

SEACON

SEACON ADVANCED PRODUCTS, LLC PRODUCT DATASHEET

LIMIT SWITCHES



Limit Switches

DESCRIPTION

SEACON offers a variety of Limit Switches to meet demanding needs. Limit Switches are designed to give a signal to a control system when a moving component like an overhead door or piece of machinery has reached the end point (or limit) of its travel or just a specific point of its journey.

KEY FEATURES

- Load capacities
 - Light duty (LD - 1 amp)
 - Standard Duty (SD - 7 amps)
- AU series (SST) switches are rated to 6,000 psi (4,000m) and available in LD and SD

MATERIALS

- 316 Stainless steel - AU-LS, AU-LS 10K
- Titanium - AU-LS

QUALITY

- SEACON Advanced Products, LLC operate a Quality Management System certified to ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007.





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CONFIGURATIONS

- AU Series, AU-LS, AU-LS 10K
- Mounting type:
- 3/4" - 16 UNF for AU
 - Molded cable available for all series
 - PBOF available for AU series
 - Bulkhead available for AU series

DESIGN RATINGS & TESTING

- Pressure Rating:
 - 6,000 psi - AU, AU-LS
 - 10,000 psi - AU-LS 10K
- Power load:
 - Light Duty = 1 amp (115 VAC/28 VDC)
 - Standard Duty = 7 amps (115 VAC/28 VDC)
- Minimum cycles: All series greater than 50,000
- Button options: Large (1.5 in), Medium (0.65 in), Small (0.375 rad.) - Available for AU-LS
- Standard temperature range: -40° to +175°F available for AU-LS and AU-LS 10K

OPERATION

- Full stroke of Plunger:
 - AU series - 0.38 in. max (9.65 mm)

PRINCIPLE OF OPERATION

A **Limit Switch** uses a mechanism moving against a spring to move a magnet which is then placed either in attraction or repulsion, to open or close an electrical circuit. All switches are single pole double throw.

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