

PRODUCT DATASHEET

LIMIT SWITCHES



Limit Switches

DESCRIPTION

SEA CON® 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 switches are rated to 6,000 psi (4000 m) and available in LD and SD

MATERIALS

- 316 Stainless steel - AU, AU-LSW, AU-LS 10K
- Titanium - AU, WT-90, AU-LS 10K, AU-LSW

QUALITY

- **SEA CON** Advanced Products, LLC operate a Quality Management System certified to ISO 9001:2008.



SEA CON Advanced Products, LLC.

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SAPL-DS-0020

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Rev 5

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CONFIGURATIONS

- AU Series, WT-90, AU-LSW, AU-LS 10K.
Mounting type:
 - 3/4" - 16 UNF for AU
 - Molded cable available for all series
 - Oil filled cable available for AU series

DESIGN RATINGS & TESTING

- Pressure Rating:
 - 6,000 psi - AU, WT-90 and AU-LSW
 - 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 (.65 in), Small (.375 rad.) - Available for AU and WT-90 series 1.5 and .375
- Standard temperature range: -65° to +400°F available for AU, WT-90, AUL-SW and AU-LS 10K

OPERATION

- Full stroke of Plunger:
 - AU series and WT-90 - 0.4 in. (10.2 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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