

Level & Temperature Switch / Adjustable

UNS1000-BN18-TC

Features

- ▶ Telescopic Design: Expandable to various length in one unit - field adjustable
- ▶ Compact design
- ▶ NEMA 4, IP65
- ▶ Dual function: Level/Temp

Applications

- ▶ OEM applications
- ▶ Accessories for hydraulic reservoirs
- ▶ Hydraulic oil applications
- ▶ HPU systems
- ▶ Power pack
- ▶ Temperature shut-off for safety control



General Specifications*

Wetted Materials:	
Process Connection:	Brass
Stem:	Brass
Float Stopper:	Bronze
Float:	Foamed NBR (BUNA)
System of Protection:	IP65
Process Connection:	1" NPT = T1NPT
Male thread (top mount):	G1/2" metric = T1/2
Electrical Connection:	Cable $\varnothing$ 4 x 0.25 mm ² Cable gland, PA
Electrical Values:	Max. 24 V AC / DC Max. 1 A Max. 20 VA / W
Operating Temperature:	14 °F to 194 °F (-10 °C to +90 °C)

Operating Pressure:	Atmospheric
Density:	Min. 0.64 g/cm ³
Depth of Immersion at Density 1:	0.59 ±0.08 inch (15 ±2 mm)
Temperature Switch:	Bimetal construction
Temperature Range**:	140°F (+60°C) (Std)
Indexing Tolerance:	±5 K
Differential Gap:	30 ±15 K
Contact:	NC position only (the contact is closed at room temperature)
Switching Points:	1 float for 1 switching point, normally open
Standard:	1 temperature sensor for 1 switching point, normally closed

** Other temperature ranges available upon request.

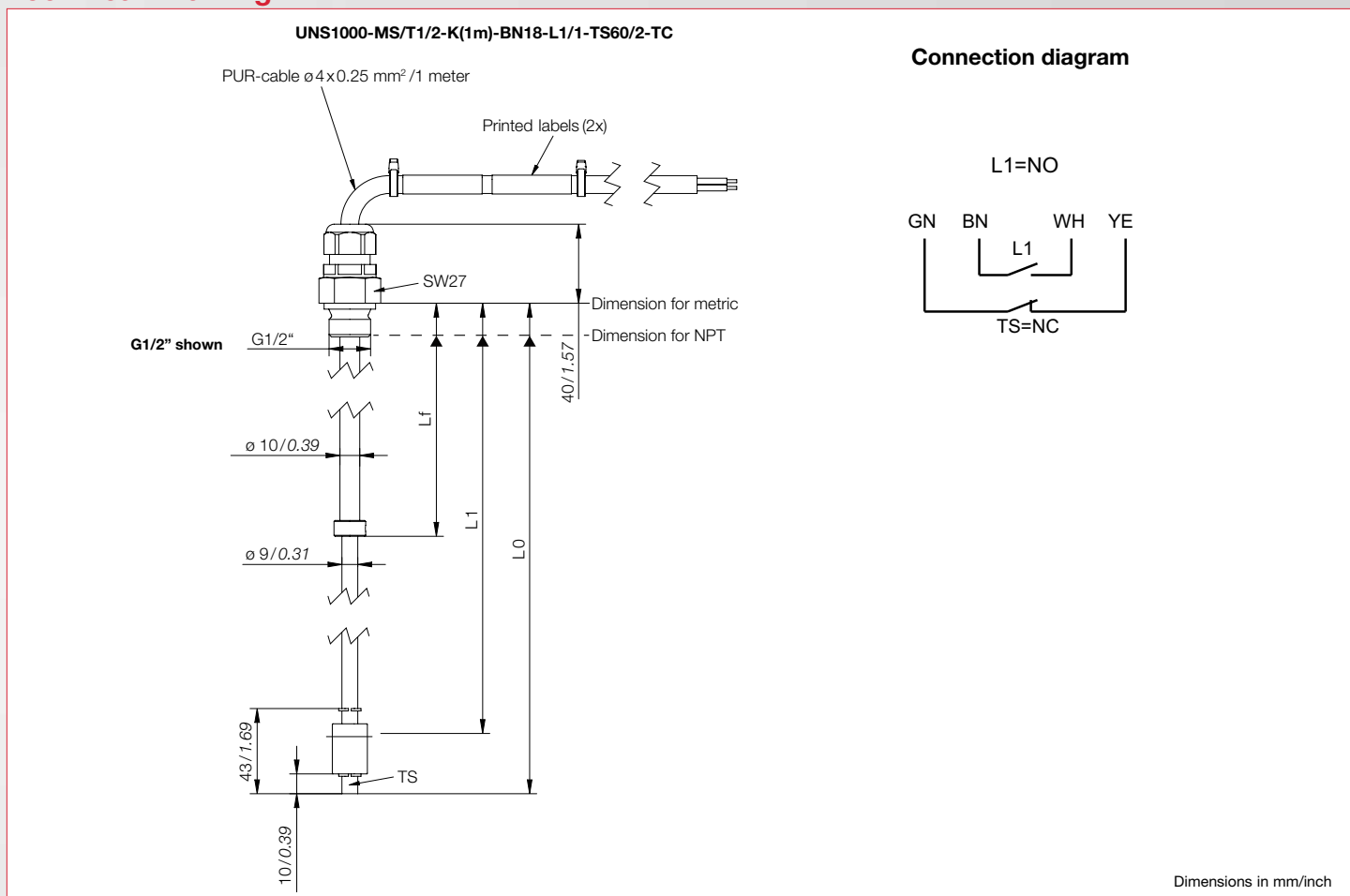
* See Product Configurator for additional options.

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CONTROL PRODUCTS

CRANE Barksdale, Inc./Barksdale GmbH
A Subsidiary of Crane Co.

Technical Drawing



Top Mount Telescopic Level/Temperature Switch

Brass stem, 18mm Buna float, 60°C normally closed temperature SPST switch, normally open level SPST switch, with 1 meter cable.

Order Numbers

UNS1000-MS/T1/2-K1-BN18-L1/1-TS60/2-TC

G1/2 process connection

Order No.	Length L0 [inch/mm]	Length L1 [inch/mm]	Length Lf [inch/mm]	Tolerance [inch/mm]
0112-987	7.48 to 10.24 (190 to 260)	6.30 to 9.06 (160 to 230)	5.71 (145)	0.12 (±3 mm)
0112-988	9.87 to 14.96 (250 to 380)	8.66 to 13.78 (220 to 350)	8.07 (205)	0.12 (±3 mm)
0112-989	14.76 to 24.80 (375 to 630)	13.58 to 23.62 (345 to 600)	12.99 (330)	0.12 (±3 mm)

UNS1000-MS/T1NPT-K1-BN18-L1/1-TS60/2-TC

1" NPT process connection

Order No.	Length L0 [inch/mm]	Length L1 [inch/mm]	Length Lf [inch/mm]	Tolerance [inch/mm]
0112-1108	6.69 to 9.45 (170 to 240)	5.51 to 8.27 (140 to 210)	4.70 (120)	0.12 (±3 mm)
0112-1109	9.06 to 14.17 (230 to 360)	7.87 to 12.99 (200 to 330)	7.28 (185)	0.12 (±3 mm)
0112-1110	13.98 to 24.02 (355 to 610)	12.76 to 22.64 (325 to 575)	12.21 (310)	0.12 (±3 mm)

Further lengths and other temperature switching points are available upon request

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