

DISPENSER HOOK ISOLATION

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

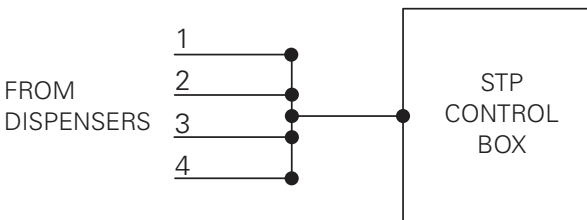
HIGHLIGHTS

- 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.

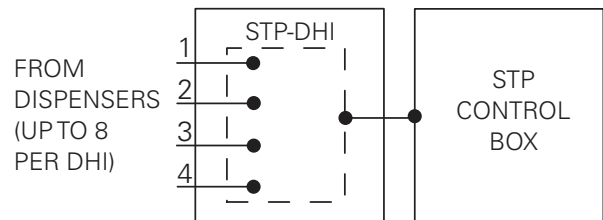
SPECIFICATIONS

Enclosure size	8½" x 5" x 3" (215 mm x 127 mm x 76 mm)
Inputs from dispenser	8 optically isolated inputs – (1) STP-DHI/STP-DHIB required per product grade for up to 8 dispensers
STP-DHI input	120 V, 30 A input from supply, eight 120 V, 10 mA inputs from dispensers
STP-DHIB input	240 V, 30 A input from supply, eight 240 V, 10 mA inputs from dispensers
Output fuse rating	250 V 1A, fast-acting
Surge protection	300 V
Maximum ambient temperature rating	120° F
LED indicator	When source power is applied and dispenser hook signals are present
Compatibility	Compatible with any submersible pump controller
Approvals/Certifications	– Consult factory for applicable approvals – Franklin Electric is an ISO 9001 Certified Manufacturer

Conventional Wiring

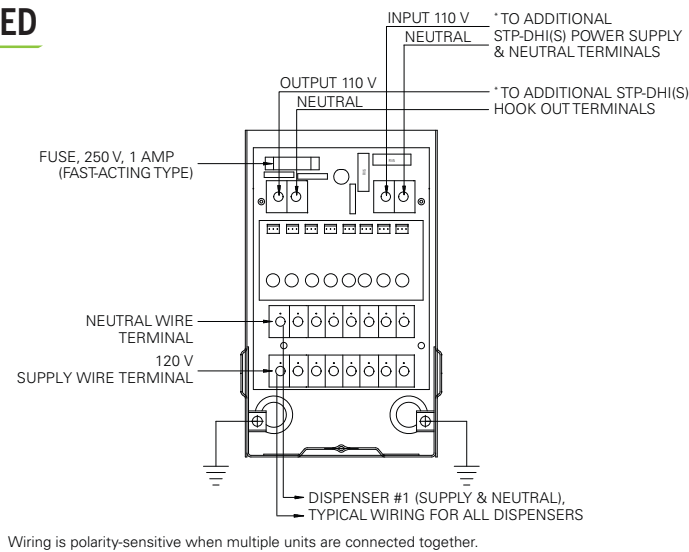


STP-DHI Wiring



SPECIFICATIONS CONTINUED

Dispenser Hook Isolation Wiring



ORDERING INFORMATION

Dispenser Hook Isolation, 110 V



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

DHI models are compatible with FE PETRO® submersible pump controllers and competitive pump controller makes accepting 120 V dispenser hook signal.
DHI models can be connected together for products with more than eight dispenser handle inputs.

Dispenser Hook Isolation, 240 V



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

DHIB models are compatible with FE PETRO® submersible pump controllers and competitive pump controller makes accepting 240 V dispenser hook signal.
DHIB models can be connected together for products with more than eight dispenser handle inputs.

Dispenser Hook Isolation Repair Parts (DHI & DHIB)



Model	Description
10000026753	DHI fast-acting fuse, 250 VAC, 1 Amp
223885901	DHI circuit board, 120 Volt dispenser hook signal
223885931	DHIB circuit board, 240 Volt dispenser hook signal