

## HERCULES ANTI-TRIP HEAVY DUTY INDUSTRIAL CONTROL



**Hercules Anti-Trip Footswitch  
Full Shield Model**



**Hercules Anti-Trip Footswitch  
O Gated Shield Model**



**Hercules Anti-Trip Footswitch  
OX Shield Model**

### Environmental Ratings:

NEMA Type 2, 4 & 13  
UL ENCLOSURE 2, 4 & 13  
CSA ENCLOSURE 2, 4 & 13  
EN 60529 Degree of Protection IP56  
Driptight - Dusttight - Watertight - Oiltight

ADVANCED DESIGN HELPS PREVENT ACCIDENTAL ACTUATION

### Key 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. An 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.
- Oversize "O" Shield models accept oversized safety shoes and metatarsal foot guards.
- 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 models available to the O.E.M. on special order.
- 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.
- Dual treadle return springs and latching mechanism.
- Anti-skid rubber feet and 3 holes for rigid mounting to floor or equipment.
- All LINEMASTER foot switches can be CE marked.

Size: 9" x 5-3/4" x 4-3/4"

Weight: Approx. 8 lbs

# SPECIFICATIONS

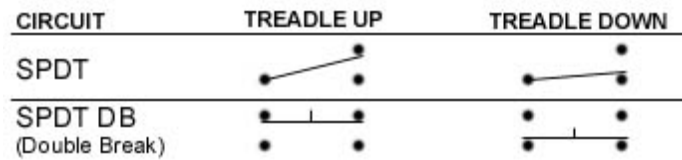
(Special variations are available to the O.E.M. on special order on the models listed below)



	FULL SHIELD	"O" SHIELD	"OX" SHIELD	WITH GATE	"OX" WITH GATE	STAGE	CIRCUIT	FORM	ELECTRICAL RATINGS
	<b>511-B</b>	<b>511-BO</b>	<b>511-BOX</b>	511-BG	511-BOXG	Single	SPDT	C	20 A 125-250 VAC
	<b>511-B2*</b>	511-B2O*	511-B2OX*	511-B2G*	511-B2OXG*	Single	DPDT	C	1 H.P. 125-250 VAC
	511-B2A	511-B2OA	511-B2OXA	<b>511-B2GA</b>	511-B2OXGA	Two	SPDT	C	Heavy Pilot Duty 250 VAC Max.
	511-B3	511-B3O	511-B3OX	511-B3G	511-B3OXG	Single	SPDT DB±	Z	15 A 125-250 VAC
	511-B4*	511-B4O*	511-B4OX*	511-B4G*	511-B4OXG	Single	DPDT DB ±	Z	1/2 H.P. 125 VAC
	511-B4A	511-B4OA	511-B4OXA	511-B4GA	511-B4OXGA	Two	SPDT DB±	Z	1 H.P. 250 VAC
									Heavy Pilot Duty 250 VAC Max.

**BOLD COPY INDICATES STOCK ITEM**

### EXAMPLE OF CIRCUIT DESCRIPTIONS

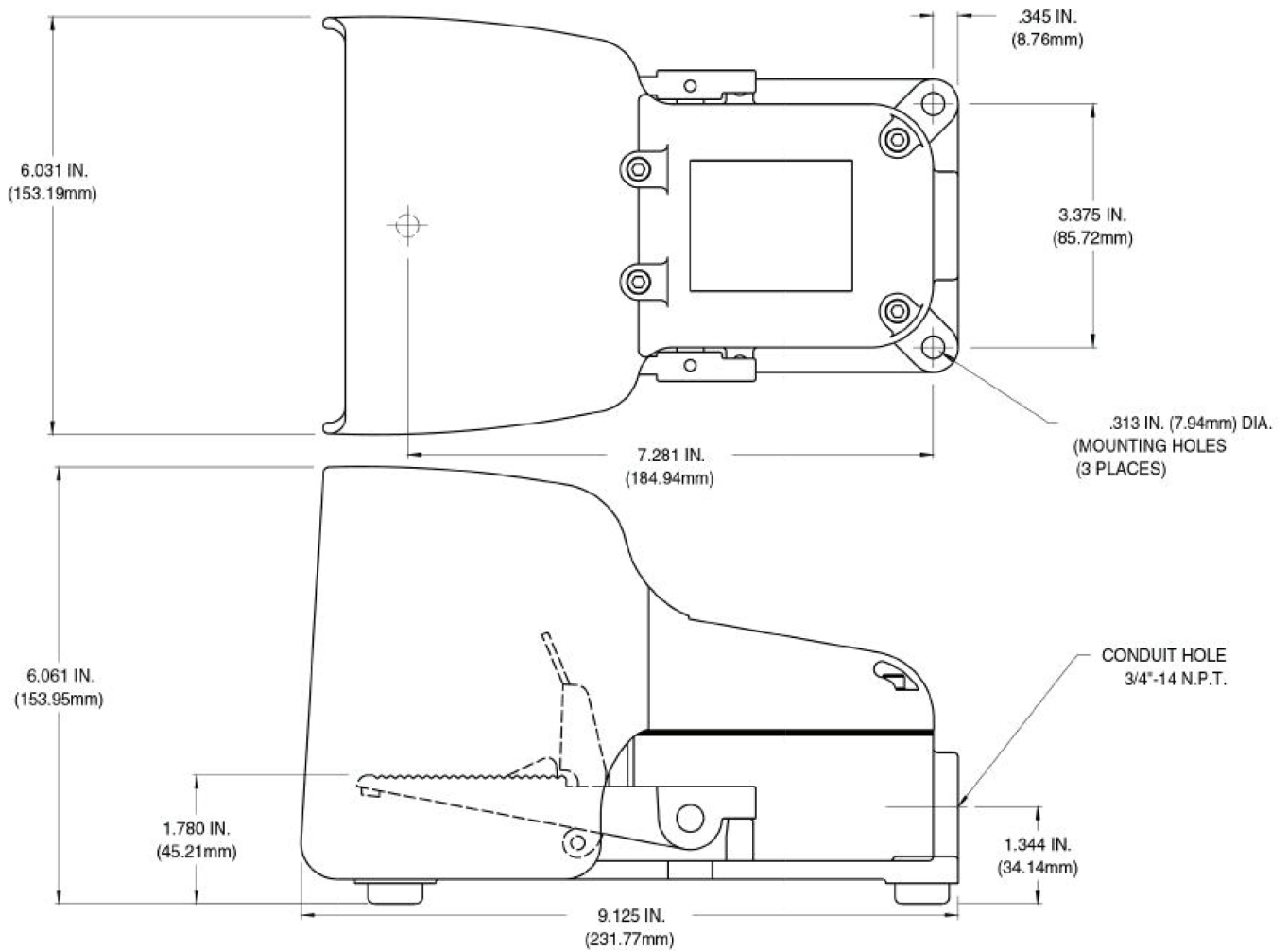


\*One pole of these models has an adjustable actuating mechanism that enables you to make or break one pole before the other. **EXAMPLE:** You can break the N.O. Circuit long before you would remake a N.C. Circuit in a 511-B2.

±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.

# Hercules Anti-Trip "OX" Shield Model

NOTE: ALL DIMENSIONS ARE FOR REFERENCE ONLY.



# Hercules Anti-Trip - Gated O Shield



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



***Driptight • Dusttight • Watertight • Oiltight***  
**ADVANCED DESIGN HELPS PREVENT ACCIDENTAL ACTUATION**

### Materials of Construction:

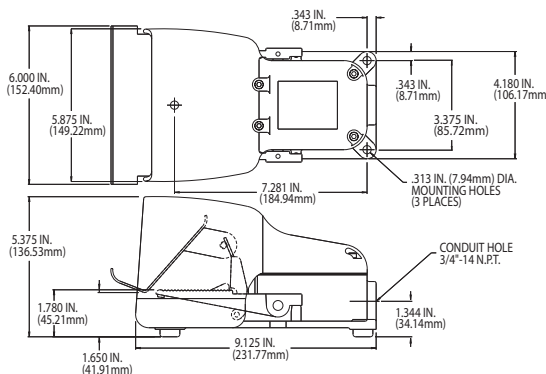
- Treadle and housing constructed from cast iron for strength and durability
- Protected by a strong cast aluminum Shield
- Special AirVal models available to the O.E.M. on special order
- Painted Alert Orange
- Single 3/4"-14 N.P.T. threaded conduit entry is standard

### 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 models available to the O.E.M. on special order
- Twin and triple models available - Special Order



SIZE (HxWxD):	5.38 x 6.00 x 9.13 In.
WEIGHT:	8.00 lbs.

### **WARNING** SEE PRODUCT WARNING ON PAGE 8

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, IEC, NEMA	IP56	511-BG	Momentary	SINGLE	SPDT	C	20 A 125-250 VAC
UL, IEC, NEMA	IP56	511-B2G <sup>1</sup>	Momentary	SINGLE	DPDT	C	1 H.P. 125-250 VAC
UL, IEC, NEMA	IP56	511-B2GA	Momentary	TWO	SPDT	C	Heavy Pilot Duty 250 VAC Max.
UL, IEC, NEMA	IP56	511-B3G	Momentary	SINGLE	SPDT DB <sup>2</sup>	Z	15 A 125-250 VAC
UL, IEC, NEMA	IP56	511-B4G <sup>1</sup>	Momentary	SINGLE	DPDT DB <sup>2</sup>	Z	1/2 H.P. 125 VAC
UL, IEC, NEMA	IP56	511-B4GA	Momentary	TWO	SPDT DB <sup>2</sup>	Z	1 H.P. 250 VAC
							Heavy Pilot Duty 250 VAC Max.

<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.