

# Hercules Anti-Trip - O Shield



**NEMA Type 2, 4 & 13**  
**UL ENCLOSURE 2, 4 & 13**  
**CSA ENCLOSURE 2, 4 & 13**  
**EN 60529 Degree of Protection IP56**

**Drip tight • Dust tight • Watertight • Oil tight**  
**ADVANCED DESIGN HELPS PREVENT ACCIDENTAL ACTUATION**

**Materials of Construction:**

- Treadle and housing constructed from cast iron for strength and durability
- Protected by a strong cast aluminum Shield
- Special AirVal models available to the O.E.M. on special order
- Painted Alert Orange
- Single 3/4"-14 N.P.T. threaded conduit entry is standard

**Features & Benefits:**

- Heavy duty foot switch features an anti-trip treadle mechanism that helps prevent accidental actuation through unintentional stepping on foot treadle
- Switch operation requires that the latch trip lever be released prior to depressing the foot treadle as in-line foot pressure is applied to the latch trip lever located at the rear of the foot treadle
- Smooth trip lever release and treadle depression motion results in good rate of operation
- Dual treadle return springs and latching mechanism
- Anti-skid rubber feet and 3 holes for rigid mounting to floor or equipment
- All Models have a neoprene Cover Gasket plus O-Rings on the Actuating shaft and separate ground screw

**Options:**

- Oversize "O" and "OX" Shield models accept oversized safety shoes and metatarsal foot guards. The "OX" Shield has an additional 3/4" (19.1 mm) opening height as compared to the "O" shield
- Special Dual 1/2"-14 N.P.T. threaded conduit entry and metric sizes available to the O.E.M. on special order
- Special Twin & Triple models available to the O.E.M. on special order
- Gated Models available for additional protection (See "Hercules Anti-Trip - Gated..." on pages 24 & 25 for details)
- RF Wireless models are available (See "RF Wireless Hercules" on page 83 for details)



SIZE (HxWxD):	5.31 x 5.88 x 9.13 In.
WEIGHT:	8.00 lbs.

For Dimension Drawings visit [www.linemaster.com](http://www.linemaster.com) and click on Line Drawings located under the Guides & Literature Tab

**⚠ WARNING SEE PRODUCT WARNING ON PAGE 103**

SPECIFICATIONS (Special variations are available to the O.E.M. on special order on the models listed below)

AGENCY APPROVALS	EN 60529 Degree of Protection	CATALOG NUMBER	DESCRIPTION	STAGE	CIRCUIT	FORM	ELECTRICAL RATINGS
UL, UL, UL	IP56	511-BO	Momentary	Single	SPDT	C	20 A 125-250 VAC 1 H.P. 125-250 VAC Heavy Pilot Duty 250 VAC Max.
UL, UL, UL	IP56	511-B2O <sup>1</sup>	Momentary	Single	DPDT	C	
UL, UL, UL	IP56	511-B2OA	Momentary	Two	SPDT	C	
UL, UL, UL	IP56	511-B2OAC <sup>2,3</sup>	Momentary	Two	SPDT	C	
UL, UL	IP56	511-B3O	Momentary	Single	SPDT DB <sup>2</sup>	Z	15 A 125-250 VAC 1/2 H.P. 125 VAC 1 H.P. 250 VAC Heavy Pilot Duty 250 VAC Max.
UL, UL	IP56	511-B4O <sup>1</sup>	Momentary	Single	DPDT DB <sup>2</sup>	Z	
UL, UL	IP56	511-B4OA	Momentary	Two	SPDT DB <sup>2</sup>	Z	

<sup>1</sup>One pole of these models has an adjustable actuating mechanism that enables you to make or break one pole before the other. EXAMPLE: You can break the N.O. Circuit long before you would remake a N.C. Circuit in a 511-B2.

<sup>2</sup>DB Double Break models must be wired to equal voltage sources and the same polarity. The loads should be on the same sides of the line. <sup>3</sup>"C2" designates dual 1/2" - 14 NPT conduit entry.