

Three-Phase Smart Controller

STP-SCIII is designed to replace three-phase motor starters in both new and existing locations. The STP-SCIII controller provides valuable pump protection and performance features for an economical price.



Specifications:

- Enclosure size: 9-1/16" x 7-6/8" x 5-1/2" (230 mm x 196 mm x 140 mm).
- Compatible with three-phase FE Petro 3 and 5 hp submersibles and most competitive makes.
- Relay rating: 5 hp.
- Relay coil Amp consumption when pump is operating: 80 mA.
- Relay coil (hook) signal rating: 120 VAC.
- Pump "ON" indication is provided by flashing green light.
- Power "ON" indication is provided by steady green light.
- Flashing red light indicates fault condition. Number of flashes indicates specific fault.
- Audible alarm alerts operator of fault.
- Built-in voltage surge protection.
- Flashing yellow light indicates RS 485 is communicating.
- RS 485 com port.

Approvals

- Consult factory for applicable approvals.

Quality Certification

- Franklin Fueling Systems is an ISO 9001 Certified Manufacturer.

Advantages

Easy Retrofit - The STP-SCIII is compatible with most existing three-phase submersibles from 3 to 5 hp. Retrofitting existing stations is as simple as replacing the existing three-phase motor with the STP-SCIII. No additional wiring is required.

Continuous Diagnostics - The STP-SCIII constantly monitors for abnormal conditions that reduce motor life or cause down-time. When any of these conditions exists, the STP-SCIII will alert the service technician to the source of the problem: dry run, extended run, overvoltage, undervoltage, relay fault, voltage/current unbalance, locked rotor, phase loss or open circuit.

Pump Auto-Start - Provides "on demand" automatic pump start of up to eight submersible pumps manifolded to the same discharge line. Lead pump starts to satisfy initial demand and additional pumps are started as demand increases, reducing power consumption and extending pump life.



STP-SCIII Three-Phase Smart Controller*

Part Number	Description
5800103200	STP-SCIII three-phase smart controller (when purchased with a 6" STP)
5800103200	STP-SCIII three-phase smart controller (when purchased without a 6" STP)

Notes: 1. One STP-SCIII required per submersible, relay rated for 30 Amps.

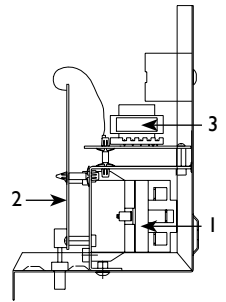
2. STP-SCIII models do not utilize the pump motor thermal overload wiring (blue leads).

*STP-SCIII is compatible with FE Petro 3 and 5 hp submersibles and competitive makes except the 460 and 575 Volt models.

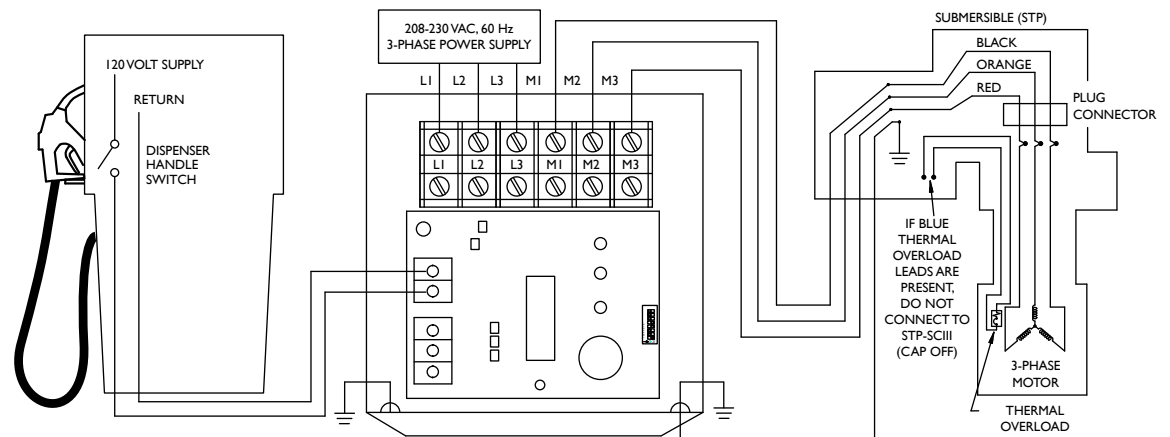
When purchasing STP-SCIII in equal quantities of fixed speed 6" STPs, the STP-SCIII will be invoiced at special discount pricing.

STP-SCIII Repair Parts

Item	Part Number	Description
1	223878101	Three-phase relay, 120 Volt coil
2	223905901	Logic board assembly
3	223910901	208-230 Volt power board assembly



STP-SCIII Three-Phase Smart Controller Standalone Wiring Diagram



Note: See product installation instructions for further details. Wiring must conform to all federal, state and local electrical codes. Motor control panel is for non-hazardous location use only.