## **Explosion Proof Bourdon Tube**

#### **Features**

- High accuracy, high proof
- Explosion-proof housing ►
- Hermetically sealed
- Tamper-proof setpoint adjustment ►
- Dual set point capability
- UL, CSA, ATEX approved •
- NEMA 4, 7, 9 & IP65

#### Applications

- Power plants
- Water pumps
- Blow out preventers (BOP)
- **Pneumatic devices**
- General industrial applications
- Oil and gas applications

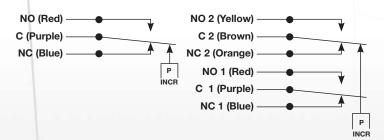


### **General Specifications\***

Electrical Characteristics: Accuracy <sup>1</sup> : Switch: Type:	All models incorporate Underwriters Laboratories, Inc. and CSA Listed single pole double throw snap-action switching elements. ± 1% of the adjustable range Single pole double throw (SPDT) snap action; single or dual circuit
Rating:	3 amps @ 480 VAC (standard)
Wetted Parts: Process Fitting & Bourdon Tube: Enclosure:	316 series stainless steel Die-cast aluminum
Electrical Connection:	Internal terminal strip via conduit connection (1/2" NPT on B1X models, 3/4" NPT on B2X models)
Enclosure Ratings:	NEMA 4, 7, 9
Pressure Connection:	Models with proof pressures up to 7,200 psi: 1/4" NPT Female; Models with higher pressure ranges: Superpressure Fitting for 1/4" O.D. tube
Approvals: UL/CSA (standard): ATEX (optional):	UL File No.#E37043; CSA File No. #LR22354 Hazardous Locations, Class I Division I, Groups B, C, & D; Class II Groups E, F, & G Ex models are ATEX certified per ISSeP 03 ATEX 122XC & marked as follows:
	CE 0081 ⟨ѹ II2 GD EEX d IIC T6, T85°C, IP65 -40°C ≤ Tamb ≤ 75°C

Temperature Range:	$40^{\circ}$ to $125^{\circ}$ 5 ( $40^{\circ}$ to $174^{\circ}$ C)
Operating:	-40° to +165°F (-40° to +74°C)
Adjustment Instructions:	Turn adjustment screw clockwise to lower actuation point (remove protective hex cap to remove adjustment screw)
Options:	<ul> <li>Gold contact Limit switch; 1 A @ 125 VAC</li> <li>1/2" NPT female process connection</li> <li>Cleaned for oxygen service – consult factory for details</li> <li>Adjustable deadband</li> <li>Temperature compensation and pre-cycle</li> <li>Hermetically sealed limit switch</li> </ul>
Shipping Weight:	8.5 lbs. approximate

### Wiring Diagram



\* See product configurator for additional options.
<sup>1</sup> ±1% for 32-110°F; ±2% for > 110°F; -2/+3°F for <32°F</p>

#### ale Bark CONTROL PRODUCTS

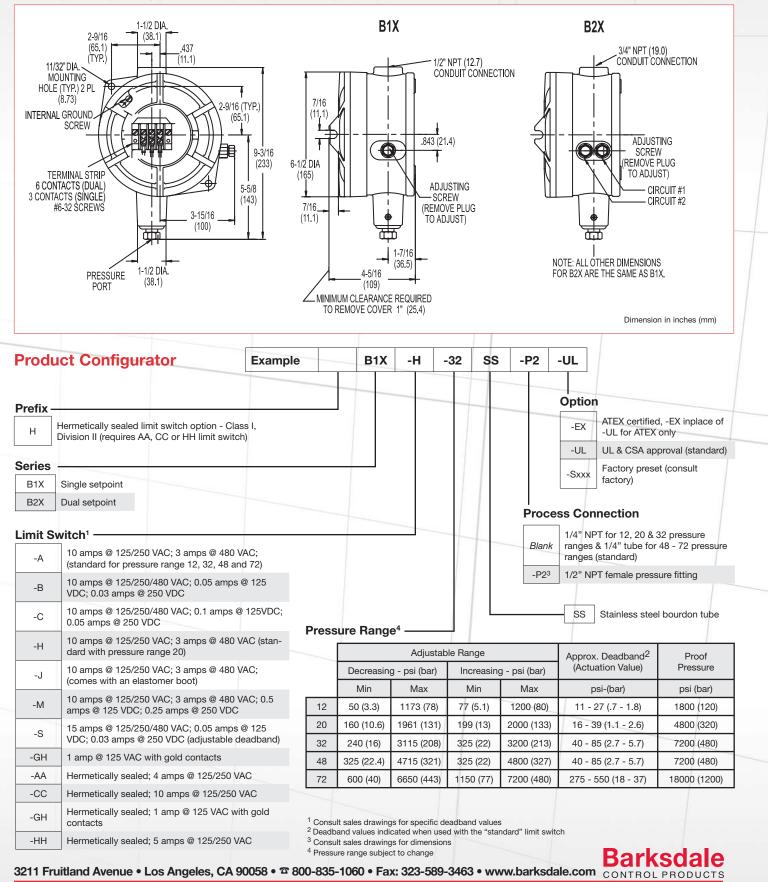
#### CRANE Barksdale, Inc./Barksdale GmbH A Subsidiary of Crane Co.

# Series B1X, B2X

### **Explosion Proof Bourdon Tube**

# Series B1X, B2X

#### **Technical Drawing**



See Barksdale's Standard Conditions of Sale • Specifications are subject to modification at any time • Bulletin #S0077-D • 09/07 • ©2007 • Printed in the U.S.A.