

Econ-O-Trol Switch

Series E1S, E1H

Features

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

Applications

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

- Metal working
- Food & beverage
- Steel mills



E1S

General Specifications*

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Accuracy:	± 2% of the adjustable range
Switch: Type:	Single pole double throw (SPDT) snap action; single circuit
Rating:	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)
Enclosure:	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

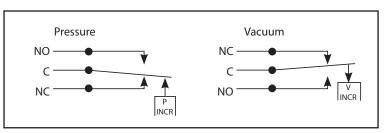
Adjustment Setpoint: Positive Pressure: Turn self locking adjustment nut clockwise to increase setpoint; counterclockwise to decrease setpoint. Vacuum: Turn self locking adjustment nut counterclockwise to increase setpoint, clockwise to decrease setpoint (towards 30" Hg). Adjustable Deadband Turn small self locking adjustment nut on limit (Optional): 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) -Manual reset -Adjustable deadband Shipping Weight: Housed models: 1.5 lbs. approx. Stripped models: 0.75 lbs. approx.

-20° to +165°F (-29 to +74°C)

Wiring Diagram

Temperature Range:

Operating:



 $[\]ensuremath{^*}$ See product configurator for additional options.

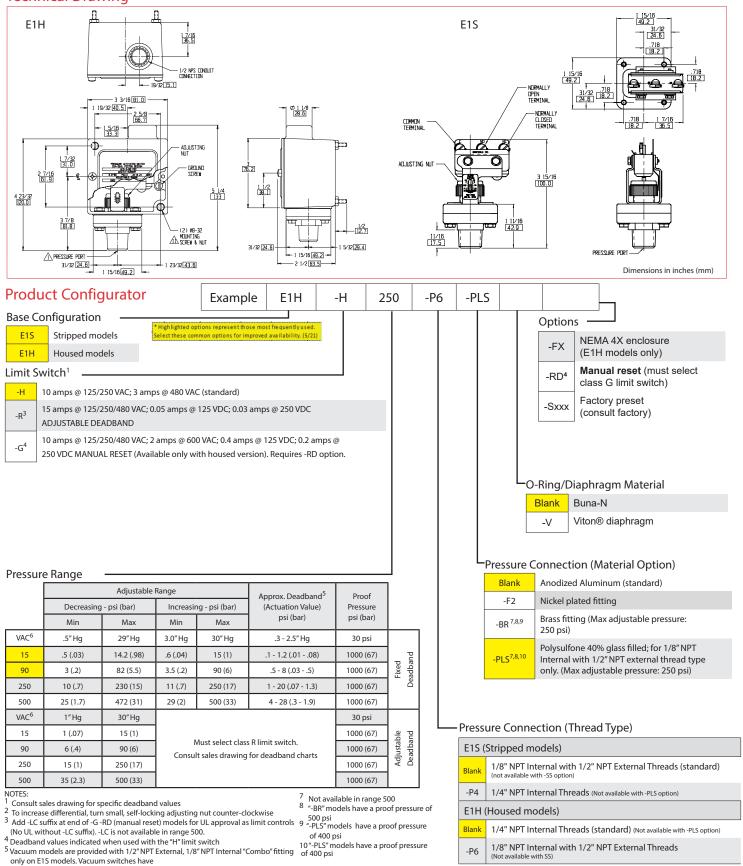


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terminals in the orientation: C-NC-NO.



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