

SXS-SERIES

Simplex Pump Controls

Liberty Pumps®

A Family and Employee Owned Company

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

Features

- NEMA® 4X enclosure
- Adjustable motor overload
- 3-Float operation (Stop, Start, Alarm)
- Hand-Off-Auto switch
- Seal leak indicator light (internal)
- Green pump run indicator light (internal)
- Connection for motor thermostat circuit
- Terminal block for easy wiring
- Red alarm beacon
- Audible horn
- Alarm silence and test switch
- Auxiliary contacts (NO and NC)



Standard Features

Enclosure: NEMA 4X – ultraviolet stabilized thermoplastic for outdoor use. Certain options may increase enclosure size.

Dimensions: 1-Phase: 12x14x6; 3-Phase: 10x12x6

Adjustable Motor Overload: Protects motor from overcurrent due to overloading or stalling. Adjustable and set by installer based on pump FLA rating.

Motor Thermostat Connection: Allows for connection of NC motor thermostat circuit. Panel will not provide power to pump if the motor thermostats open due to excessive motor temperature.

Seal Leak: Adjustable 0-250K ohm sensitivity range. Installer must set sensitivity when pump is installed. A seal leak event will trigger red indicator light on board and red alarm beacon.

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

Green Pump Run Indicator: On circuit board

Float Switch Inputs: On circuit board. 3-float operation.

Float Switch Status Indicators: On circuit board. Push-to-test button for each float.

Control/Alarm Power Indicator: On circuit board

Pump Input Power and Pump Connection Terminal Block

Auxiliary Contacts: On circuit board. Board contains a NO and NC contact output. 5A max. current.

Ground Lug

Alarm Package: Exterior red beacon and horn. Exterior test/normal/silence switch.

For other available options, call 800-543-2550.



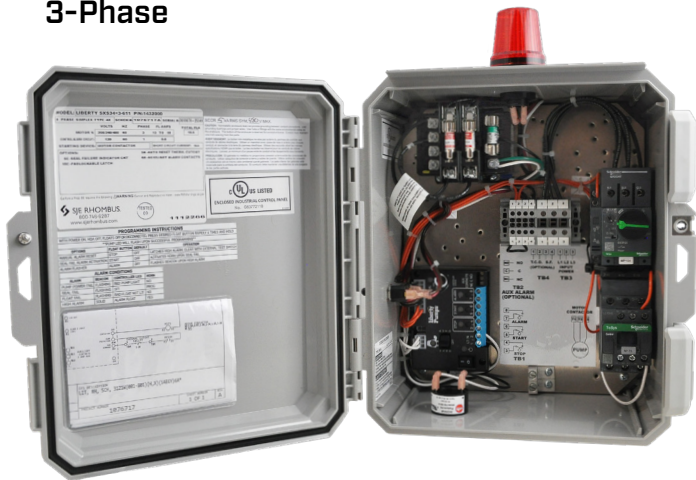
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SXS-Series

1-Phase



3-Phase



| MODEL | VOLTS | PHASE | FULL LOAD AMPS [Must match pump] | ENCLOSURE | APPROX. WEIGHT in LBS. |
|------------------|-------------|-------|-------------------------------------|-----------|---------------------------|
| 1-Phase* | | | | | |
| SXSKC24=3 | 230 | 1 | 8-32 | NEMA 4X | 23 |
| 3-Phase** | | | | | |
| SXS34=3-171 | 200/230/460 | 3 | 4-6.3 | NEMA 4X | 20 |
| SXS34=3-191 | 200/230/460 | 3 | 6-10 | NEMA 4X | 20 |
| SXS34=3-511 | 200/230/460 | 3 | 9-14 | NEMA 4X | 20 |
| SXS34=3-611 | 200/230/460 | 3 | 13-18 | NEMA 4X | 20 |
| SXS34=3-621 | 200/230/460 | 3 | 17-23 | NEMA 4X | 20 |
| SXS54=3-161 | 575 | 3 | 4-6.3 | NEMA 4X | 20 |
| SXS54=3-405 | 575 | 3 | 6-10 | NEMA 4X | 20 |

Panels come equipped with motor overload protection that must be properly sized to the pump's full load run amps. 20' cord length standard on all models. (35' and 50' cord length options available. Add "-3'" or "-5'" suffix to model number. Example: SXS34=3-611-5 for 50' cords.)

* 1-Phase panels feature start kit (K002080) for LSGV and LSGH series pumps installed from factory.

** Multi-tap transformer (200/230/460V primary) provides 120V control voltage. 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. External weights or pipe clamp mounts required.

Cable: Flexible 18 gauge, 2 conductor

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

Float Switch: High-impact PVC

Maximum fluid temperature: 140°F

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

1-800-543-2550