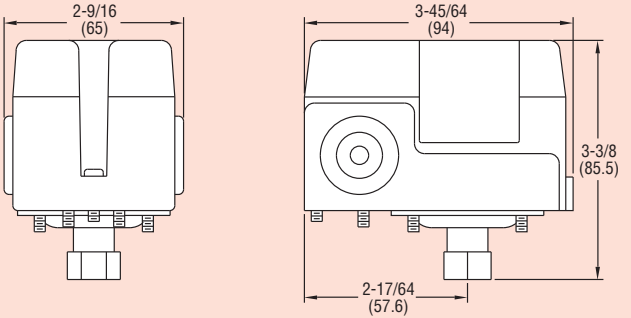
Mercoid®

Series CXA

Water Pump Pressure Switch

Simple, Reliable, Adjustable Set Point and Deadband

CE



The Series CXA Water Pump Pressure Switches have been proven reliable for controlling automatic water systems. These switches are very popular for use on water pumping systems. The set point and deadband are both easily adjustable via screws inside the cover. For ease of installation, the switches come with a 1/4˝ female NPT process connection and can be mounted in any orientation. The series CXA's simple design makes it a great switch for an installer at any skill level.

Model Number	Switch Type	Range psig (bar)	Approx. Adjustable Deadband psig (bar)	Max. Pressure psig (bar)
CXA-S1	NC	15-80 (1.0-5.5)	15-30 (1.0-2.1)	129 (8.9)
CXA-S2	NC	30-100 (2.1-6.9)	20-35 (1.4-2.4)	179 (12.3)
CXA-S3	NC	35-150 (2.4-10.3)	30-40 (2.1-2.8)	204 (14.1)
CXA-R1	NO	15-80 (1.0-5.5)	15-30 (1.0-2.1)	129 (8.9)
CXA-R2	NO	30-100 (2.1-6.9)	20-35 (1.4-2.4)	179 (12.3)
CXA-R3	NO	35-150 (2.4-10.3)	30-40 (2.1-2.8)	204 (14.1)

SPECIFICATIONS

Service: Compatible liquids and gases.
Wetted Materials: Silicone, steel, and SS.
Temperature Limits: 140°F (60°C).
Pressure Limits: See model chart.
Enclosure Rating: General purpose.
Repeatability: ±5 psig (±0.3 bar).
Switch Type: SPST snap action (see model chart).
Electrical Ratings: 20A @ 120 VAC, 12A @ 240 VAC, 9.6A @ 240 VAC (3 phase), 8.6A @ 32 VDC, 3.1A @ 120 VDC, 1.6A @ 240 VDC.
Electrical Connections: Screw terminal.
Conduit Connection: 7/8˝ hole for 1/2˝ conduit hub (2 places).
Process Connection: 1/4˝ female NPT.
Mounting Orientation: Switch can be installed in any position.
Setpoint Adjustment: Internal screws.
Weight: 0.75 lb (0.34 kg).
Deadband: See model chart.
Agency Approvals: CE, UL pending.

FEATURES

- Designed for electrically driven water pumps.
- Suitable for all types of pumps: jets, submersible, reciprocating, etc.
- Direct acting (NC) or reverse acting (NO) available depending on switch type and model number.