SP SA

Stripped models only

Pressure or Vacuum - Econ-O-Trol

E1S, E1H Series

F1H

E1S

Barksdale :

Superior ResolutionSuperior ResolutionConstantConstantStripped and HousedVersions AvailableVersions AvailableStripstontAdjustmentAdjustmentStripstontVacuumStripstontStripst

he E1S and E1H Econ-O-Trol Pressure Switches deliver powerful performance in a compact, economical package. Available in corrosion resistant thermoplastic or die cast aluminum, this switch measures, controls and switches pressures from vacuum to 500 psi. A snap action micro-switch eliminates the inconsistent operation of floating contacts found in similar designs. This UL recognized and CSA listed switch can be used for high and low limit control, safety shutdown and alarm functions for most industrial equipment applications. NSF approvals make these pressure switches are an ideal choice for pressure control in demanding food and beverage applications. When the application is critical and space is limited, the Barksdale E1S and E1H Econ-O-Trol Pressure Switches are the ideal choice to meet your requirements.



SCA Exceeding Your Expectations Through Our People, Products and Performance

With Barksdale - Pressure's No Problem

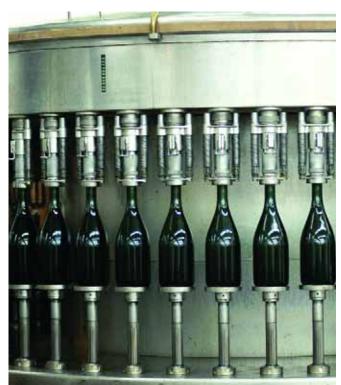
As a recognized leader in the manufacture of pressure product solutions, we meet the demanding requirements of our customers. From 29" Hg to 18,000 psi, Barksdale has pressure switches for a variety of applications – from transformers to compressors to beverage dispensers – and more!

Barksdale's E1S and E1H Econ-O-Trol Series Pressure Switches provide an economical solution for your pressure sensing needs. Available in both stripped (E1S) and housed (E1H) versions, this versatile switch controls pressures from vacuum to 500 psi. Setpoint adjustment is easily accomplished via an integrated adjustment knob – no special tools are required. Adjustable deadband is available as a standard option, allowing for even more flexibility to meet your special application requirements.

Econ-O-Trol Applications

With its economical design and repeatability of 2% of full scale, the E1S and E1H Econ-O-Trol Series Pressure Switches provide an accurate and reliable solution for pressures up to 500 psi, making them ideal for use in:

- Pump & Compressor Monitoring
- Air Proving in HVAC Systems
- Irrigation Systems
- Engine Monitoring
- Machine Tools
- 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. listed single pole double throw snap-action switching elements

Performance Characteristics

Accuracy Switch Type Rating

+/- 2.0% of the adjustable range

SPDT Snap Action; single circuit With Class H limit switch (standard): 10 Amps @ 125/250 VAC; 3 Amps @ 480 VAC; 0.5 Amps @ 24 VDC. See Configurator for ratings of optional limit switches.

Physical

Shipping Weight Stripped Versions Housed Versions Wetted Parts **Process Fitting** Seals & Diaphragms

Enclosure Ratings

Pressure Connection

Electrical Connection Stripped Models: Housed Models:

Approvals

UL

CSA

PED (European) Environmental

Temperature Range Operating

0.75 lbs. approximate 1.5 lbs. approximate

Andonized Aluminum (Standard) Buna-N (Standard) Consult Sales drawing for other materials Anodized Aluminum (housed models) Stripped Models: NEMA 1 Housed Models: NEMA 4 & IP65 Stripped Models: 1/2" NPT External with 1/8" NPT Internal Housed Models: 1/4" NPT Female

Screw Terminals Screw Terminals via 1/2" NPT Female Conduit Connection

Stripped Models: UL Recognized component (UR) Housed Models: UL Listed. File No. E42816 All models and modifications shown are CSA listed under Guide 380-W-1.16, Class 3231, File LR22355 Compliant to PED 97/23/EC

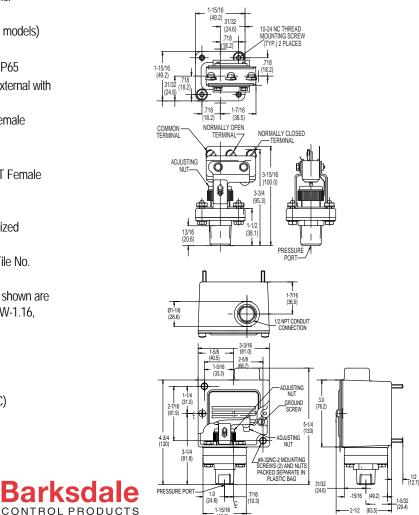
-20° to +165°F (-29 to +74°C)

Adjustment Instructions

Pressure Setpoint	
Positive Pressure	Turn self locking adjustment nut clockwise to increase setpoint; counterclockwise to decrease setpoint.
Vacuum	Turn self locking adjustment nut clockwise to increase setpoint, counterclockwise to decrease setpoint
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
Consult Factory for These Options	
Plastic cover (Stripped models only)	

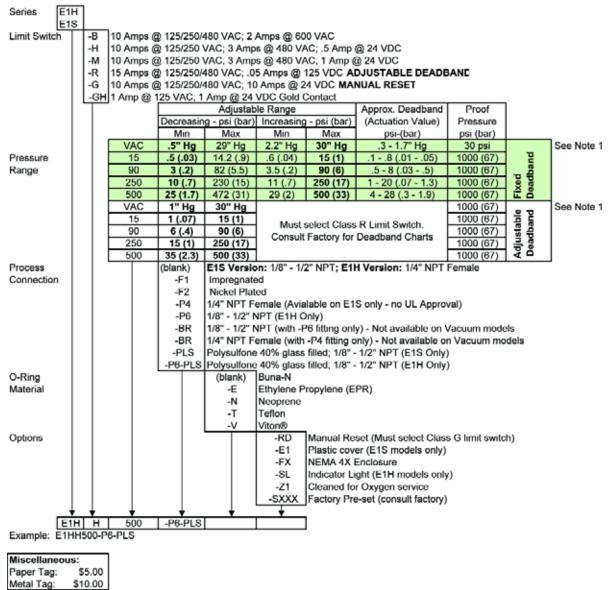
Con

Plastic cover (Stripped models only) NEMA 4X enclosure (Housed models only) Indicator light - indicates when limit switch is actuated (Housed models only) Cleaned for Oxygen service Manual Reset



Pressure or Vacuum - Econ-O-Trol

E1S, E1H Series



NOTE:

1. Vacuum models are provided with 1/2" NPT External, 1/8" NPT Internal "Combo" fitting only.

