For reliable control of a single pump in residential or commercial installations. Common applications include sump basins, effluent or sewage pump chambers and lift stations.

Features

- Across-the-line magnetic contactor
- Test/Auto switch
- Terminal block for easy wiring
- Circuit breaker
- Green pump run indicator light (internal)
- Red alarm indicator light/audible alarm
- Auxiliary contacts
- Alarm silence and test switches
- Tri 120/208/240V operation on 1-phase
- Tri 208/240/480V operation on 3-phase

Other Available Options

- Alarm bell
- Redundant off
- Cycle counter
- Dead front
- Main disconnect
- Flasher
- Manual alarm reset
- Power ON light
- Lockable latch
- Overload protection
- Alternate beacon color
- High and low level indicators
- Seal fail indicator
- Anti-condensation heater
- Pilot breaker
- Thru-door overload reset
- Beacon guard
- Thermal cutout
- Elapsed time meter
- Delay timer
- Lightning arrestor
- GFCI convenience receptacle
- Start/run capacitors
SX-Series Simplex Pump Controls

Standard Features

**Enclosure:** 8” x 8” x 4”; NEMA 4X – ultraviolet stabilized thermoplastic for outdoor use; NEMA 1 – metal for indoor use. Certain options may increase enclosure size. 3-phase panels measure 12” x 10” x 6”.

**Magnetic Motor Contactor:** Controls pump by switching hot electrical lines.

**HOA Switch:** Offers manual operation of pump (on circuit board).

**Green Pump Run Indicator:** On circuit board

**Float Switch Terminal Block:** On circuit board

**Control/Alarm Fuses:** On circuit board

**Control/Alarm Power Indicator:** On circuit board

**Circuit Breaker:** 1-phase panels include appropriately sized circuit breakers to provide pump disconnect and branch circuit protection. 3-phase breakers sized to application and provide additional overload protection for the pump.

**Pump Input Power and Pump Connection Terminal Block**

**Auxiliary Contacts**

**Ground Lug**

**Alarm Package:** NEMA 4X = red beacon and horn (83 to 85 dB), exterior test/normal/silence switch. NEMA 1 = door mounted red indicator and internally mounted buzzer (83 to 85 dB), exterior test/normal/silence switch.

### Switch Specifications

All standard simplex panels include (3) pilot-duty float switches for OFF, ON and Alarm. 20’ cord standard. Optional lengths available. External weights or pipe clamp mounts required.

**Cable:** Flexible 18 gauge, 2 conductor

**Electrical:** 5A, 120/230 VAC, 50/60 Hz

**Float Switch:** High-impact PVC

**Maximum fluid temperature:** 140°F

**Weight:** NEMA 1 Panels: 24 lbs (approx.)

NEMA 4X Panels: 19 lbs (approx.)

Liberty Pumps can customize a panel to your specific pump needs. Please contact us for available options and ordering information.

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**MODEL** | **VOLTS** | **PHASE** | **FULL LOAD AMPS** | **ENCLOSURE**
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### 1-Phase
SX21=3-3 | 120/208/240 | 1 | 0–14.9A | NEMA 1
SX24=3-3 | 120/208/240 | 1 | 0–14.9A | NEMA 4X
SXH21=3-3 | 120/208/240 | 1 | 15–20A | NEMA 1
SXH24=3-3 | 120/208/240 | 1 | 15–20A | NEMA 4X
**SXH24=3-3** | 120/208/240 | 1 | 15–20A | NEMA 4X
### 3-Phase*
SX34=3-131 | 208/240/480 | 3 | 1.6–2.5A | NEMA 4X
SX34=3-141 | 208/240/480 | 3 | 2.5–4.0A | NEMA 4X
SX34=3-171 | 208/240/480 | 3 | 4.0–6.3A | NEMA 4X
SX34=3-191 | 208/240/480 | 3 | 6–10A | NEMA 4X
SX34=3-511 | 208/240/480 | 3 | 9–14A | NEMA 4X
SX54=3-121 | 575 | 3 | 1.6–2.5A | NEMA 4X
SX54=3-151 | 575 | 3 | 2.5–4.0A | NEMA 4X
SX54=3-161 | 575 | 3 | 4.0–6.3A | NEMA 4X

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35’ and 50’ cord length options available. Add “-3” or “-5” suffix to model number. Example: SX21=3-5 for 50’ cords.

3-phase panels come equipped with thermal overload protection that must be properly sized to the pump’s full load run amps. Multi-tap transformer (208/240/480 VAC primary) provides 120V control voltage. Motor protective switch provides adjustable overload, branch circuit protection and pump disconnect. Please consult factory for proper panel selection.

**SXHC24=3-3** includes start/run capacitors and start relay for use with LSG202M-C and LSGX202M-C models.