

MODEL SGS Control Panel

Single phase, simplex sewage grinder motor contactor control.

The Model SGS (sewage grinder system) control panel provides a reliable means of controlling one single phase pump. This panel, designed for water and sewage applications, controls pumps of 2 HP or less requiring external starting components.

PANEL COMPONENTS

1. **Enclosure** measures 12 x 10 x 6 inches (30.48 x 25.40 x 15.24 cm). Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **IEC Motor Contactor** controls pump by switching electrical lines.
3. **HOA Switch** for manual pump control (mounted on circuit board).
4. **Green Pump Run Indicator Light** (mounted on circuit board).
5. **Float Switch Terminal Block** (mounted on circuit board).
6. **Alarm / Control Fuses** (mounted on circuit board).
7. **Alarm and Control Power Indicators** (mounted on circuit board).
8. **Pump Connection Terminal Block**
9. **Ground Lug**
10. **Overload Relay** (optional) provides pump overload protection.
11. **Circuit Breaker** provides pump disconnect and branch circuit protection.
12. ***Run Capacitor**
13. ***Start Relay**
14. ***Start Capacitor**

**Start/Run components supplied for certain pump models, please call factory to verify your pump model at 1-888-DIAL-SJE (1-888-342-5753).*

STANDARD ALARM PACKAGE

15. **Red Alarm Beacon** provides 360° visual check of alarm condition.
NOTE: NEMA 1 style utilizes a door mounted indicator in lieu of a beacon.
16. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
NOTE: NEMA 1 style utilizes an internally mounted buzzer in lieu of horn.
17. **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 is cleared.
18. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

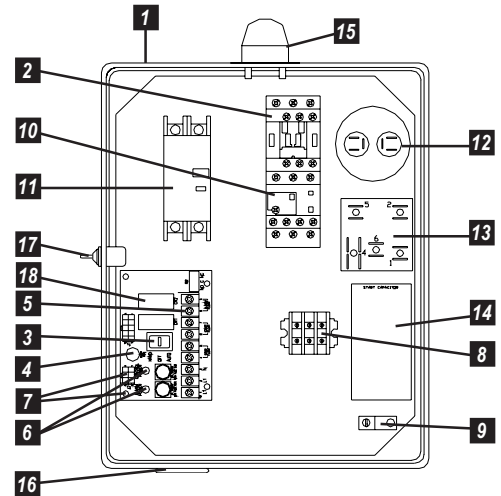
PRICING/ORDERING INFORMATION

Model Number	Horsepower/ AC Voltage	Full Load Amps	List Price	Shipping Weight
SGS1W114H	2HP120/208/240 VAC	7-15 FLA	*\$719.00	20 lbs.

*Includes motor capacitor start/run components for certain pump models. Call factory at 1-800-RHOMBUS (1-800-746-6287) to verify your pump model prior to quoting.

*Model SGS control panels cannot be returned. Please refer to the Product Return section on page 2.

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.



Model Shown SGS1W114X

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' Sensor Float® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty. This express warranty does not apply to motor start kit component. SJE-Rhombus makes no warranties of any type with respect to the motor start kit.



SJE Rhombus
CONTROLS

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1-888-DIAL-SJE • 1-218-847-1317

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	SGS		1		4		
MODEL SGS							\$719.00
ALARM PACKAGE							
<input type="checkbox"/>	0 = select options or no alarm package						-\$55.00
<input type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float)						Base
ENCLOSURE RATING							
<input type="checkbox"/>	I = Indoor, NEMA 1 (metal)						-\$50.00
<input type="checkbox"/>	W = Weatherproof, NEMA 4X (engineered thermoplastic)						Base
STARTING DEVICE							
<input checked="" type="checkbox"/>	1 = magnetic motor contactor 120/208/240V						Base
PUMP FULL LOAD AMPS							
<input type="checkbox"/>	0 = 0-7 FLA						Base
<input type="checkbox"/>	1 = 7-15 FLA						Base
<input type="checkbox"/>	2 = 15-20 FLA						Base
PUMP DISCONNECTS							
<input checked="" type="checkbox"/>	4 = circuit breaker						Base
FLOAT SWITCH APPLICATION							
<input type="checkbox"/>	H or L = pump down or pump up						Base
<input type="checkbox"/>	X = no floats						Base
	WITH alarm package						-\$75.00
	WITHOUT alarm package						-\$50.00
OPTIONS <i>Listed below</i>							
						Total Options	_____
						TOTAL LIST PRICE	_____

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	1A Red beacon only / no audio <i>(must select 1E if floats included)</i>	\$10.00	<input type="checkbox"/>	12C Motor start components mounted and supplied by SJE-Rhombus	Call for option code
<input type="checkbox"/>	1C Horn only / no visual <i>(must select 1E if floats included)</i>	\$15.00	<input type="checkbox"/>	16A 10' cord in lieu of 20' <i>(per float)</i>	-\$2.00
<input type="checkbox"/>	1E Alarm float	\$25.00	<input type="checkbox"/>	16B 15' cord in lieu of 20' <i>(per float)</i>	-\$1.00
<input type="checkbox"/>	5A Thermal cutout	\$10.00	<input type="checkbox"/>	16C 30' cord in lieu of 20' <i>(per float)</i>	\$5.00
<input type="checkbox"/>	5Y Seal leak indicator (two wire probe)	\$35.00	<input type="checkbox"/>	16D 40' cord in lieu of 20' <i>(per float)</i>	\$15.00
<input type="checkbox"/>	5Z Seal leak indicator (single wire probe)	\$30.00	<input type="checkbox"/>	17A SJE SignalMaster® / mounting strap ● <i>(per float)</i>	-\$2.00
<input type="checkbox"/>	6A Auxiliary alarm contact, form C type	\$15.00	<input type="checkbox"/>	17B SJE SignalMaster® / externally weighted ● <i>(per float)</i>	\$5.00
<input type="checkbox"/>	9_A Pump overload specify amperage after number 9 followed by letter "A". Example: 912A = 12 amp pump.		<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ <i>(per float)</i>	\$5.00
<input type="checkbox"/>	<input type="checkbox"/> 0-16 FLA	\$40.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ <i>(per float)</i>	\$7.00
<input type="checkbox"/>	<input type="checkbox"/> 16-20 FLA	\$50.00	<input type="checkbox"/>	17E Sensor Float® Mini / pipe clamp ▲ <i>(per float)</i>	-\$2.00
<input type="checkbox"/>	10E Lockable latch	\$30.00	<input type="checkbox"/>	17F Sensor Float® Mini / externally weighted ▲ <i>(per float)</i>	\$5.00
<input type="checkbox"/>	11C NEMA 1 alarm panel <i>(must select option 6A)</i>	\$65.00	<input type="checkbox"/>	19X Door mounted pump run indicator	\$30.00
<input type="checkbox"/>	11D NEMA 4X alarm panel <i>(must select option 6A)</i>	\$170.00	<input type="checkbox"/>	21A SJE PumpMaster® in lieu of on/off switches ●	-\$10.00
			<input type="checkbox"/>	21B SJE PumpMaster® Plus in lieu of on/off switches ●	\$16.00
			<input type="checkbox"/>	21C Super Single® in lieu of on/off switches ▲	\$16.00
			<input type="checkbox"/>	21D Double Float® in lieu of on/off switches ▲	\$30.00

● Mechanically-activated ▲ Mercury-activated

SAMPLE

	SGS	0	W	1	1	4	X	1A 5A 912A 10E	
MODEL									
Alarm Package									
Enclosure Rating									
Starting Device									
Pump Full Load Amps									
Pump Disconnect									
Float Switch Application									
Options: Beacon Only, Thermal Cutout, Pump Overload, Lockable Latch									
									LIST PRICE SGS \$719.00
									0 -\$55.00
									W Base
									1 Base
									1 Base
									4 Base
									X -\$75.00
									1A \$10.00
									5A \$10.00
									912A \$40.00
									10E \$10.00
									TOTAL LIST PRICE \$659.00