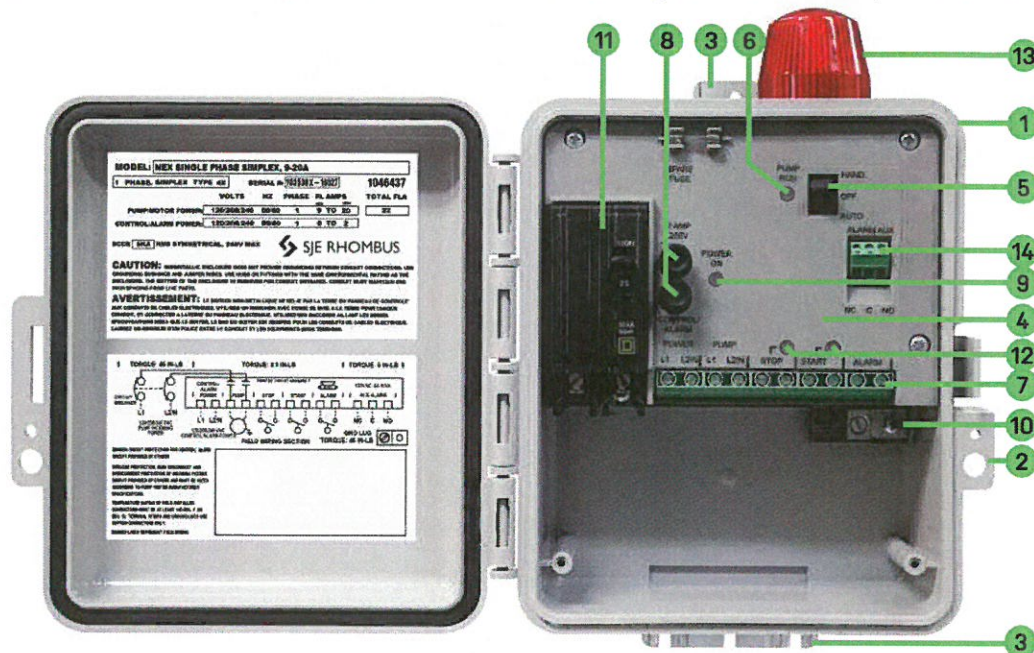


NEX SERIES® SINGLE PHASE SIMPLEX CONTROL PANEL

Single phase, simplex motor contactor control.

The NEX Series® control panel is designed to control one single phase pump in water and wastewater applications. Two control switches activate a power relay to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audible/visual alarm system. The compact design (20.32 x 15.24 x 10.16 cm) is ideal for residential applications. Universal pump voltage and control/alarm power allow the NEX Series® panel to handle three voltages (120/208/240V single phase). The innovative design of internal components and integral mounting tabs make



Standard Control Panels

PANEL COMPONENTS

1. Enclosure measures 20.32 X 15.24 X 10.16 cm (8 x 6 x 4 inches) NEMA 4X (ultraviolet stabilized thermoplastic) for indoor or outdoor use
2. Padlockable Latch
3. Integral Mounting Feet
4. Power Relay controls pump by switching electrical lines
5. HOA Switch for manual pump control
6. Green Pump Run Indicator Light
7. Field Wiring Terminal Block
8. Control/Alarm Fuses
9. Control/Alarm Power Indicator
10. Ground Lug
11. Circuit Breaker provides pump disconnect and branch circuit protection
12. Float Status Indicator Lights (Stop and Start Float Status)

STANDARD ALARM PACKAGE

13. Red Alarm Beacon provides 360° visual check of alarm condition
14. Auxiliary Alarm Contacts (Form C) are provided for signaling an external device
15. Alarm Horn provides audible warning of alarm condition, 85 to 90 decibel rating (not shown)
16. Exterior Alarm Test/Normal/Silence Switch allows horn and light to be tested and horn to be silenced in an alarm condition - alarm automatically resets once alarm condition has been cleared (not shown)



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SEE BACK SIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

NEX SERIES® SINGLE PHASE SIMPLEX CONTROL PANEL

Single phase, simplex motor contactor control.

ORDERING INFORMATION

Part #	Description	Amps	Ship Weight
1046436	NEX Series® Single Phase Simplex, 120/208/240V, (3) 6 meter (20 ft) SJE SignalMaster® control float switches	0-12	4.08 kg
1046437	NEX Series® Single Phase Simplex, 120/208/240V, (3) 6 meter (20 ft) SJE SignalMaster® control float switches	9-20	4.08 kg
1047662	NEX Series® Single Phase Simplex, 120/208/240V, no float switches	0-12	2.27 kg
1047663	NEX Series® Single Phase Simplex, 120/208/240V, no float switches	9-20	2.27 kg

Part #	Description - With Optional Elapsed Time Meter	Amps	Ship Weight
1053452	NEX Series® Single Phase Simplex, 120/208/240 VAC, w/ ETM, (3) 20' SJE SignalMaster® Control Switches	0-12	4.08 kg
1053453	NEX Series® Single Phase Simplex, 120/208/240 VAC, w/ ETM, (3) 20' SJE SignalMaster® Control Switches	9-20	4.08 kg
1053454	NEX Series® Single Phase Simplex, 120/208/240 VAC, w/ ETM, no float switches	0-12	2.27 kg
1053455	NEX Series® Single Phase Simplex, 120/208/240 VAC, w/ ETM, no float switches	9-20	2.27 kg

SEE INTERNATIONAL PRICE BOOK FOR LIST PRICING.

SPECIFICATIONS

Voltage Supply:

Pump: 120/208/240V single phase, 50/60 Hz

Control/Alarm: 120/208/240V single phase, 50/60 Hz

Enclosure: 20.32 x 15.24 x 10.16 cm (8 x 6 x 4 inches), padlockable NEMA 4X
(ultraviolet stabilized thermoplastic with integral mounting feet for outdoor or indoor use)

Float Control Voltage: 12 VDC

Pump Amps: 0-12 amps; 9-20 amps

Auxiliary Alarm Contacts: Form C, 120V Max.



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SJE SIGNALMASTER®/SJE SIGNALMASTER® SPDT CONTROL SWITCHES

Mechanically-Activated, Narrow-Angle Float Switches Designed to Activate Pump Control Panels and Alarms

These mechanically-activated, narrow-angle control switches are designed to accurately monitor liquid levels and activate pump control panels and alarms in:

- water applications
- sewage applications

The SJE SignalMaster® control switch is not sensitive to rotation.

Normally Open Model (high level) - Yellow Cap

The control switch turns on (closes) when the switch tips slightly above horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

Normally Closed Model (low level) - White Cap

The control switch turns on (closes) when the switch drops slightly below horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.

SPDT (Single Pole Double Throw) - Green Cap

The control switch can be wired for either normally open or normally closed applications.

FEATURES

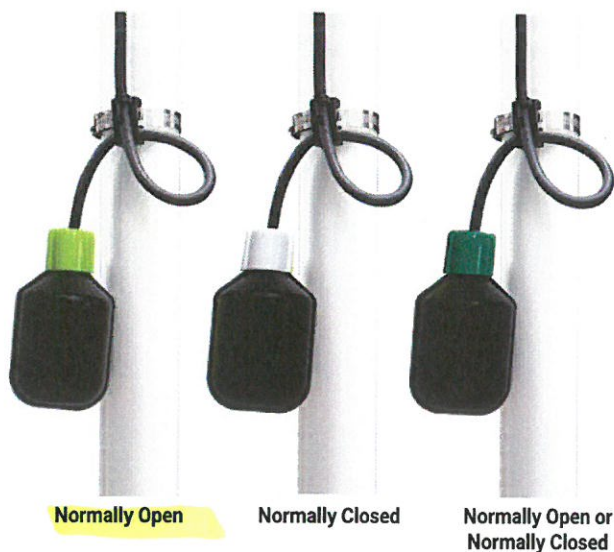
- Mechanically-activated, snap action contacts
- High impact, corrosion resistant, polypropylene float housing
- Not sensitive to rotation
- Control differential of 1.5 inches (4 cm) above or below horizontal
- Colored caps for easy identification: yellow = normally open; white = normally closed; green = SPDT (Single Pole, Double Throw) can be wired for either normally open or normally closed applications

OPTIONS

- In standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
- with two mounting options that allow for flexibility in installation:

Mounting Clamp: for applications where the switch can be attached to a discharge pipe or similar mounting device

Externally Weighted: for applications where the switch can be suspended from above



UL Listed for Water & Sewage



SJE SIGNALMASTER®/SJE SIGNALMASTER® SPDT CONTROL SWITCHES - Mechanically-activated, narrow-angle float switches designed to activate pump control panels and alarms.

NORMALLY OPEN		NORMALLY CLOSED		Shipping Weight	List Price
Part #	Description	Part #	Description		
1006042	10SGMPCNO	1006046	10SGMPCNC	1.04 lbs.	\$54.06
1006050	10SGMWENO	1006054	10SGMWENC	2.13 lbs.	\$66.30
1006043	15SGMPCNO	1006047	15SGMPCNC	1.37 lbs.	\$59.16
1006051	15SGMWENO	1006055	15SGMWENC	2.45 lbs.	\$71.40
1006044	20SGMPCNO	1006048	20SGMPCNC	1.69 lbs.	\$64.26
1006052	20SGMWENO	1006056	20SGMWENC	2.70 lbs.	\$76.50
1006045	30SGMPCNO	1006049	30SGMPCNC	2.34 lbs.	\$75.48
1006053	30SGMWENO	1006057	30SGMWENC	3.43 lbs.	\$87.72

SPDT (NORMALLY OPEN OR NORMALLY CLOSED)				Shipping Weight	List Price
Part #	Description				
1006094	10SGMSPDTPC			1.20 lbs.	\$62.47
1006098	10SGMSPDTWE			2.29 lbs.	\$74.79
1006095	15SGMSPDTPC			1.61 lbs.	\$68.05
1006099	15SGMSPDTWE			2.69 lbs.	\$80.36
1006096	20SGMSPDTPC			2.01 lbs.	\$73.71
1006100	20SGMSPDTWE			3.10 lbs.	\$85.96
1006097	30SGMSPDTPC			2.82 lbs.	\$85.96
1006101	30SGMSPDTWE			3.91 lbs.	\$98.33

PC = Pipe Clamp **WE** = Weighted Externally **NO** = Normally Open **NC** = Normally Closed

SPDT: Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (Single Pole, Double Throw).

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

PACKAGING: Bagged - Standard

ADDITIONAL CABLE: Longer cable lengths available.

SPECIFICATIONS

CABLE: SJE SignalMaster® - flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

SJE SignalMaster® SPDT - flexible 18 gauge, 3 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7 x 12.3 cm), high impact, corrosion resistant polypropylene for use in sewage and water up to 140° F (60° C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

ELECTRICAL: 5 amp, 125/250 VAC, 50/60 Hz

This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

OTHER INFORMATION

NORMALLY OPEN (HIGH LEVEL) OPERATION

The control switch closes (turns on) when the float tips slightly **above** horizontal signaling a high level, and opens (turns off) when the float drops slightly **below** horizontal in water or sewage applications.

NORMALLY CLOSED (LOW LEVEL) OPERATION

The control switch closes (turns on) when the float drops slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal in water or sewage applications.