# **Econ-O-Trol Switch**

### **Features**

- Superior resolution
- Long life
- Easy setpoint adjustment
- Ideal for pressure or vacuum applications
- NEMA 1, 3 & 4
- Stripped and housed versions available

### **Applications**

Accuracy:

Switch:

Type:

Rating:

Enclosure:

- Medical equipment
- Metal working

Steel mills

Pump & compressor monitoring Food & beverage

± 2% of the adjustable range

- Air proving in HVAC systems
- Irrigation systems
- Engine monitoring
- Machine tools
- Water & sewage treatment facilities
- Pulp & Paper Mills

## **General Specifications\***

#### Single pole double throw (SPDT) snap action; single circuit Class H limit switch: 10 amps @ 125/250 VAC; 3 amps @ 480 VAC; 0.5 amps @ 24 VDC (standard). Wetted Parts: Process Fitting: Anodized aluminum (standard) Seals & Diaphragms: Buna-N (standard) Anodized aluminum (housed models) **Electrical Connection:** Stripped Models: Screw terminals Housed models: Screw terminals via 1/2" NPT female

	conduit connection	
Enclosure Ratings: Stripped models:	NEMA 1	
Housed models:	NEMA 4 & IP65	
Pressure Connection: Stripped models:	1/2" NPT external with 1/8" NPT internal	
Housed models:	1/4" NPT female	
Approvals: UL:	Stripped models: UL recognized component (UR) Housed models: UL listed. File No. E42816	
CSA:	All models and modifications shown are CSA listed under Guide 380-W-1.16, Class 3231, File LR22355	
PED (European):	Compliant to PED 97/23/EC	

Banana Co	
E1H	
	tights

# E1S Temperature Range: Operating: -20° to +165°F (-29 to +74°C)

operating.	-20 10 +103 1 (-23 10 +74 0)
Adjustment Setpoint: Positive Pressure:	Turn self locking adjustment nut clockwise to increase setpoint; counterclockwise to decrease setpoint.
Vacuum:	Turn self locking adjustment nut counterclockwise to increase setpoint, clockwise to decrease setpoint (towards 30" Hg).
Adjustable Deadband (Optional):	Turn small self locking adjustment nut on limit switch counterclockwise to increase differential. As the differential is increased, the setpoint is also increased. Balance one adjustment against the other to obtain the desired setpoint.
Options:	-Plastic cover (stripped models only) -NEMA 4X enclosure (housed models only) -Cleaned for oxygen service -Manual reset -Adjustable deadband
Shipping Weight: Housed models:	1.5 lbs. approx.
Stripped models:	0.75 lbs. approx.

## Wiring Diagram



See product configurator for additional options.

# E1S, E1H Series



## **Econ-O-Trol Switch**

# E1S, E1H Series

#### **Technical Drawing**



3211 Fruitland Avenue • Los Angeles, CA 90058 • 2800-835-1060 • Fax: 323-589-3463 • www.barksdale.com CONTROL PRODUCTS

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