**Stripped and Housed Bourdon Tube** 

B1S, B2S, B1T, B2T Series

- High Accuracy
   Tampos proof F
- Tamper-proof External Adjustment
- ♦ Stripped and Housed
  - Versions Available
- ♦ High Proof Pressure
- Dual SwitchingCapability



(H) (E)

Barksdale's Bourdon Tube Pressure Switches offer instrument class accuracy,

making them an ideal solution to your pressure control needs when accuracy is critical.

Built-in over-travel stops allow for higher proof pressures than most other pressure switch tech-

nologies. Setpoints are easily adjusted via an internal adjustment screw. Available in single and dual configurations,

Bourdon Tube Pressure Switches are adaptable for use in a wide range of industrial applications. A variety of limit

switches is available to allow for a multitude of electrical switching conditions. For applications requiring a highly accu-

rate switch in a highly durable package, Bourdon Tube Pressure Switches are the ideal solution.

B1S

### With Barksdale - Pressure's No Problem

As a recognized leader in the manufacture of pressure product solutions, we meet the demanding requirements of our customers.

From 29" Hg to 18,000 psi, Barksdale has pressure switches for a variety of applications – from transformers to natural gas compressors to beverage dispensers – and more!

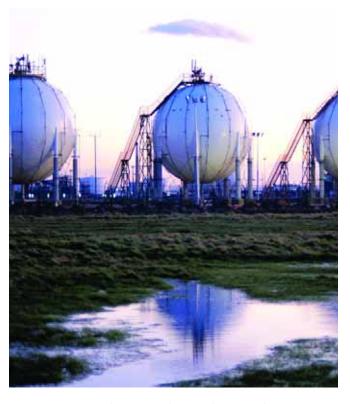
#### Barksdale's Bourdon Tube Pressure Switches

provide an ideal solution for your switching needs in applications requiring high accuracy in a highly durable package. Housed in a rugged, die-cast aluminum enclosure, **Bourdon Tube Pressure Switches** can monitor, control, and switch pressures from 50 to 18,000 psi. Setpoint adjustment is easily accomplished via an integrated internal adjustment screw – no special tools are required – and a tamper resistant cover prevents inadvertent setpoint changes. The **Bourdon Tube Series** is economically priced, and offers time proven technology for the ultimate in accuracy and reliability.

#### **Bourdon Tube Switch Applications**

With its instrument class accuracy and highly reliable design, **Bourdon Tube Pressure Switches** provide an outstanding switching solution for pressures up to 18,000 psi, making them ideal for use in:

- Power Plants
- Water Pumps
- Hydraulic Power Units
- Pneumatic Devices
- General Industrial Applications



#### Need something Special?

If you have special product requirements, we can help. Barksdale specializes in custom design solutions to meet your needs. Our reputation is built on creating custom products for customers committed to getting exactly what they need. We have design engineers and technical specialists who are experts in solving your unique pressure problems. Our technology and resources are at your disposal.

#### Need more information?

Call us. We are only a phone call away. Toll-Free 1-800-835-1060.



**Electrical Characteristics** 

All models incorporate Underwriters Laboratories, Inc. and CSA Listed single pole double throw snap-action switching elements.

**Performance Characteristics** 

Accuracy Switch

± 0.5% of the adjustable range

Type

SPDT Snap Action; single or dual circuit

10 Amp @ 125/250 VAC Rating 3 Amp @ 480 VAC 0.5 Amp @ 24 VDC

**Physical** 

**Shipping Weight** 

Stripped Model 1.5 lbs. approximate **Housed Model** 2.5 lbs. approximate

Wetted Parts

**Process Fitting &** 

**Bourdon Tube** 316 Series Stainless Steel **Enclosure Anodized Aluminum** 

Ratings

Stripped Model NEMA 4 **Housed Model** NEMA 1

**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" NPT tube.

**Electrical Connection** 

21" Free Leads Stripped

Housed Internal terminal strip via conduit

connection

#### **Approvals**

UL Available upon request (consult factory) **CSA** Available upon request (consult factory)

#### **Environmental**

Temperature Range

Operating -20° to +165°F (-29° to +74 °C) -40° to +200°F (-40° to +93 °C) Storage

**Adjustment Instructions** 

Turn adjustment screw clockwise to lower setpoint, counterclockwise to raise setpoint

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

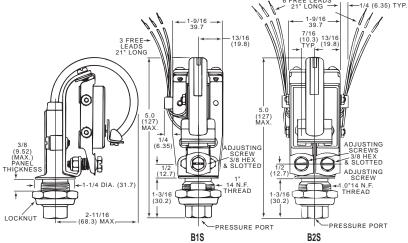
#### **Consult Factory for These Options**

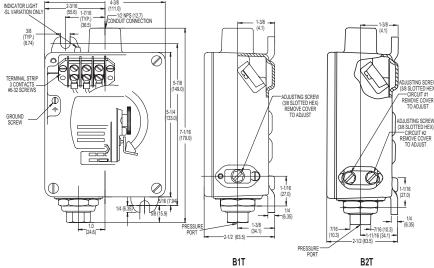
NEMA 4X

Temperature stabilization and pre-cycle

Cleaned for Oxygen Service

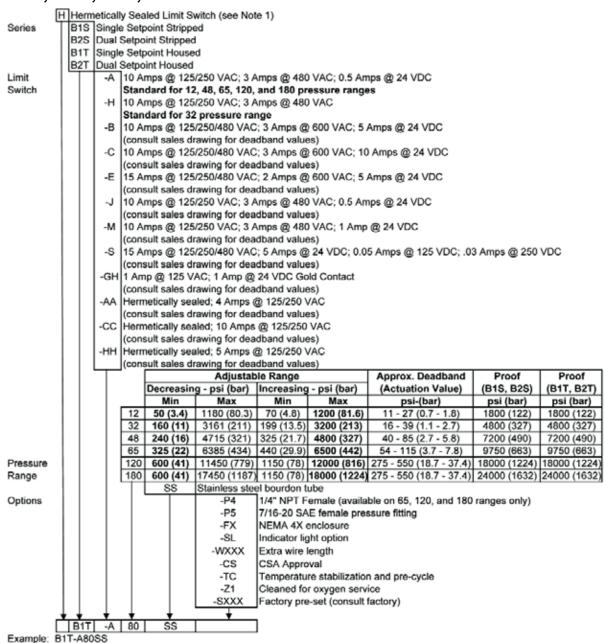
Indicator light (UL and CSA approval not available on this option)





#### **Stripped and Housed Bourdon Tube**

### B1S, B2S, B1T, B2T Series



Miscellaneous:

Paper Tag \$5.00 Metal Tag: \$10.00

#### NOTE:

Hermetically sealed option requires Class AA, HH, CC, or GH limit switch.
 Consult sales drawing for adjustable ranges, deadband, and electical ratings.



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