Bourdon Tube Switch

Series B1S, B2S, B1T, B2T

Features

- High accuracy
- High pressure up to 18,000 psi
- Tamper-proof external adjustment
- Single and dual switching capability
- Water tight housing versions available (NEMA 4)

Applications

- Oil & gas
- Medical applications
- Mining
- Compressors
- Power plants
- Water pumps
- Hydraulic power units
- Pneumatic devices
- General industrial applications

General Specifications*



Electrical Characteristics:	All models incorporate Underwriters Laboratories, Inc. and CSA Listed single pole double throw snap-action switching elements.	Pressure Connection:	Housed models with proof pressure up to 7,200 psi and stripped models with proof pressure up to 6,000 psi; 1/4" NPT female; All higher pressure ranges: superpressure fitting for 1/4" O.D. tube.	
Accuracy ¹ :	\pm 1% of the adjustable range	Approvals:		
Switch: Type:	Single pole double throw (SPDT) snap	UL/CSA (optional):	UL File E42816 CSA: Class 3231 02; File No. 022355-0.000	
Rating:	action; single or dual circuit	Temperature Range: Operating:	-40° to +165°F (-40° to +74 °C)	
	10 amp @ 125/250 VAC 3 amp @ 480 VAC 0.5 amp @ 24 VDC	Adjustment Instructions:	Remove protective hex cap to remove adjustment screw. Turn main unit adjustment screw clockwise	
Wetted Parts: Process Fitting & Bourdon Tube:	316 series stainless steel		to lower setpoint, counterclockwise to raise setpoint. For optional adjustable actuation value (deadband) models, set the desired	
Enclosure:	Anodized aluminum		DECREASING setpoint first and then turn	
Electrical Connection: Stripped Model:	21" Free Leads		microswitch adjustment wheel counterclockwise to increase the amount of deadband until the desired INCREASING setpoint is achieved.	
Housed Model:	Internal terminal strip via conduit con- nection	Options:	-UL/CSA approval (max rating 300 VAC) -NEMA 4X	
Enclosure Ratings: Housed Model:	NEMA 4		-Temperature stabilization and pre-cycle -Cleaned for oxygen service	
* See product configurator for addit ¹ ±1% for 32-110°F; ±2% for > 110	ional options.	Shipping Weight: Stripped Model:	1.5 lbs. approximate	

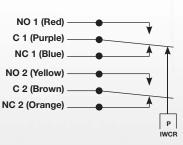
Wiring Code

Lead	Circuit #1	Circuit #2
Normally Closed	Blue	Orange
Common	Purple	Brown
Normally Open	Red	Yellow

Wiring Diagram

Housed Model:





2.5 lbs. approximate

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NCR

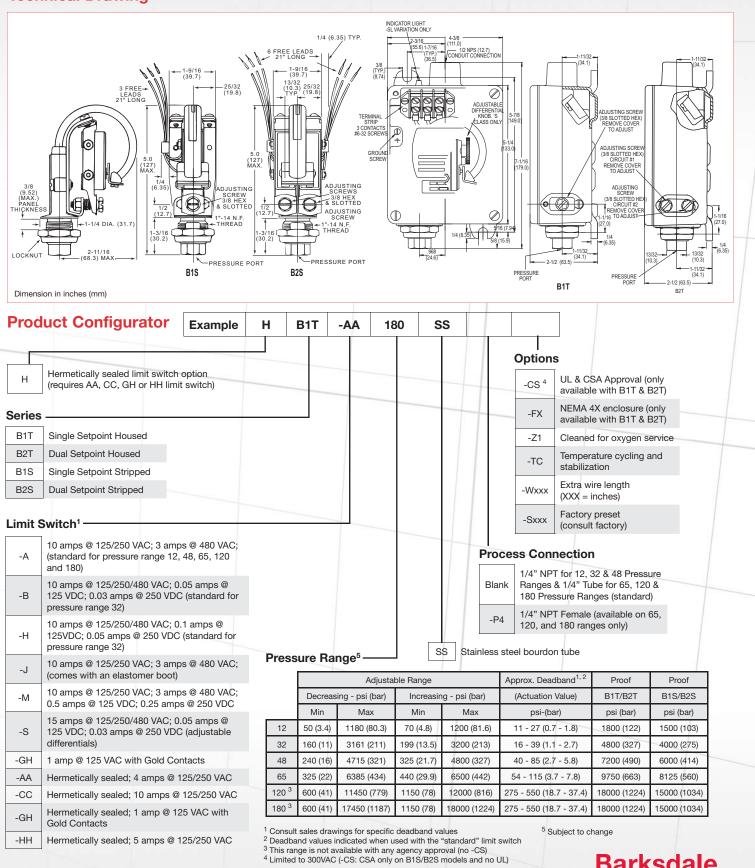
Barksdale CONTROL PRODUCTS

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