Explosion Proof Bourdon Tube

Features

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

Applications

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



General Specifications*

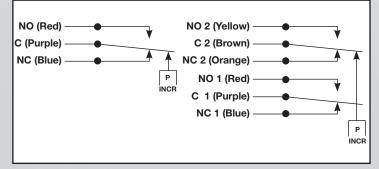
Electrical Characteristics:	All models incorporate Underwriters Laboratories, Inc. and CSA Listed single pole double throw snap-action switching elements.
Accuracy ¹ :	± 1% of the adjustable range
Switch: Type:	Single pole double throw (SPDT) snap action; single or dual circuit
Rating:	3 amps @ 480 VAC (standard)
Wetted Parts: Process Fitting & Bourdon Tube:	316 series stainless steel
Enclosure:	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):	UL File No.#E37043; CSA File No. #LR22354 Hazardous Locations, Class I Division I, Groups B, C, & D; Class II Groups E, F, & G
ATEX (optional):	Ex models are ATEX marked as follows: $\textcircled{\bullet}$ 0081, ISSeP 08 ATEX024X $\textcircled{\bullet}$ II 2G D, Ex d IIC T6Gb Ex tb IIIC T80°C Db IP65 -40°C \leq Tamb \leq +75°C

Temperature Range: Operating:	-40° to +165°F (-40° to +74°C)
Adjustment Instructions:	Remove protective hex cap to remove adjustment screw. Turn main unit adjustment screw clockwise to lower setpoint, counterclockwise to raise setpoint. For optional adjustable actuation value (deadband) models, set the desired DECREASING setpoint first and then turn microswitch adjustment wheel counterclockwise to increase the amount of deadband until the desired INCREASING setpoint is achieved.
Options:	 Gold contact Limit switch; 1 A @ 125 VAC 1/2" NPT female process connection Cleaned for oxygen service – consult factory for details Adjustable deadband Temperature compensation and pre-cycle Hermetically sealed limit switch
Shipping Weight:	Single - approximate 6.0 lbs. Double - approximate 6.5 lbs.

Wiring Diagram

Barksdale CONTROL PRODUCTS

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

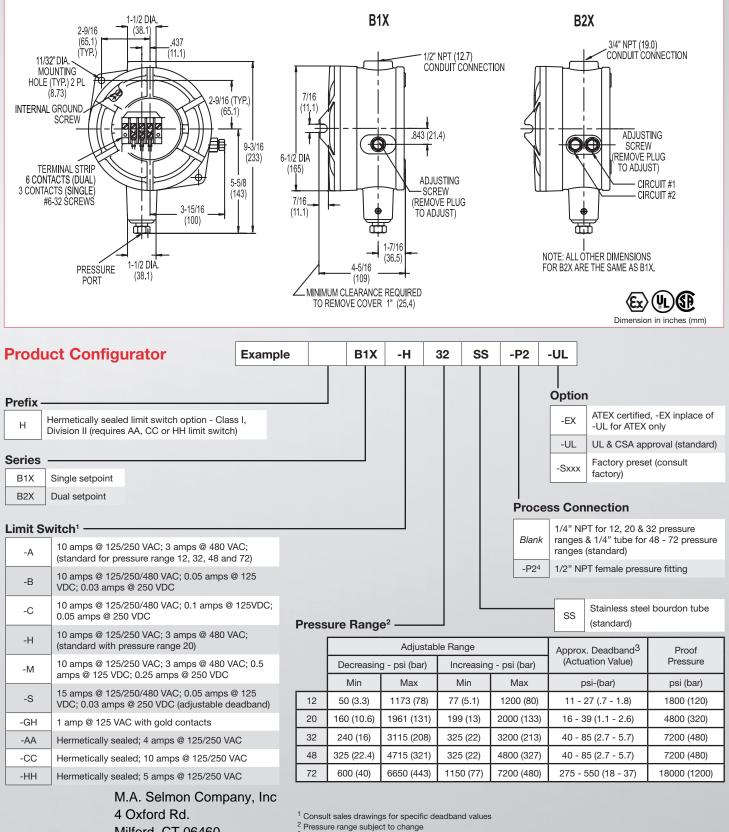


* See product configurator for additional options. ¹ ±1% for 32-110°F; ±2% for > 110°F; -2/+3°F for <32°F

Explosion Proof Bourdon Tube

Series B1X, B2X

Technical Drawing



Milford, CT 06460 203-377-3525

³ Deadband values indicated when used with the "standard" limit switch

⁴ Consult sales drawings for dimensions

3211 Fruitland Avenue • Los Angeles, CA 90058 • 2 800-835-1060 • Fax: 323-589-3463 • www.barksdale.com CONTROL PRODUCTS

See Barksdale's Standard Conditions of Sale • Specifications are subject to modification at any time • Bulletin #S0077-H • 06/15 • ©2015 • Printed in the U.S.A