



AMERICA'S FOOT SWITCH LEADER

Full Line Catalog



Hercules Anti-Trip - Full 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):	4.80 x 5.88 x 9.00 In.
Weight:	7.50 lbs.

⚠ 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, IEC, CE	IP56	511-B	Momentary	Single	SPDT	C	20 A 125-250 VAC
UL, IEC, CE	IP56	511-B2 ¹	Momentary	Single	DPDT	C	1 H.P. 125-250 VAC
UL, IEC, CE	IP56	511-B2A	Momentary	Two	SPDT	C	Heavy Pilot Duty 250 VAC Max.
UL, IEC, CE	IP56	511-B3	Momentary	Single	SPDT DB ²	Z	15 A 125-250 VAC
UL, IEC, CE	IP56	511-B4 ¹	Momentary	Single	DPDT DB ²	Z	1/2 H.P. 125 VAC
UL, IEC, CE	IP56	511-B4A	Momentary	Two	SPDT DB ²	Z	1 H.P. 250 VAC
							Heavy Pilot Duty 250 VAC Max.

¹One 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.
²DB 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 - 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.

⚠ 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 ¹	Momentary	Single	DPDT	C	
UL, UL, UL	IP56	511-B2OA	Momentary	Two	SPDT	C	
UL, UL, UL	IP56	511-B2OAC ^{2,3}	Momentary	Two	SPDT	C	
UL, UL	IP56	511-B3O	Momentary	Single	SPDT DB ²	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 ¹	Momentary	Single	DPDT DB ²	Z	
UL, UL	IP56	511-B4OA	Momentary	Two	SPDT DB ²	Z	

¹One 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.
²DB 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. ³C² designates dual 1/2" - 14 NPT conduit entry.



Hercules Anti-Trip - OX 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):	5.78 x 6.03 x 9.13 In.
WEIGHT:	8.25 lbs.

⚠ 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 SF	IP56	511-BOX	Momentary	Single	SPDT	C	20 A 125-250 VAC 1 H.P. 125-250 VAC Heavy Pilot Duty 250 VAC Max.
§ UL SF	IP56	511-B2OX ¹	Momentary	Single	DPDT	C	
§ UL SF	IP56	511-B2OXA	Momentary	Two	SPDT	C	
UL SF	IP56	511-B3OX	Momentary	Single	SPDT DB ²	Z	15 A 125-250 VAC 1/2 H.P. 125 VAC 1 H.P. 250 VAC Heavy Pilot Duty 250 VAC Max.
UL SF	IP56	511-B4OX ¹	Momentary	Single	DPDT DB ²	Z	
UL SF	IP56	511-B4OXA	Momentary	Two	SPDT DB ²	Z	

¹One 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.
²DB 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 - Gated 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
- RF Wireless models are available (See "RF Wireless Hercules" on page 83 for details)



SIZE (HxWxD):	5.38 x 6.00 x 9.13 In.
WEIGHT:	8.50 lbs.

⚠ 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, IEC, NEMA	IP56	511-BG	Momentary	Single	SPDT	C	20 A 125-250 VAC
UL, IEC, NEMA	IP56	511-B2G ¹	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 ²	Z	15 A 125-250 VAC
UL, IEC, NEMA	IP56	511-B4G ¹	Momentary	Single	DPDT DB ²	Z	1/2 H.P. 125 VAC
UL, IEC, NEMA	IP56	511-B4GA	Momentary	Two	SPDT DB ²	Z	1 H.P. 250 VAC
							Heavy Pilot Duty 250 VAC Max.

¹One 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.
²DB 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 - Gated OX 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
- RF Wireless models are available (See "RF Wireless Hercules" on page 83 for details)



SIZE (HxWxD):	6.06 x 6.03 x 9.13 In.
WEIGHT:	9.00 lbs.

⚠ 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 SF	IP56	511-BOXG	Momentary	Single	SPDT	C	20 A 125-250 VAC
§ UL SF	IP56	511-B2OXG ¹	Momentary	Single	DPDT	C	1 H.P. 125-250 VAC
§ UL SF	IP56	511-B2OXGA	Momentary	Two	SPDT	C	Heavy Pilot Duty 250 VAC Max.
UL SF	IP56	511-B3OXG	Momentary	Single	SPDT DB ²	Z	15 A 125-250 VAC
UL SF	IP56	511-B4OXG ¹	Momentary	Single	DPDT DB ²	Z	1/2 H.P. 125 VAC
UL SF	IP56	511-B4OXGA	Momentary	Two	SPDT DB ²	Z	1 H.P. 250 VAC
							Heavy Pilot Duty 250 VAC Max.

¹One 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.
²DB 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 - No 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
NO SHIELD



Materials of Construction:

- Treadle, cover and housing constructed from cast iron for strength and durability
- Painted Alert Orange
- Single 3/4"-14 N.P.T. threaded conduit entry is standard

Features & Benefits:

- Rugged cast metal enclosure has sufficient weight to keep the switch from sliding when being operated
- All models have a neoprene cover gasket plus O-rings on the activating shaft and a separate ground screw
- In all Maintained Contact models the release is accomplished by simply pressing the latch with a light forward movement of the toe. The release is placed under the Full Shield so falling objects cannot easily release it
- 3 holes provided for rigid mounting to the floor or equipment

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
- Potentiometer models are available (See "Hercules -Potentiometer" on pages 76-79 for details)
- RF Wireless models are available (See "RF Wireless Hercules" on page 83 for details)
- Hercules models available with cast aluminum base and covers (except unshielded cover which is gray iron)

Size (HxWxD):	3.16 x 4.06 x 8.38 In.
Weight:	7.00 lbs.

⚠ 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
	IP56	531-SWN	Momentary	Single	SPDT	C	20 A 125-250 VAC 1 H.P. 125-250 VAC Heavy Pilot Duty 250 VAC Max.
	IP56	571-DWN	Maintained	Single	SPDT	C	
	IP56	532-SWN	Momentary	Single	DPDT	C	
	IP56	572-DWN	Maintained	Single	DPDT	C	
	IP56	533-SWN	Momentary	Single	TPDT	C	
	IP56	573-DWN	Maintained	Single	TPDT	C	
	IP56	534-SWN	Momentary	Two	SPDT	C	
	IP56	574-DWN	Maintained	Two	SPDT	C	
	IP56	535-SWN	Momentary	Three	SPDT	C	
	IP56	575-DWN	Maintained	Three	SPDT	C	
	IP56	536-SWN	Momentary	Single	SPDT DB ¹	Z	15 A 125-250 VAC 1/2 H.P. 125 VAC 1 H.P. 250 VAC Heavy Pilot Duty 250 VAC Max.
	IP56	576-DWN	Maintained	Single	SPDT DB ¹	Z	
	IP56	537-SWN	Momentary	Single	DPDT DB ¹	Z	
	IP56	577-DWN	Maintained	Single	DPDT DB ¹	Z	
	IP56	538-SWN	Momentary	Two	SPDT DB ¹	Z	
	IP56	578-DWN	Maintained	Two	SPDT DB ¹	Z	

¹DB 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.



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
STANDARD FULL SHIELD

Materials of Construction:

- Treadle and housing constructed from cast iron for strength and durability
- Protected by a strong cast aluminum Shield
- Painted Alert Orange
- Single 3/4"-14 N.P.T. threaded conduit entry is standard

Features & Benefits:

- Rugged cast metal enclosure has sufficient weight to keep the switch from sliding when being operated
- All models have a neoprene cover gasket plus O-rings on the activating shaft and a separate ground screw
- In all Maintained Contact models the release is accomplished by simply pressing the latch with a light forward movement of the toe. The release is placed under the Full Shield so falling objects cannot easily release it
- 3 holes provided for rigid mounting to the floor or equipment

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
- 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
- AirVal models are available (See "Hercules - Pneumatic AirVal" on page 67 for details)
- Potentiometer models are available (See "Hercules -Potentiometer" on pages 76-79 for details)
- RF Wireless models are available (See "RF Wireless Hercules" on page 83 for details)
- Hercules models available with cast aluminum base & covers (except unshielded cover which is gray iron)



Size (HxWxD):	4.37 x 5.88 x 9.00 In.
Weight:	7.50 lbs.

⚠ 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 SF	IP56	531-SWH	Momentary	Single	SPDT	C	20 A 125-250 VAC 1 H.P. 125-250 VAC Heavy Pilot Duty 250 VAC Max.
UL SF	IP56	531-SWHC2 ⁵	Momentary	Single	SPDT	C	
UL SF	IP56	571-DWH	Maintained	Single	SPDT	C	
UL SF	IP56	532-SWH	Momentary	Single	DPDT	C	
UL SF	IP56	572-DWH	Maintained	Single	DPDT	C	
UL SF	IP56	533-SWH	Momentary	Single	TPDT	C	
UL SF	IP56	533-SWHC2 ⁵	Momentary	Single	TPDT	C	
UL SF	IP56	573-DWH	Maintained	Single	TPDT	C	
UL SF	IP56	573-DWHC2 ⁵	Maintained	Single	TPDT	C	
UL SF	IP56	534-SWH	Momentary	Two	SPDT	C	
UL SF	IP56	574-DWH	Maintained	Two	SPDT	C	
UL SF	IP56	574-DWHA ¹	See Foot Note	Two	SPDT	C	
UL SF	IP56	574-DWHD ²	See Foot Note	Two	SPDT	C	
UL SF	IP56	535-SWH	Momentary	Three	SPDT	C	
UL SF	IP56	575-DWH	Maintained	Three	SPDT	C	
UL SF	IP56	575-DWHA ³	See Foot Note	Three	SPDT	C	
UL SF	IP56	536-SWH	Momentary	Single	SPDT DB ⁴	Z	15 A 125-250 VAC 1/2 H.P. 125 VAC 1 H.P. 250 VAC Heavy Pilot Duty 250 VAC Max.
UL SF	IP56	576-DWH	Maintained	Single	SPDT DB ⁴	Z	
UL SF	IP56	537-SWH	Momentary	Single	DPDT DB ⁴	Z	
UL SF	IP56	577-DWH	Maintained	Single	DPDT DB ⁴	Z	
UL SF	IP56	538-SWH	Momentary	Two	SPDT DB ⁴	Z	
UL SF	IP56	578-DWH	Maintained	Two	SPDT DB ⁴	Z	
UL SF	IP56	578-DWHA ¹	See Foot Note	Two	SPDT DB ⁴	Z	
UL SF	IP56	578-DWHD ²	See Foot Note	Two	SPDT DB ⁴	Z	
UL SF	IP56	578-DWHD ²	See Foot Note	Two	SPDT DB ⁴	Z	

¹1st stage Maintained 2nd stage Momentary. ²1st stage Momentary 2nd stage Maintained. ³1st stage Maintained 2nd & 3rd stage Momentary. ⁴DB 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. ⁵"C2" designates dual 1/2" NPT conduit entry.

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
“O” SHIELD

Materials of Construction:

- Treadle and housing constructed from cast iron for strength and durability
- Protected by a strong cast aluminum Shield
- Painted Alert Orange
- Single 3/4"-14 N.P.T. threaded conduit entry is standard

Features & Benefits:

- Rugged cast metal enclosure has sufficient weight to keep the switch from sliding when being operated
- All models have a neoprene cover gasket plus O-rings on the activating shaft and a separate ground screw
- In all Maintained Contact models the release is accomplished by simply pressing the latch with a light forward movement of the toe. The release is placed under the Full Shield so falling objects cannot easily release it
- 3 holes provided for rigid mounting to the floor or equipment

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
- Potentiometer models are available (See “Hercules -Potentiometer” on pages 76-79 for details)
- RF Wireless models are available (See “RF Wireless Hercules” on page 83 for details)
- Hercules models available with cast aluminum base and covers (except unshielded cover which is gray iron)



Size (HxWxD):	5.03 x 5.88 x 9.13 In.
Weight:	8.00 lbs.

⚠ 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
	IP56	531-SWHO	Momentary	Single	SPDT	C	20 A 125-250 VAC 1 H.P. 125-250 VAC Heavy Pilot Duty 250 VAC Max.
	IP56	531-SWHOC ⁵	Momentary	Single	SPDT	C	
	IP56	571-DWHO	Maintained	Single	SPDT	C	
	IP56	532-SWHO	Momentary	Single	DPDT	C	
	IP56	532-SWHOC ⁵	Momentary	Single	DPDT	C	
	IP56	572-DWHO	Maintained	Single	DPDT	C	
	IP56	533-SWHO	Momentary	Single	TPDT	C	
	IP56	573-DWHO	Maintained	Single	TPDT	C	
	IP56	534-SWHO	Momentary	Two	SPDT	C	
	IP56	574-DWHO	Maintained	Two	SPDT	C	
	IP56	574-DWHOA ¹	See Foot Note	Two	SPDT	C	
	IP56	574-DWHOD ²	See Foot Note	Two	SPDT	C	
	IP56	535-SWHO	Momentary	Three	SPDT	C	
	IP56	575-DWHO	Maintained	Three	SPDT	C	
	IP56	575-DWHOA ³	See Foot Note	Three	SPDT	C	
	IP56	536-SWHO	Momentary	Single	SPDT DB ⁴	Z	
	IP56	576-DWHO	Maintained	Single	SPDT DB ⁴	Z	
	IP56	537-SWHO	Momentary	Single	DPDT DB ⁴	Z	
	IP56	577-DWHO	Maintained	Single	DPDT DB ⁴	Z	
	IP56	538-SWHO	Momentary	Two	SPDT DB ⁴	Z	
	IP56	578-DWHO	Maintained	Two	SPDT DB ⁴	Z	
	IP56	578-DWHOA ¹	See Foot Note	Two	SPDT DB ⁴	Z	
	IP56	578-DWHOD ²	See Foot Note	Two	SPDT DB ⁴	Z	

¹1st stage Maintained 2nd stage Momentary. ²1st stage Momentary 2nd stage Maintained. ³1st stage Maintained 2nd & 3rd stage Momentary. ⁴DB 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. ⁵Dual 1/2” - 14 NPT conduit entries.



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
"OX" SHIELD

Materials of Construction:

- Treadle and housing constructed from cast iron for strength and durability
- Protected by a strong cast aluminum Shield
- Painted Alert Orange
- Single 3/4"-14 N.P.T. threaded conduit entry is standard

Features & Benefits:

- Rugged cast metal enclosure has sufficient weight to keep the switch from sliding when being operated
- All models have a neoprene cover gasket plus O-rings on the activating shaft and a separate ground screw
- In all Maintained Contact models the release is accomplished by simply pressing the latch with a light forward movement of the toe. The release is placed under the Full Shield so falling objects cannot easily release it
- 3 holes provided for rigid mounting to the floor or equipment

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
- Potentiometer models are available (See "Hercules -Potentiometer" on pages 76-79 for details)
- RF Wireless models are available (See "RF Wireless Hercules" on page 83 for details)
- Hercules models available with cast aluminum base and covers (except unshielded cover which is gray iron)



Size (HxWxD):	5.78 x 6.03 x 9.13 In.
Weight:	8.50 lbs.

⚠ 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
	IP56	531-SWBOX	Momentary	Single	SPDT	C	20 A 125-250 VAC 1 H.P. 125-250 VAC Heavy Pilot Duty 250 VAC Max.
	IP56	571-DWBOX	Maintained	Single	SPDT	C	
	IP56	532-SWBOX	Momentary	Single	DPDT	C	
	IP56	572-DWBOX	Maintained	Single	DPDT	C	
	IP56	533-SWBOX	Momentary	Single	TPDT	C	
	IP56	573-DWBOX	Maintained	Single	TPDT	C	
	IP56	534-SWBOX	Momentary	Two	SPDT	C	
	IP56	574-DWBOX	Maintained	Two	SPDT	C	
	IP56	574-DWBOXA ¹	See Foot Note	Two	SPDT	C	
	IP56	574-DWBOXD ²	See Foot Note	Two	SPDT	C	
	IP56	535-SWBOX	Momentary	Three	SPDT	C	
	IP56	575-DWBOX	Maintained	Three	SPDT	C	
	IP56	575-DWBOXA ³	See Foot Note	Three	SPDT	C	
	IP56	536-SWBOX	Momentary	Single	SPDT DB ⁴	Z	
	IP56	576-DWBOX	Maintained	Single	SPDT DB ⁴	Z	
	IP56	537-SWBOX	Momentary	Single	DPDT DB ⁴	Z	
	IP56	577-DWBOX	Maintained	Single	DPDT DB ⁴	Z	
	IP56	538-SWBOX	Momentary	Two	SPDT DB ⁴	Z	
	IP56	578-DWBOX	Maintained	Two	SPDT DB ⁴	Z	
	IP56	578-DWBOXA ¹	See Foot Note	Two	SPDT DB ⁴	Z	
	IP56	578-DWBOXD ²	See Foot Note	Two	SPDT DB ⁴	Z	

¹1st stage Maintained 2nd stage Momentary. ²1st stage Momentary 2nd stage Maintained. ³1st stage Maintained 2nd & 3rd stage Momentary. ⁴DB 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.

NEMA Type 1, 2, 4, 6, 6P & 13
UL ENCLOSURE 1, 2, 4, 6, 6P & 13
EN 60529 Degree of Protection IP68
IEC 60601-2-2

Drip tight • Dust tight • Watertight • Oil tight
DEVELOPED FOR WORLDWIDE APPLICATIONS



Materials of Construction:

- Treadle and housing constructed from cast aluminum for environmental durability
- Painted Alert Orange
- Single PG 16 threaded conduit entry is standard

Features & Benefits:

- Protected by a strong cast iron cover
- Developed for worldwide application
- Snap action - SPDT and DPDT with forced disconnect (positive break) on NC contacts
- Slow action mechanism with forced disconnect on the NC contacts - available as SPDT make before break or break before make
- Direct PLC interface compatible (two-circuit bifurcated contact single-pole versions)
- Galvanically isolated bifurcated contacts - NO and NC circuits can be wired to different loads and polarities
- 3 holes provided for rigid mounting to the floor or equipment

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
- 3/4-14 N.P.T. also available as standard for select models
- U.S. and other international conduit sizes and side entry available to the OEM on special order
- Side entry PG 16 threaded conduit entry available
- Twin and triple models available - Special Order

Size (HxWxD):	3.50 x 4.29 x 8.55 In.
Weight:	4.50 lbs.

⚠ 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	CIRCUIT	FORM	ELECTRICAL RATINGS
	IP68	936-SWN	Momentary	SPDT-SNAP ACTION		A300, Q300: Ith = 10A (AC) Ith = 2.5 A (DC)
	IP68	936-SWNBM ¹	Momentary	SPDT-SLOW ACTION BBM ¹		AC15: Ue = 240V; Ie = 3A Ue = 120V; Ie = 6A
	IP68	936-SWNMB ²	Momentary	SPDT-SLOW ACTION MBB ²		DC13: Ue = 250V; Ie = 0.27A Ue = 120V; Ie = 0.55A
	IP68	937-SWN	Momentary	DPDT-SNAP ACTION		Ue = 24V; Ie = 2.5A

¹Break Before Make ²Make Before Break



NEMA Type 1, 2, 4, 6, 6P & 13
UL ENCLOSURE 1, 2, 4, 6, 6P & 13
EN 60529 Degree of Protection IP68
IEC 60601-2-2



Drip tight • Dust tight • Watertight • Oil tight
DEVELOPED FOR WORLDWIDE APPLICATIONS

Materials of Construction:

- Treadle and housing constructed from cast aluminum for environmental durability
- Painted Alert Orange
- Single PG 16 threaded conduit entry is standard

Features & Benefits:

- Protected by a strong cast aluminum Shield
- Developed for worldwide application
- Snap action - SPDT and DPDT with forced disconnect (positive break) on NC contacts
- Slow action mechanism with forced disconnect on the NC contacts - available as SPDT make before break or break before make
- Direct PLC interface compatible (two-circuit bifurcated contact single-pole versions)
- Galvanically isolated bifurcated contacts - NO and NC circuits can be wired to different loads and polarities
- 3 holes provided for rigid mounting to the floor or equipment

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
- 3/4-14 N.P.T. also available as standard for select models
- U.S. and other international conduit sizes and side entry available to the OEM on special order
- Side entry PG 16 threaded conduit entry available
- Twin and triple models available - Special Order

Size (HxWxD):	4.70 x 5.88 x 9.06 In.
Weight:	5.00 lbs.

⚠ 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	CIRCUIT	FORM	ELECTRICAL RATINGS
cUL US CE	IP68	936-SWH	Momentary	SPDT-SNAP ACTION		A300, Q300:
cUL US CE	IP68	936-SWHC4 ¹	Momentary	SPDT-SNAP ACTION		Ith = 10A (AC) Ith = 2.5 A (DC)
cUL US CE	IP68	936-SWHBM ²	Momentary	SPDT-SLOW ACTION BBM ²		AC15: Ue = 240V; Ie = 3A
cUL US CE	IP68	936-SWHMB ³	Momentary	SPDT-SLOW ACTION MBB ³		Ue = 120V; Ie = 6A
cUL US CE	IP68	937-SWH	Momentary	DPDT-SNAP ACTION		DC13: Ue = 250V; Ie = 0.27A
cUL US CE	IP68	937-SWHC4 ¹	Momentary	DPDT-SNAP ACTION		Ue = 120V; Ie = 0.55A Ue = 24V; Ie = 2.5A

¹"C4" designates a single 3/4"-14 NPT conduit entry ²Break Before Make ³Make Before Break

NEMA Type 1, 2, 4, 6, 6P & 13
UL ENCLOSURE 1, 2, 4, 6, 6P & 13
EN 60529 Degree of Protection IP68
IEC 60601-2-2

Drip tight • Dust tight • Watertight • Oil tight
DEVELOPED FOR WORLDWIDE APPLICATIONS

Materials of Construction:

- Treadle and housing constructed from cast aluminum for environmental durability
- Painted Alert Orange
- Single PG 16 threaded conduit entry is standard

Features & Benefits:

- Protected by a strong cast aluminum Shield
- Developed for worldwide application
- Snap action - SPDT and DPDT with forced disconnect (positive break) on NC contacts
- Slow action mechanism with forced disconnect on the NC contacts - available as SPDT make before break or break before make
- Direct PLC interface compatible (two-circuit bifurcated contact single-pole versions)
- Galvanically isolated bifurcated contacts - NO and NC circuits can be wired to different loads and polarities
- 3 holes provided for rigid mounting to the floor or equipment

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
- 3/4-14 N.P.T. also available as standard for select models
- U.S. and other international conduit sizes and side entry available to the OEM on special order
- Side entry PG 16 threaded conduit entry available
- Twin and triple models available - Special Order



Size (HxWxD):	5.37 x 5.88 x 9.13 In.
Weight:	5.25 lbs.

⚠ 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	CIRCUIT	FORM	ELECTRICAL RATINGS
	IP68	936-SWHO	Momentary	SPDT-SNAP ACTION		A300, Q300: Ith = 10A (AC) Ith = 2.5 A (DC)
	IP68	936-SWHOBM ¹	Momentary	SPDT-SLOW ACTION BBM ¹		AC15: Ue = 240V; Ie = 3A Ue = 120V; Ie = 6A
	IP68	936-SWHOMB ²	Momentary	SPDT-SLOW ACTION MBB ²		DC13: Ue = 250V; Ie = 0.27A Ue = 120V; Ie = 0.55A
	IP68	937-SWHO	Momentary	DPDT-SNAP ACTION		Ue = 24V; Ie = 2.5A
	IP68	937-SWHOC ³	Momentary	DPDT-SNAP ACTION		

¹Break Before Make ²Make Before Break ³"C4" designates a single 3/4"-14 NPT conduit entry

NEMA Type 1, 2, 4, 6, 6P & 13
UL ENCLOSURE 1, 2, 4, 6, 6P & 13
EN 60529 Degree of Protection IP68
IEC 60601-2-2

Drip tight • Dust tight • Watertight • Oil tight
DEVELOPED FOR WORLDWIDE APPLICATIONS

Materials of Construction:

- Treadle and housing constructed from cast aluminum for environmental durability
- Painted Alert Orange
- Single PG 16 threaded conduit entry is standard

Features & Benefits:

- Protected by a strong cast aluminum Shield
- Developed for worldwide application
- Snap action - SPDT and DPDT with forced disconnect (positive break) on NC contacts
- Slow action mechanism with forced disconnect on the NC contacts - available as SPDT make before break or break before make
- Direct PLC interface compatible (two-circuit bifurcated contact single-pole versions)
- Galvanically isolated bifurcated contacts - NO and NC circuits can be wired to different loads and polarities
- 3 holes provided for rigid mounting to the floor or equipment

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
- 3/4-14 N.P.T. also available as standard for select models
- U.S. and other international conduit sizes and side entry available to the OEM on special order
- Side entry PG 16 threaded conduit entry available
- Twin and triple models available - Special Order



Size (HxWxD):	6.12 x 6.03 x 9.13 In.
Weight:	5.50 lbs.

⚠ 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	CIRCUIT	FORM	ELECTRICAL RATINGS
	IP68	936-SWHOX	Momentary	SPDT-SNAP ACTION		A300, Q300: Ith = 10A (AC) Ith = 2.5 A (DC) AC15: Ue = 240V; Ie = 3A Ue = 120V; Ie = 6A DC13: Ue = 250V; Ie = 0.27A Ue = 120V; Ie = 0.55A Ue = 24V; Ie = 2.5A
	IP68	936-SWHOXC4 ³	Momentary	SPDT-SNAP ACTION		
	IP68	936-SWHOXBM ¹	Momentary	SPDT-SLOW ACTION BBM ¹		
	IP68	936-SWHOXMB ²	Momentary	SPDT-SLOW ACTION MBB ²		
	IP68	937-SWHOX	Momentary	DPDT-SNAP ACTION		
	IP68	937-SWHOXC4 ³	Momentary	DPDT-SNAP ACTION		

¹Break Before Make ²Make Before Break ³"C4" designates a single 3/4"-14 NPT conduit entry