



# SINGLE-PHASE SMART CONTROLLER

Designed to replace standard control boxes in both new and existing installations. The STP-SCI provides valuable pump protection and performance features never before offered in one economical controller.

## HIGHLIGHTS

- The STP-SCI is compatible with single-phase 1/3 hp through 2 hp STPs from FE PETRO® or other competitive models.
- Retrofitting an existing station requires replacing an existing control box with the STP-SCI and pressing the reset button to allow the controller to automatically “learn” the electrical characteristics of the pump.
- The STP-SCI automatically logs the last five abnormal conditions seen in the pumping system. This data is retained in non-volatile memory. Service technicians can then quickly view a history of abnormal conditions, particularly useful when troubleshooting intermittent conditions.

Feature	STP-SCI	Control Box
Dry run protection with automatic reset	Yes	No
Low voltage detection	Yes	No
Pump motor failure detection	Yes	No
Open circuit detection	Yes	No
Extended pump run detection	Yes	No
Slave pump auto start operation	Yes	No
Auto sequencing of manifold pump	Yes	No
Fault diagnostic lights	Yes	No
Pump operating light	Yes	Yes
High voltage surge protection	Yes	No
Fault history storage	Yes	No
Power “ON” light	Yes	No
External run light provision	Yes	Yes
Compatible with 1/3 through 2 hp	Yes	Yes
30 Amp line relay	Yes	Yes

## SPECIFICATIONS

- Controller size: 8½” × 5” × 3” (215 mm × 127 mm × 76 mm).
- Relay amperage rating: 30 Amps.
- Relay/hook signal voltage: 120/240 Volt.
- Compatible with all FE PETRO® single-phase submersibles and competitive makes.
- RS 485 com port which is provided to connect Smart Controllers to each or to FFS EVO™ Series automatic tank gauge (ATG) for enhanced functionality. When Smart Controllers are connects to the EVO™ Series ATG via Turbine Pump Interface (TPI), Smart Controllers and ATG can leverage shared intelligence to further enhance capabilities and run your business as efficiently as possible.

### Approvals

- Consult factory for other applicable approvals.

### Quality Certification

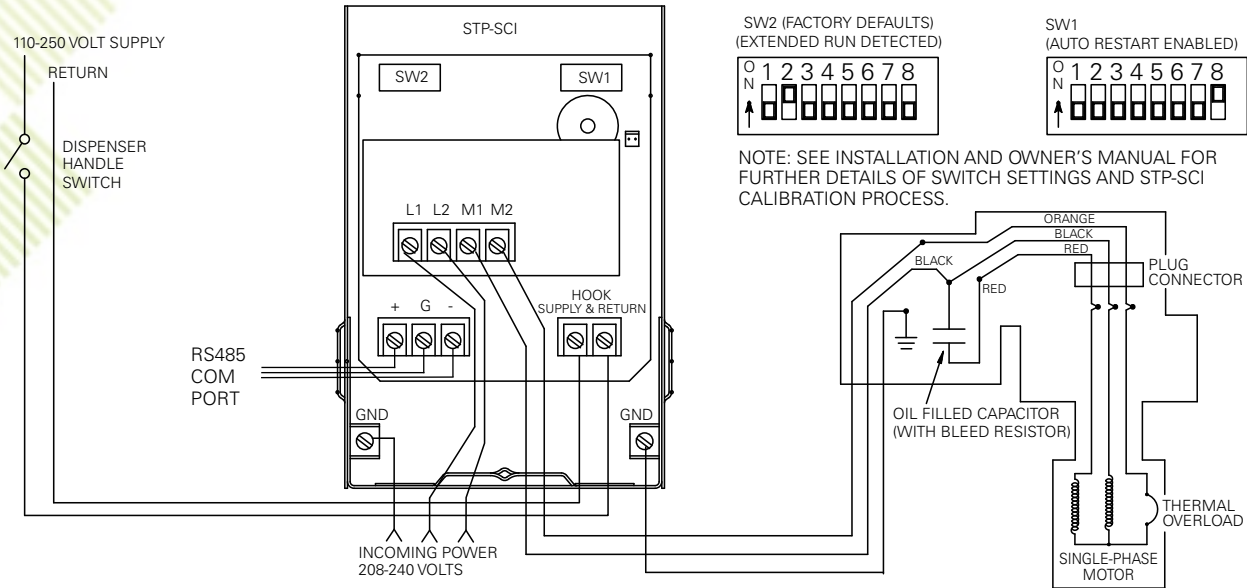
- Franklin Fueling Systems is an ISO 9001 Certified Manufacturer.

## ORDERING INFORMATION

Model	Description
402312921	STP-DHI-SCI, combo DHI with factory-wired STP-SCI
5800100215	STP-SCI, single-phase Smart Controller

**Notes:**

1. SCI models are compatible with all single-phase FE PETRO® submersibles and competitive makes.
2. One SCI required per submersible. Relay rated for 30 Amps (up to 2 hp).
3. SCI models are not compatible for use in master/slave configurations with STP-SC models.



Note: See product installation instructions for further details. Wiring must conform to all federal, state, and local codes. Control panels are for non-hazardous indoor use only.