

Sealed Switches

Originally designed to MS39058, CPI's sealed switches are completely submersible. Ideal for use in the engine compartment and in harsh exterior locations - even under the chassis.

Thermal Switches

Setpoint capability of 0°F to 1850°F, CPI offers unmatched precision and the most rapid response time available in a thermal switch.

Sealed Switches



E1 Series

Limit Switches*

E1161a bracket (top)

E1294 bracket (bottom)

J4 & D1 Series

Plunger Switches**

D1040 (top)

J4401-514 (bottom)

Thermal Switches



Plugstat M Series

M1 Model

w/ screw terminals

AD, X, and M Series

snap-action to bimetal designs

Specifications - Sealed Switches

Electrical rating:

E1s: (28VDC/120VAC): 5 amps resistive, 3 amps inductive.

Higher ratings available on special order.

J4s: 28VDC, 5 amps inductive

Endurance: 100,000 to 5 million cycles (depending on configuration)

Operating temperature range: -65°F to 221°F, depending on item; (J4 Series: -50°F to 302°F)

Environmental resistance: Excellent resistance to both high and low temperatures, acids, alkalies, salt spray, sand, dust and fungus.

Specifications - Thermal Switches

Electrical rating:

SnapStats: (28VDC/120VAC) 5 amps resistive, 3 amps inductive. Gold contacts available special order.

PlugStats (bimetal): (28VDC/115VAC) 2 amps resistive, 1/2 amp inductive

Rod & Tube: (28VDC/115VAC) 1.5 amps resistive, 1/2 amp inductive

Setpoint temperature ranges:

Snapstats: 0°F - 300°F / PlugStats: 0°F - 650°F / R&T: 0°F - 1750°F

*E1 limit switches are assemblies of E1 Series brackets and B Series momentary switches.

**J4 Series come in plated steel, brass, and stainless steel versions.

For performance specifications and more product details, please visit our website or contact us

WATERPROOF SWITCHES

E1002-501 (USATAC 12339494) / engine kickdown - HMMWV

Commercially available B2 Series switch within a customized mounting bracket design to fit the operating requirements of the application. Customer specified MS connectors are provided with the switch to make a completely waterproof product.

D1011-501 (USATAC 11669772) / cold-start ether injection - M939 5-ton truck

B2 Series waterproof switch within plunger bracket

E2038 (USATAC 11669094) / brake light switch - M939 5-ton truck

K1013-501 (USATAC 11669679) / 2- to 6-wheel drive shifter - M939 5-ton trucks

B2 momentary within custom molded housing

E1344-501 (Oshkosh) / idle validation - LVSR & HEMTT

D1021-538 (Oshkosh) / spare tire hoist on/off - FHTV PLS

E1117-525 (Oshkosh) / dumpster stow position limit for roll-off

K1111-501 (Oshkosh) / fuel door detection switch - HEMTT fuel truck

J4401-514 (BAE-Sealy/USATAC 12505576) / cab tilt position - LTAS

J4 switch and specialized adaptor with long plunger and scraper seal

J4001 / J4002 (General Dynamics) / seat switch, operator presence - Pandur

Ordinance & MIL-STD P/Ns:

A2001 (Ord #7389132) • A2004 (MS-39058-1) • A2005 (MS-39058-2) • A2006 (MS-39058-3)

THERMAL SWITCHES

AD105-503 (USATAC 12338599) / engine HOT thermal switch - HMMWV

Standard AD threaded switch with waterproof MS plug connectors and wire markers.

M1002-538 (Textron MLS) / view screen anti-freeze protection - ASV

standard M1 Series thermal switch with added screw terminals for easy, non-solder connection

M2003-502 (Honeywell) / lube oil overheat switch in gas turbine engine - M-1 Abrams Tank

Off-the-shelf M2 Series with gold contacts

M2146-503, -504 (BAE - Leicester) / cooling system, water anti-freeze switch for startup - Terrier

M2 switches with commercially available BSPP thread mounting adaptor

AD053-508 (Supacat) / coolant system, caution and warning indication - HMT 400

dual-temperatures to indicate two system conditions to operator

