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:

- Medical equipment
- Metal working
- Food & beverage
 - Steel mills
- Irrigation systems
- Engine monitoring
- Machine tools
- Water & sewage treatment facilities

± 2% of the adjustable range

Pump & compressor monitoring

• Air proving in HVAC systems

Pulp & Paper Mills

General Specifications*

Accuracy.		Operating:	-20° to +165°F (-29 to +74°C)
Switch: Type:	Single pole double throw (SPDT) snap	Adjustment Setpoint:	20 10 +100 1 (20 10 +14 0)
Type.	action; single circuit	Positive Pressure:	Turn self locking adjustment nu increase setpoint; counterclock
Rating:	Class H limit switch: 10 amps @ 125/250		setpoint.
	VAC; 3 amps @ 480 VAC; 0.5 amps @ 24 VDC (standard).	Vacuum:	Turn self locking adjustment nu
Wetted Parts:			counterclockwise to increase s clockwise to decrease setpoint
Process Fitting:	Anodized aluminum (standard)		Hg).
Seals & Diaphragms:	Buna-N (standard)	Adjustable Deadband	Turn small self locking adjustm
Enclosure:	Anodized aluminum (housed models)	(Optional): switch counterclockwise to in As the differential is increased	
Electrical Connection: Stripped Models:	Screw terminals		also increased. Balance one a the other to obtain the desired
Suipped Models.		Options:	
Housed models:	Screw terminals via 1/2" NPT female conduit connection		-Plastic cover (stripped models -NEMA 4X enclosure (housed r -Cleaned for oxygen service
Enclosure Ratings:			-Manual reset
Stripped models:	NEMA 1		-Adjustable deadband
Housed models:	NEMA 4 & IP65	Shipping Weight: Housed models:	1.5 lbs. approx.
Pressure Connection:			
Stripped models:	1/2" NPT external with 1/8" NPT internal	Stripped models:	0.75 lbs. approx.
Housed models:	1/4" NPT female	Wiring Diagram	
Approvals:			
UL:	Stripped models: UL recognized component (UR)	Писсоцию	Veeuum
	Housed models: UL listed. File No. E42816	Pressure	Vacuum
		NO — • — —	

All models and modifications shown are

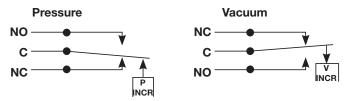
3231, File LR22355

Compliant to PED 97/23/EC

CSA listed under Guide 380-W-1.16, Class

E1H E1S

(SPDT) snap mps @ 125/250 0.5 amps @ 24	Adjustment Setpoint: Positive Pressure:	Turn self locking adjustment nut clockwise to increase setpoint; counterclockwise to decrease setpoint.
dard)	Vacuum:	Turn self locking adjustment nut counterclockwise to increase setpoint, clockwise to decrease setpoint (towards 30" Hg).
sed models)	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.
NPT female	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.
8" NPT internal	Stripped models:	0.75 lbs. approx.
	Wiring Diagram	
gnized		



See product configurator for additional options.

CSA:

PED (European):



Temperature Range:

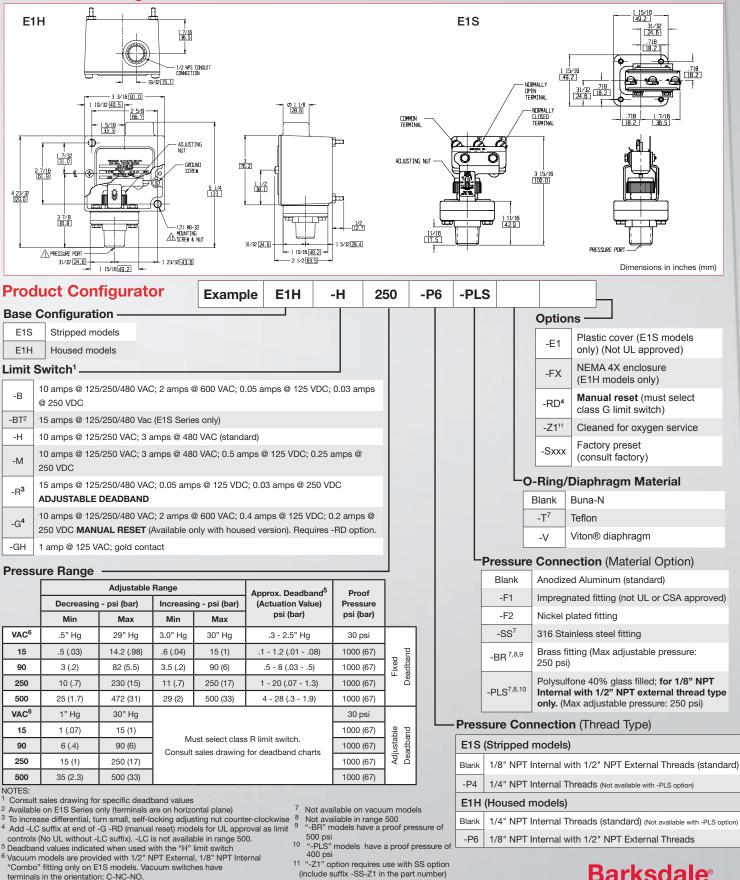


E1S, E1H Series

Econ-O-Trol Switch

E1S, E1H Series

Technical Drawing



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