

Liberty PumpsTM

NEMA 1

NEMA 4X



SX-SERIES SIMPLEX PUMP CONTROLS

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.

STANDARD FEATURES:

- Across-the-line magnetic contactor
- Test/Auto switch
- Terminal block for easy wiring
- Green pump run indicator light (internal)
- Red alarm indicator light
- Audible alarm
- Alarm silence and test switches
- Dual 115/230V. operation on single phase
- Tri 208/240/480V. operation on three 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
- Overload reset, thru-door
- Beacon guard
- Thermal cutout
- Elapsed time meter
- Delay timer
- Lightning arrestor
- GFI convenience receptacle

All SX-series panels are shipped complete with 3 floats. Standard cord length is 20 feet.

SX-SERIES SIMPLEX PUMP CONTROLS

MODEL SPECIFICATIONS

MODEL	VOLTS	PHASE	FULL LOAD AMPS (Must match pump)	ENCLOSURE
Single Phase				
SX21=3	115/230	1	0 - 20 amps	NEMA 1
SX24=3	115/230	1	0 - 20 amps	NEMA 4x
Three Phase*				
SX34=3-131	208/240/480	3	1.8 - 2.5 amps	NEMA 4x
SX34=3-141	208/240/480	3	2.2 - 3.2 amps	NEMA 4x
SX34=3-161	208/240/480	3	3.5 - 5.0 amps	NEMA 4x
SX34=3-171	208/240/480	3	4.5 - 6.3 amps	NEMA 4x
SX54=3-121	575	3	1.4 - 2.0 amps	NEMA 4x
Panels for SG202 Grinder Pumps Only				
SXG21=3	230	1	7 - 10 amps	NEMA 1
SXG24=3	230	1	7 - 10 amps	NEMA 4x

NOTE: SX-Series panels come with variable amp ranges and must be ordered with the correct matching full load amperage to that of the pump being used. Use the chart above to select the proper amp range or consult the factory for technical assistance.

* Three 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.

SWITCH SPECIFICATIONS

All standard simplex panels include 3 pilot-duty float switches for Off, On and Alarm. 20' cord standard. Optional lengths available. Pilot-duty floats are internally weighted for applications where the switch can be suspended from above. (External weights or pipe clamp mounts optional.)

CABLE: flexible 18 gauge, 2 conductor

ELECTRICAL: 5 amp, 120/230VAC, 50/60HZ

FLOAT: High impact PVC

140 degrees F. maximum fluid temperature

WEIGHT:

NEMA 1 Panels: 24 lbs. (approx.)

NEMA 4x Panels: 19 lbs. (approx.)

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

800-543-2550



Dual safety certification for the United States and Canada.

Specifications subject to change without notice.

SX-SERIES FEATURES

ENCLOSURE: 8" x 8" x 4"; NEMA 4X – ultraviolet stabilized thermoplastic for outdoor; NEMA 1 – metal for indoor use. Certain options may increase enclosure size. (Three 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 AND ALARM FUSES: on circuit board.

CONTROL AND ALARM POWER INDICATORS: on circuit board.

CIRCUIT BREAKER (optional on single phase, standard on 3-phase): provides pump disconnect and branch circuit protection.

PUMP INPUT POWER AND PUMP CONNECTION TERMINAL BLOCK

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 buzzer mounted internally (83 to 85 db), exterior test/normal/silence switch.