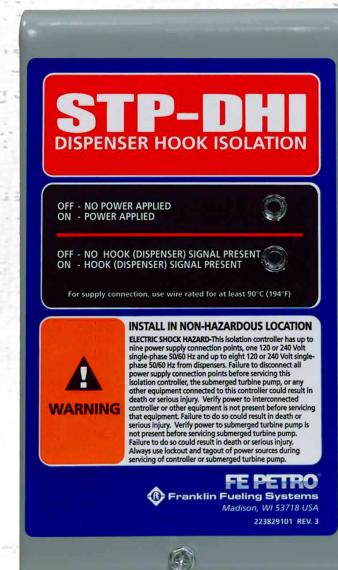


DISPENSER HOOK ISOLATION

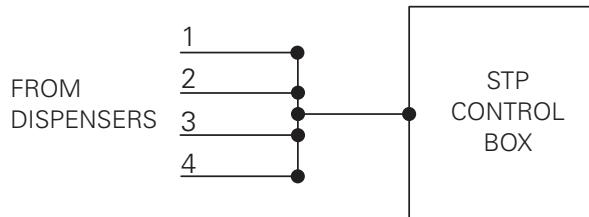
The FE PETRO® Dispenser Hook Isolation device prevents electrical feedback between dispenser hook circuits as required by most electrical codes.



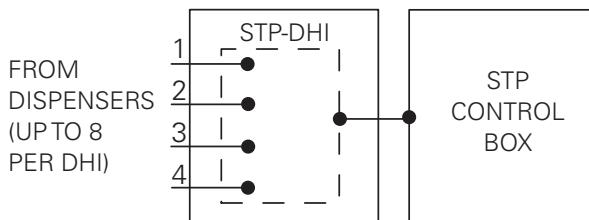
HIGHLIGHTS

- Optically isolates inputs from up to eight dispensers preventing damage to dispenser relay boards caused by cross-phasing.
- Prevents electrical feedback between dispenser hook circuits during periods of maintenance and service as required by NEC 514-3, 2002 and other international codes.
- Can be supplied factory-wired in tandem with a smart controller or standard control box.
- Eliminates false STP run due to voltage leakage of multiple dispensers connected in parallel.
- Fuse-protected output to submersible pump controller.
- The STP-DHI/STP-DHIB can retrofit to any existing site.

Conventional Wiring



STP-DHI Wiring



SPECIFICATIONS

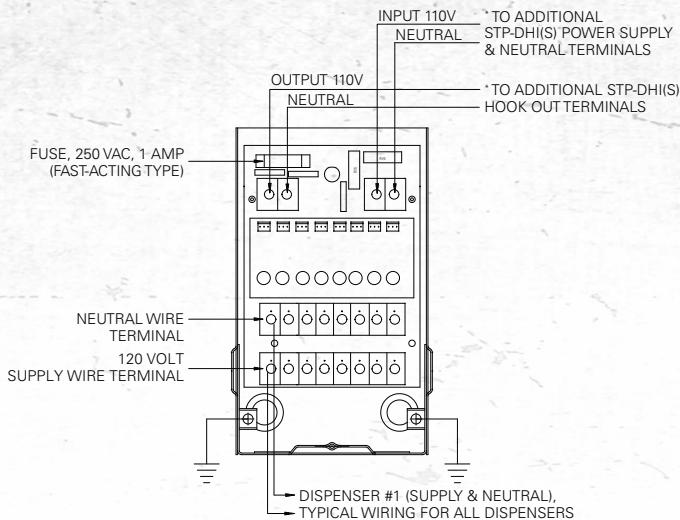
- Enclosure size: 8½" x 5" x 3" (215 mm x 127 mm x 76 mm).
- Eight optically isolated inputs from dispenser.
- One STP-DHI/STP-DHIB required per product grade for up to eight dispensers.
- STP-DHI: 120 V 30 V A input from supply, eight 120 V 10mA inputs from dispensers.
- STP-DHIB: 240 V 30 V A input from supply, eight 240 V 10mA inputs from dispensers.
- Output fuse rating: 250 V 1A, fast-acting.
- 300 Volt surge protection.
- Maximum ambient temperature rating: 120 °F.
- LEDs indicate when source power is applied and dispenser hook signals are present.
- Compatible with any submersible pump controller.

Approvals/Certifications

- Consult factory for applicable approvals.
- Franklin Fueling Systems is an ISO 9001 Certified Manufacturer.

SPECIFICATIONS

Dispenser Hook Isolation Wiring



Wiring is polarity-sensitive when multiple units are connected together.

ORDERING INFORMATION

Dispenser Hook Isolation, 110 Volt



Model	Description
5800300100	STP-DHI, dispenser hook isolation for 110 Volt dispenser handle switches, up to eight each
402312931	STP-DHI + SPGC-220 Guardian Series™ Single-Phase Controller bundle (220 Volt supply, 110 Volt hook)

DHI models are compatible with FE PETRO® submersible pump controllers and competitive pump controller makes accepting 120 Volt dispense hook signal.

DHI models can be connected together for products with more than eight dispenser handle inputs.

Dispenser Hook Isolation, 240 Volt



Model	Description
5800300200	STP-DHIB, dispenser hook isolation for 240 Volt dispenser handle switches, up to eight each
402312932	STP-DHIB + SPGC-220 Guardian Series™ Single-Phase Controller bundle (220 Volt supply, 240 Volt hook)

DHIB models are compatible with FE PETRO® submersible pump controllers and competitive pump controller makes accepting 240 Volt dispense hook signal.

DHIB models can be connected together for products with more than eight dispenser handle inputs.

Dispenser Hook Isolation Repair Parts

Model	Description
223885901	DHI circuit board, 120 Volt dispenser hook signal
223885931	DHIB circuit board, 240 Volt dispenser hook signal
223243103	DHI fast-acting fuse, 250 VAC, 1 Amp