visit:

www.intech.co.nz/products/pressureandlevel/inlltc/IN-LLT-C-Install.pdf

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