

Dual Level/Temperature Switch *UNS-MS1/4NPT-BN30/1(2)-TPXX/2*

Formerly Series BLS-810

Features

- ▶ Temperature & level sensing in a single unit
- ▶ Compact size for easy installation
- ▶ Ideal for small tanks & vessels
- ▶ Broad media compatibility
- ▶ Ideal to use in oils and water

Applications

- ▶ Sump tanks
- ▶ Hydraulic power units
- ▶ Storage tanks
- ▶ Solvent recovery systems
- ▶ Lube oil console systems
- ▶ Marine applications
- ▶ Food & beverage applications

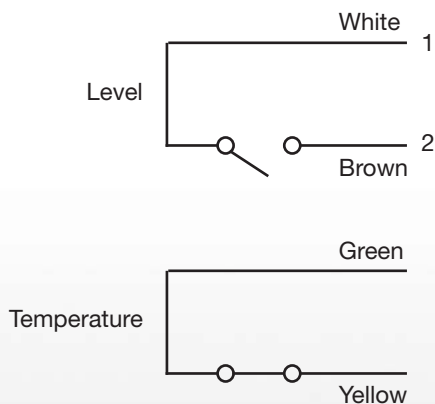


General Specifications*

Switch Rating: SPST:	250/120 VAC/DC, 3A./max 100 VA/W
Temperature:	12 to 24 VDC, max 3 amps
Switch Configuration:	Shipped as Normally Open as standard. Can be changed to Normally Closed by rotating float 180° (For limit switch only).
Contact Mode* :	1- SPST- switch (NO) 2- SPST- switch (NC)
Temperature:	2- NC position only, only available in 122°, 140°, 158°, 176° and 194°F (50°, 60°, 70°, 80° and 90°C)
Wetted Parts: Stem:	Brass (MS)
Float:	NBR Foam (BUNA)
Mounting:	1/4" NPT Male
Electrical Connection:	PVC- cable- max 4 x 0.5mm ² 1m/ length
Minimum Specific Gravity:	
NBR Foam Float:	0.60g / cm ³

Approvals: UL/CSA:	Pending
Operating Temperature:	-4° to +212°F (-20° to + 100°C)- oil -4° to +176°F (-20° to + 80°C)- water
Operating Pressure: NBR Foam: (BUNA)	220 psig (15 bar)
Weight:	Approx. 150 grams (5.3 oz.)

Wiring Color/Code



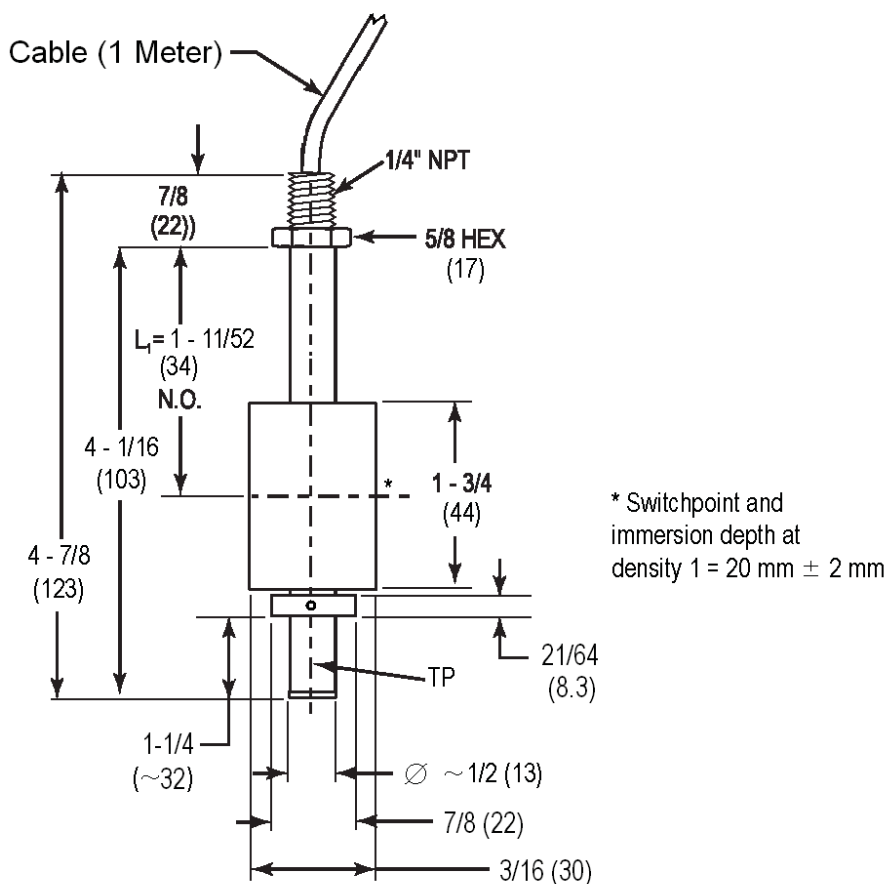
* The contact modes (NO and NC) are defined on the basis of an empty tank and for a level switch mounted through the top.

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Technical Drawing

Dimensions in inch (mm)



Order Number Key / Options

DESCRIPTION:	CONTACT MODE: (Limit switch)	TEMPERATURE MODE:	ORDERING NUMBER:
UNS-MS 1/4 NPT-K1-BN30/ 1(2)- TP50/2	NO ^{1,2}	NC only ³	0111-615
UNS-MS 1/4 NPT-K1-BN30/ 1(2)- TP60/2	NO ^{1,2}	NC only ³	0111-641
UNS-MS 1/4 NPT-K1-BN30/ 1(2)- TP70/2	NO ^{1,2}	NC only ³	0111-616
UNS-MS 1/4 NPT-K1-BN30/ 1(2)- TP80/2	NO ^{1,2}	NC only ³	0111-642
UNS-MS 1/4 NPT-K1-BN30/ 1(2)- TP90/2	NO ^{1,2}	NC only ³	0111-617

¹ Shipped as NO (standard). Rotate float by 180° for NC.

² If NC contact mode is required, then add suffix "-NC" to ordering number (i.e. 0111-611-NC).

³ NO temperature mode available upon request with minimum of 25 pcs. order.