



Franklin Electric
FUELING SYSTEMS

REMOTE CONTROL SOLUTION

INSTALL GUIDE

10000016078 r3

MODEL

Enclosed Panel RCS



The information in this publication is provided for reference only. While every effort has been made to ensure the reliability and accuracy of the information contained in this document at the time of printing, we recommend that you refer to “franklinfueling.com” for the most current version of this document. All product specifications, as well as the information contained in this publication, are subject to change without notice. Franklin Electric does not assume responsibility and expressly disclaims liability for loss, damage, or expense arising out of, or in any way connected with, installation, operation, use, or maintenance by using this document. Franklin Electric assumes no responsibility for any infringement of patents or other rights of third parties that may result from use of this document or the products. We make no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

Copyright © 2025 Franklin Electric Co., Inc., Madison, WI 53718. All world rights reserved. No part of this publication may be stored in a retrieval system, transmitted, or reproduced in any way, including, but not limited to, photocopy, photograph, magnetic, or other record, without the prior written permission of Franklin Electric.

For technical support, please contact:

Franklin Electric Technical Support
Web: franklinfueling.com/support-center
Tel: +1 800 984 6266

For additional questions and concerns, please contact:

Franklin Electric
3760 Marsh Rd
Madison, WI 53718 USA
Web: franklinfueling.com
Tel: USA & Canada +1 800 225 9787 • Tel: UK +44 (0) 1473 243300
Tel: Mex 001 800 738 7610 • Tel: DE +49 6571 105 380 • Tel: CN +86 10 8565 4566

Power Integrity, EVO, and OVERSITE are trademarks of Franklin Electric Co., Inc.


10000016078 r3

CONVENTIONS USED IN THIS DOCUMENT

This document includes safety precautions and other important information presented in the following format:

NOTE: This provides helpful supplementary information.

IMPORTANT: This provides important supplementary information and instructions to avoid damaging hardware or a potential hazard.

 **CAUTION:** This indicates a potentially hazardous situation that could result in minor or moderate injury if not avoided. This may also be used to alert against unsafe practices.

 **WARNING:** This indicates a potentially hazardous situation that could result in severe injury or death if not avoided.


 **DANGER:** This indicates an imminently hazardous situation that will result in death if not avoided.


OPERATING PRECAUTIONS


Franklin Electric equipment is designed to be installed in areas where volatile liquids such as gasoline and diesel fuel are present. Working in such a hazardous environment presents a risk of severe injury or death if you do not follow standard industry practices and the instructions in this document. Before working with or installing the equipment covered in this document, or any related equipment, read this entire document, particularly the following precautions:


IMPORTANT: To help prevent spillage from an underground storage tank, make sure the delivery equipment is well-maintained, that there is a proper connection, and that the fill adaptor is tight. Delivery personnel should inspect delivery elbows and hoses for damage and missing parts.


 **CAUTION:** Use only original Franklin Electric parts. Substituting non-Franklin Electric parts could cause the device to fail, which could create a hazardous condition and/or harm the environment.

 **WARNING:** Follow all codes that govern the installation and service of this product and the entire system. Always lock out and tag electrical circuit breakers while installing or servicing this equipment and related equipment. A potentially lethal electrical shock hazard and the possibility of an explosion or fire from a spark can result if the electrical circuit breakers are accidentally turned on while installing or servicing this product. Refer to this document (and documentation for related equipment) for complete installation and safety information.

 **WARNING:** Before entering a containment sump, check for the presence of hydrocarbon vapors. Inhaling these vapors may cause dizziness/unconsciousness, and if ignited, can explode causing serious injury or death. Containment sumps are designed to trap hazardous liquid spills and prevent environmental contamination, so they can accumulate dangerous amounts of hydrocarbon vapors. Check the atmosphere in the sump regularly while work is in process. If vapors reach unsafe levels, exit the sump and ventilate it with fresh air before resuming work. Always have another person standing by for assistance.

 **WARNING:** Follow all federal, state, and local laws governing the installation of this product and its associated systems. When no other regulations apply, follow NFPA codes 30, 30A, and 70 from the National Fire Protection Association. Failure to follow these codes could result in severe injury, death, serious property damage, and/or environmental contamination.

 **WARNING:** Always secure the work area from moving vehicles. The equipment in this document is usually mounted underground, so reduced visibility puts service personnel working on it in danger from moving vehicles that enter the work area. To help prevent this safety hazard, secure the area by using a service truck or other vehicle to block access to the work area.

 **DANGER:** Inspect the installation location for potential ignition sources such as flames, sparks, radio waves, ionizing radiation, and ultrasound sonic waves. If any potential ignition sources are identified, implement proper safety measures.

Contents

1	Introduction.....	1
1.1	Documentation.....	1
1.1.1	Symbol Legend	1
2	Safety/Security	2
2.1	General Safety Information.....	2
2.2	Documentation Availability	2
2.3	Installation & Service Access	2
2.4	Hazard Assessment	3
2.5	Required Personal Protective Equipment (PPEs)	3
2.6	Cyber Security	3
2.7	Qualifications for a Certified Installer	4
2.7.1	Qualifications for Installation Certification.....	4
2.7.2	Responsibilities.....	4
3	Pre-Installation Overview	5
3.1	Upon Receipt of Item(s)	5
3.2	Site Preparation.....	5
3.3	Required Tools & Supplies.....	5
4	Technical Overview	6
4.1	Component Identification.....	7
4.2	Dimensions	8
4.3	Specifications.....	8
4.3.1	Torque Values	8
5	Installation.....	9
5.1	Panel Mounting Instructions.....	9
5.2	Wiring Instructions.....	9
5.2.1	Emergency Stop (E-Stop)	10
5.2.1.1	Reset Wiring.....	11
5.2.1.2	Push Button Identification (Option)	12
5.2.2	Panel Power Supply (RCS).....	12
5.2.3	Single-Phase Power	13
5.2.3.1	Single-Phase Dispenser Power	14
5.2.3.2	Single-Phase Forecourt Aux Power	15
5.2.4	Pump Controller Power	16
5.2.5	Single-Phase Aux Device Power	18
5.2.6	Dispenser Hook Isolation.....	19

5.2.7	Dispenser Data Disconnect.....	21
5.2.8	Multiple RCS Parallel Wiring	22
5.2.9	Commissioning & Troubleshooting Procedures	23
6	Appendix.....	24
6.1	Related Documents	24
6.2	Certifications & Approvals.....	24
6.3	Auxiliary Drawings	24
6.3.1	Health Monitoring Controller (HMC)	24
6.4	RCS Wiring Map.....	25
6.5	Notes	30

1 Introduction

The Power Integrity™ Remote Control Solution (RCS) fueling control panel combines the required dispenser/pump disconnects, dispenser hook isolation, low-voltage dispenser data disconnects, and E-stops into a single panel. The RCS also provides advanced device power status monitoring, remote E-Stop engagement, and remote power resetting capabilities for fuel system and C-store critical assets.

With OVERSITE™ remote monitoring and power cycling capabilities, C-Store operators can remotely reset fuel dispensers, site controllers, submersible pumps, and more, significantly reducing the need for costly on-site maintenance trips and eliminating the expenses associated with extended downtime.

1.1 Documentation

- Instructions of this document are in English. All other language versions are translations of this original document.
- Information given in this document is provided as a guide only.
 - The Illustrations depict a typical setup and are for instruction and description purposes only.
 - It is the installer's responsibility to ensure that correct and safe procedures are followed at the worksite.
- This document and related documents are available from Franklin Electric at www.franklinfueling.com.

1.1.1 Symbol Legend



Wear Protective Headwear



Wear Eye Protection



Wear Protective Clothing



Wear High-Visibility Clothing



Wear Protective Gloves



Wear Safety Footwear



Refer to instruction guide



Ventilate Before & During Entering



Ensure Continuous Ventilation



Connect an earth terminal to the ground



Lockout/Tagout Electrical Equipment



Disconnect main plug from electrical outlet



Disconnect before carrying out maintenance or repair



General Warning



Warning: Electricity



No open flame; Fire, open ignition source and smoking prohibited

2 Safety/Security

2.1 General Safety Information

- Procedures in this document are only to be performed by people qualified and certified to perform them (see §2.3 and §2.7).
- Personnel working on or with energized equipment must be authorized by relevant regulatory bodies to carry out such work and must have the appropriate training. Check with your employer and relevant regulatory body's rules for working with energized equipment.
- Obey all local laws, rules, regulations, and instructions in this document. In case of inconsistency or contradiction between information contained in this document and any laws, rules and regulations, obey the stricter of the two.
- Keep unqualified personnel at a safe distance during installation.
- If it is necessary to remove safety/security devices, immediately reinstall the safety/security devices after completing the work.

2.2 Documentation Availability

Upon installation completion, this document shall be transferred by the qualified person or manufacturer to the owner, operator, or other responsible person of the facility where the installation is done.

- Save this guide for future use, and make sure to provide it to anyone who services this equipment (see §2.3).
- Always reference the guide(s) that came with the equipment for a complete list of installation and safety precautions. The most current Franklin Electric documentation can be found online at www.franklinfueling.com.

2.3 Installation & Service Access

Certified Installer, Service, or Programmer*

Only Franklin Electric certified installers, service (technician) and programmers are allowed to access the RCS. See §2.7 for information on certification training.

**If the RCS is serviced by someone who is not a Franklin Electric certified installer, service (technician), or programmer, your warranty will be void.*

2.4 Hazard Assessment

Prior to beginning work and prior to recommencing work after leaving and returning to the worksite, a worksite, *pre-job hazard assessment* must be performed to identify safety and environmental needs. At a minimum, this hazard assessment should:

- Identify possible hazards and risks.
- Identify the safety needs of the job.
- Identify the correct procedures, practices and equipment.
- Eliminate unsafe conditions and actions from the worksite.
- Identify the need for personal protective equipment.
- Inspect equipment before use.
- Confirm sheaths of all cables are secured and undamaged.
- Confirm plugs and connectors are properly connected and serviceable.
- Perform ongoing risk assessment during the project.

2.5 Required Personal Protective Equipment (PPEs)

These PPEs are required during all phases of installation.



Wear Protective Clothing



Wear Eye Protection



Wear High-Visibility Clothing



Wear Protective Gloves



Wear Protective Headwear



Wear Safety Footwear

2.6 Cyber Security

This product is designed to be connected to and to communicate information and data via a network interface. It is solely the owner's responsibility to provide and continuously ensure a secure connection between the product and Owner's network or any other network (as the case may be).

The Owner shall establish and maintain appropriate measures (such as but not limited to the installation of firewalls, application of authentication measures, encryption of data, installation of anti-virus programs, etc.) to protect the product, the network, its system and the interface against any kind of security breaches, unauthorized access, interference, intrusion, leakage and/or theft of data or information. ***The Owner shall also ensure that the device and/or any connecting devices have the latest firmware version available to ensure device security features are up to date.***

The manufacturer, Franklin Electric and its affiliates are not liable for damages and/or losses related to such security breaches, any unauthorized access, interference, intrusion, leakage and/or theft of data or information.

2.7 Qualifications for a Certified Installer

Completion of this course is required *before certification test access will be granted for any other course (online or live)*:

- Fuel System Installation Safety

2.7.1 Qualifications for Installation Certification

To be considered “qualified” to install the RCS, individuals shall pass training from the following certification training courses (online or live), and possess licensing as listed:

Controller Specialist

- Remote Control Solutions: Installation
- Remote Control Solutions: Programming and Commissioning

Licensing

- Valid State Electrician’s License That Is:
 - Current.
 - In good standing with the state licensing agency.
 - NFPA 70E Arc Flash Awareness Training Certified.
 - Approved according to the applicable local laws, rules and regulations to perform the work.

FE Online or Live
Certification
Training



SCAN / CLICK

2.7.2 Responsibilities

The following responsibilities are for guidance only and are not limited to those listed here. It is the responsibility of:

- The owner of the install site(s) to ensure that all RCS installers shall be certified (see §2.7.1), follow all local laws, rules and regulations, along with the instructions and the specifications listed in this document.
- The certified user(s) to know the RCS and its safe use.
- The certified user(s) to have and maintain a valid Franklin Electric training certification (see §2.7.1).

3 Pre-Installation Overview

3.1 Upon Receipt of Item(s)

- Verify all items are in accordance with the order.
- Check all items for damage.
- If any item shows damage or is not in accordance with the order, inform Franklin Electric *immediately*.
- Remove the packaging material.
 - Follow all local laws, rules and regulations regarding disposal of discarded parts, packaging material or items and any subsequent components.

3.2 Site Preparation

Before starting installation, confirm the following have been satisfied:

- A mounting location conforming to specifications in § 4.3 has been designated.
- The RCS Panel dimensions match the panel install location dimensions (on site).
- An EVO™ 600 or 6000 Series console with an available Ethernet port 2 for remote capabilities is available.

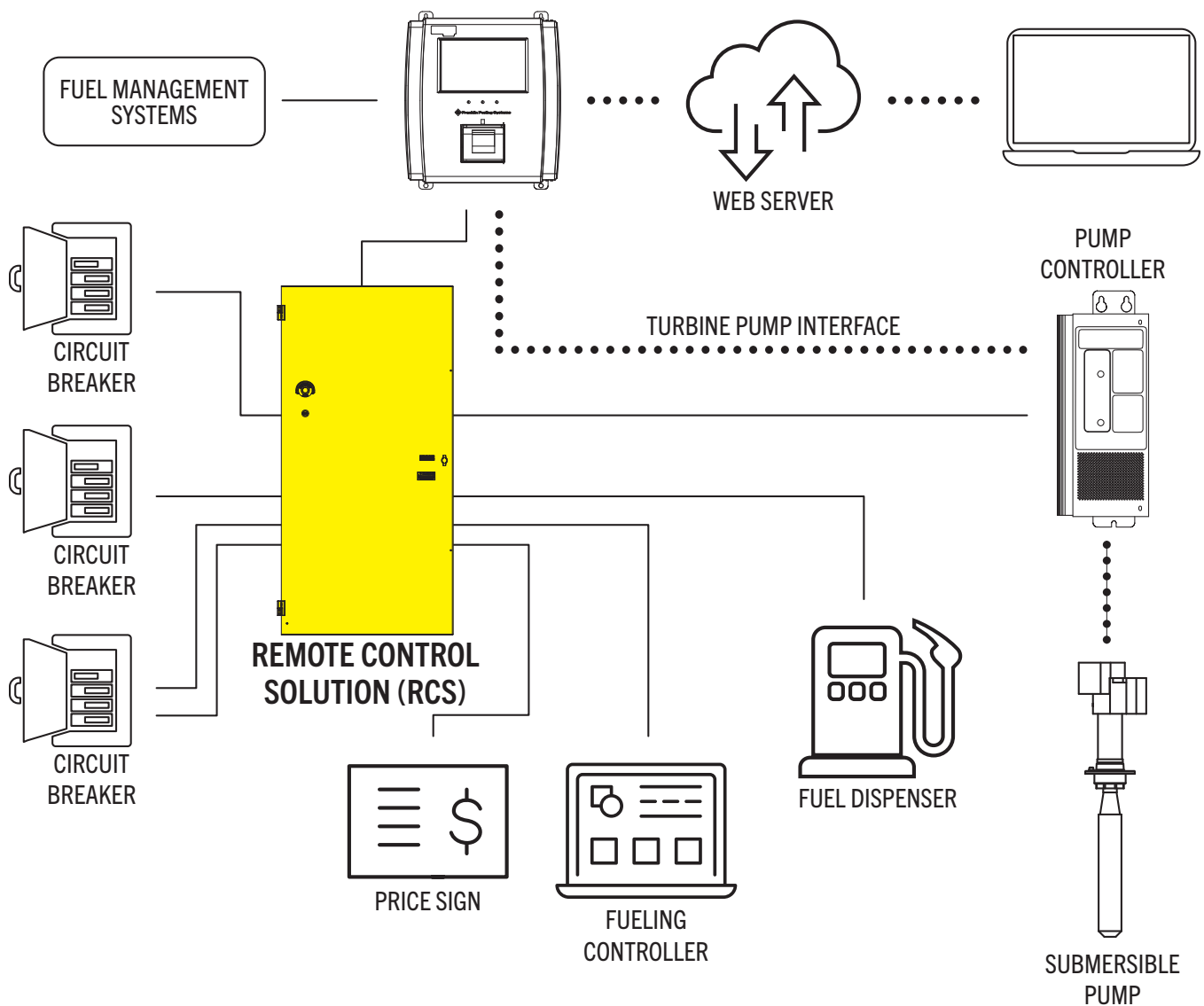
3.3 Required Tools & Supplies

Materials		Part Number
(2) 20 amp <i>dedicated</i> circuit breakers for the following circuits: <ul style="list-style-type: none">» E-Stop Circuit Power (one for every RCS on site)» RCS Control Power (one for every RCS on site)		Locally Sourced
E-Stop Push Buttons (<i>Normally Closed</i>)		
Emergency Reset Buttons (<i>Normally Open</i>)		
Circuit breakers for all other devices being controlled by the RCS		
Tools		
Drill	Multimeter	
Fire Extinguisher	Wire Cutter/Crimper	
Tape Measure	Conduit Cutter	
Assorted Tools (wrenches, socket wrench/sockets, screwdrivers, drill bits)	Permanent Marker	
Supplies		
Wire (follow local wiring code) <ul style="list-style-type: none">» #12-2 AWG (maximum wire size) for “PUMP MOD” relay blocks» #24–12 AWG (wire size range) for “1-PH MOD, ACIO MOD” terminals and 2-Tier terminal blocks		
Spade (Fork) Terminals	Zip Ties	
Electrical Tape	Conduit	

4 Technical Overview

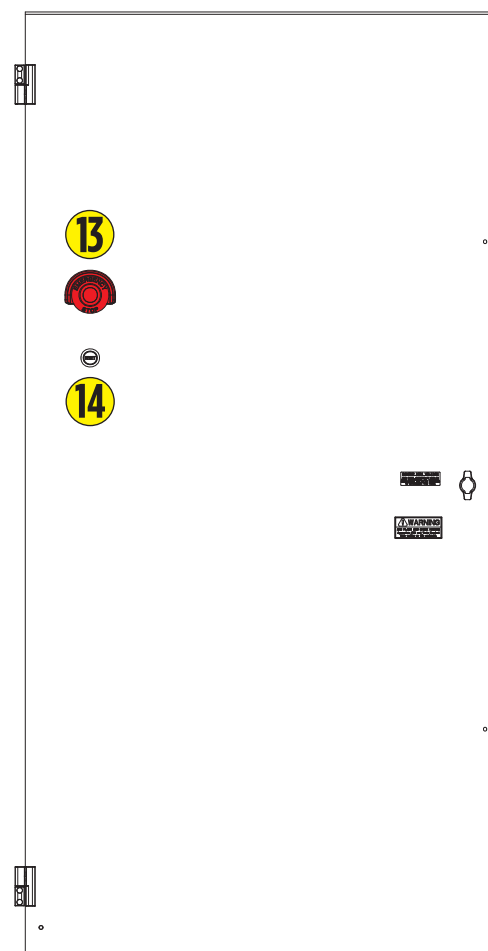
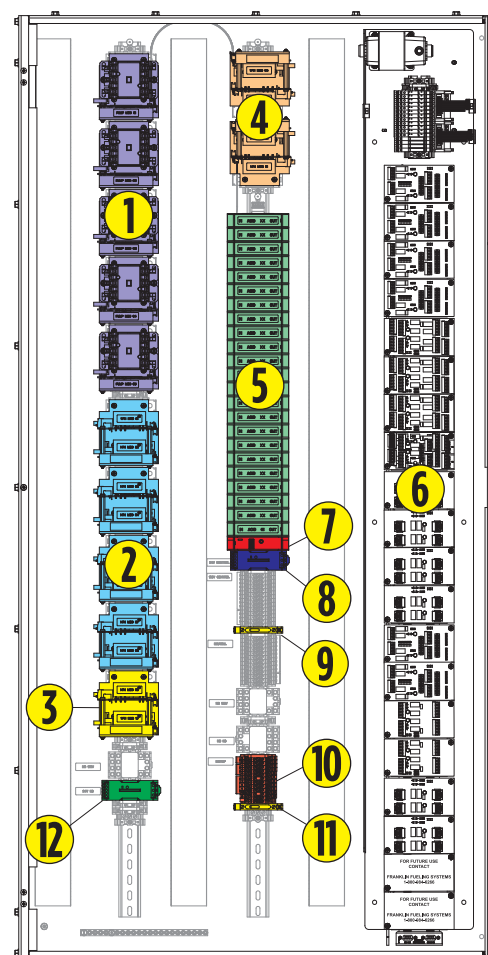
The RCS featuring OVERSITE™ technology provides the following functions:

- E-Stop Control
- Remote Power Cycling of Individual Devices
- Remote Sequencing of Multiple Devices
- Remote Power Status Monitoring
- Dispenser Hook Isolation
- Low Voltage Dispenser Disconnect for Dispenser Data
- E-Stop Push Button Identification (Optional)

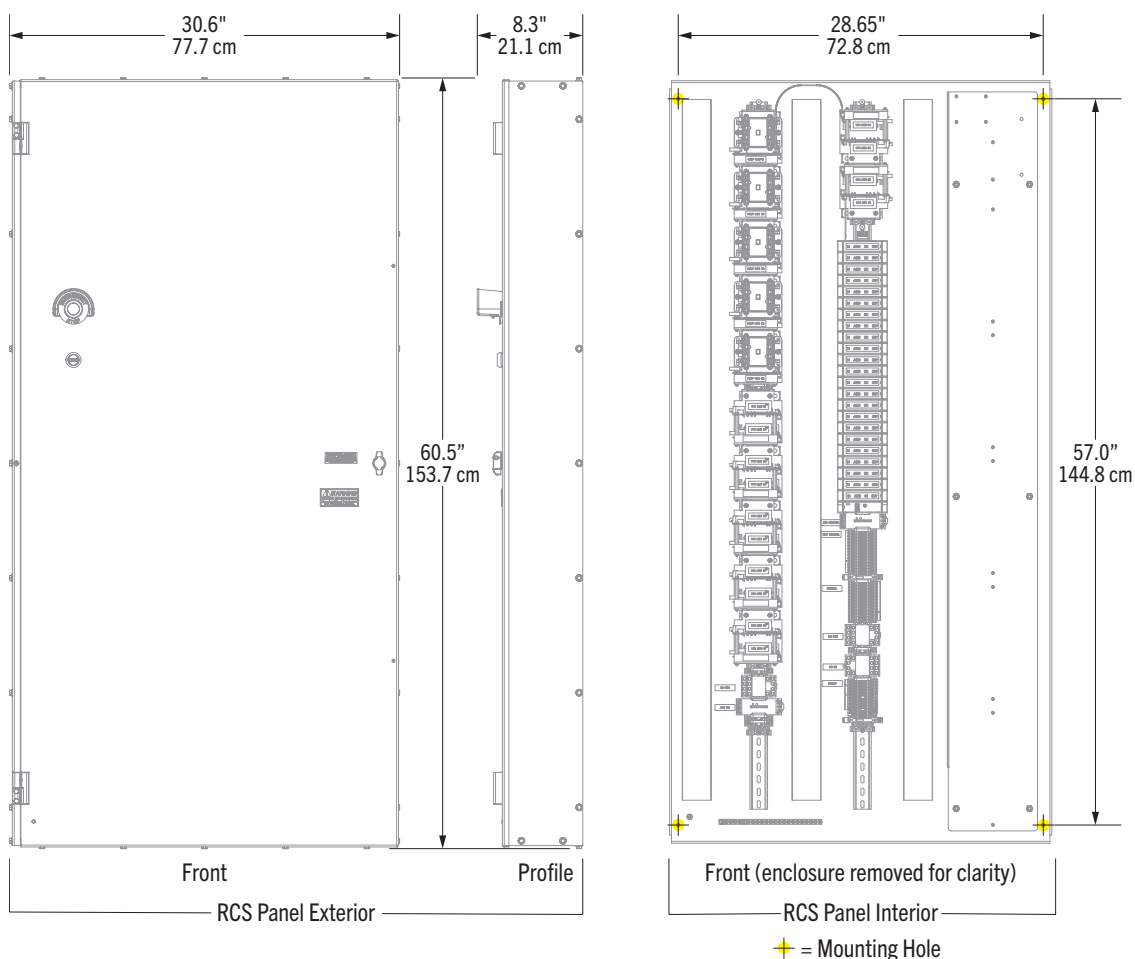


4.1 Component Identification

1. Pump Power Module (PUMP MOD)
 - E-Stop controlled
2. Dispenser Power Module (1-PH MOD)
3. Forecourt Aux Power Module (1-PH MOD)
 - E-Stop controlled
4. Auxiliary Single Phase Power Module (1-PH MOD)
 - Separate from E-Stop
5. AC Isolation Modules (ACIO MOD)
 - Dispenser Hook Isolation Modules
 - E-Stop Push Button Identification Module
6. Low Voltage Dispenser Disconnect (For specific details see §5.2.7)
7. Health Monitoring Controller (HMC)
8. 24 Volt Control Power Supply for Non E-Stop Protected Modules
9. Fuse Holder for Control Circuit “120 CTL”
10. E-Stop Terminal Group
11. Fuse Holder for E-Stop Circuit “FES EPL”
12. 24 Volt E-Stop Power Supply for E-Stop Protected Modules
13. E-Stop Push Button
14. E-Stop Reset Push Button



4.2 Dimensions



4.3 Specifications

Feature	Description
Operating Temperature	-40°F to 113°F (-40°C to 45°C)
Storage Temperature	-40°F to 149°F (-40°C to 65°C)
Operating Humidity	0 to 90% relative humidity
Weight – Enclosed Panel RCS	200 lbs (90.7 kg) or less
Frequency	50–60 Hz
Location	Locate the unit indoors, in a non-hazardous environment.
Safety Compliance	Designed to NFPA 70; NEC 2020; see § 6.2 for Certifications & Approvals

4.3.1 Torque Values

Item	Torque (in-lbs)	Torque (Nm)
4 pin terminal block plugs	4.4–5.3	0.5–0.6
Grounding terminals	13.3–15.9	1.5–1.8
Grounding bar terminal connections	Per local/NEC code	Per local/NEC code
Two tier terminal block connections	5.3–7.1	0.6–0.8

5

Installation



⚠ WARNING:

- Conduits must have EYS seal fittings installed in accordance with NFPA 70 (National Electric Code) and NFPA 30A (Automotive and Marine Service Station Code). Failure to seal conduits in accordance with NFPA 70, and NFPA 30A could allow flammable vapors to travel through the conduit in the RCS Panel. An explosion could result causing serious injury, property loss, or death.
- Make sure all power to the RCS panel is turned off, tagged, and locked-out at the power panel prior to performing any maintenance or installation work on the RCS panel or associated devices.
- This product has a magnetic field that can be harmful to pacemaker wearers. Pacemaker wearers must stay back 12" (30 cm).

⚠ CAUTION: Seal all threaded fittings and conduit threads to produce a weatherproof seal during installation/maintenance.

IMPORTANT: Read, understand, and follow information in §2, §3 and §4 before beginning any process in this section.

NOTE: When the installation is complete, make sure this guide is left with the service station owner or operator.

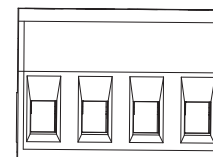
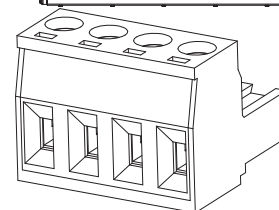
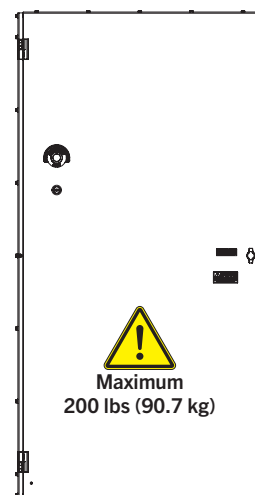
5.1

Panel Mounting Instructions

⚠ WARNING: RCS panels may weigh up to 200 lbs, depending on configuration. Be sure to have help to securely lift and position the panel until fasteners are completely installed.

NOTE: See §4 for technical information useful for RCS installation.

1. Install the RCS panel using .25" hardware suitable for the weight of the panel being installed and the material of the surface the panel will be mounted to.



5.2

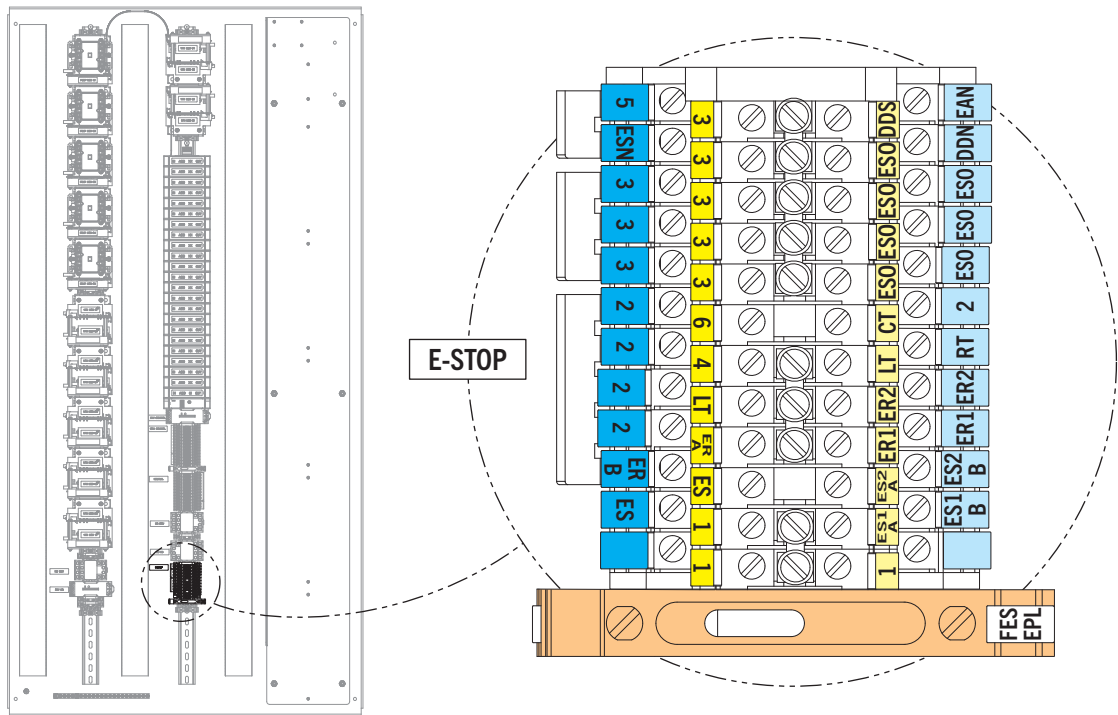
Wiring Instructions

NOTE:

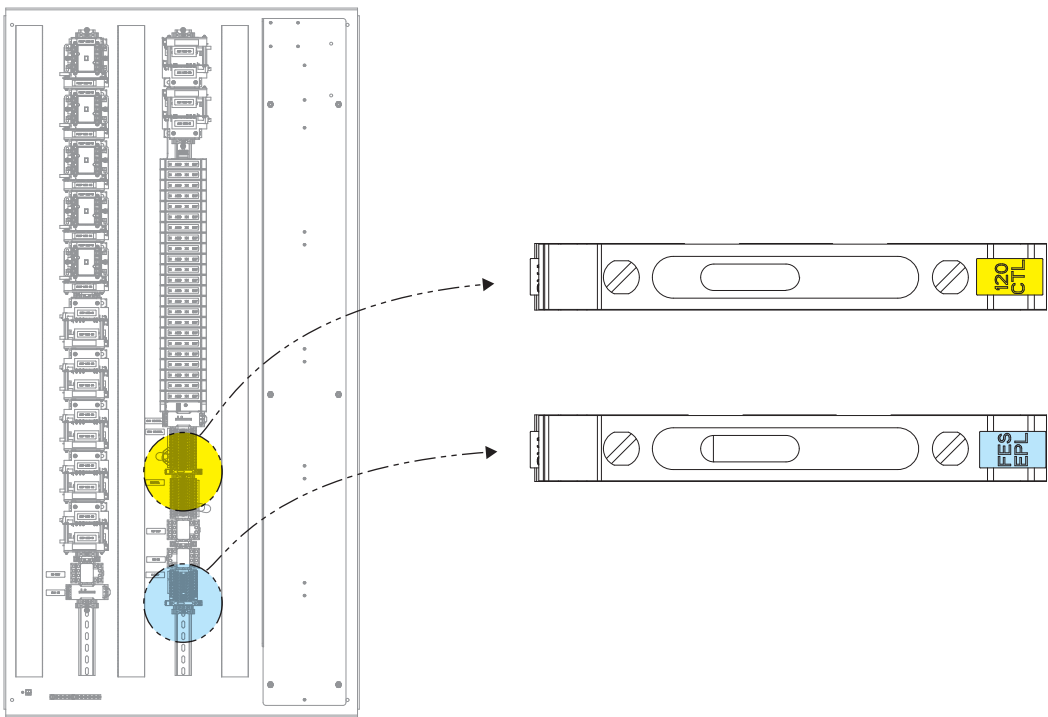
- See §4.1 for component locations in the RCS panel.
- See §6.4 for a table to record wiring information/mapping for later programming.
- Most modules utilize 4-pin plugs for the inputs/outputs as shown to the right.
- To ensure ease of maintenance and prevent strain on terminal connections, *all field wiring shall include a service loop of 6–12" (15–30 cm).*
- *Ensure wire selected complies with local regulations.*

5.2.1 Emergency Stop (E-Stop)

NOTE: To maintain compliance, a dedicated 20 A rated circuit breaker is required upstream of the E-Stop Push Button(s).

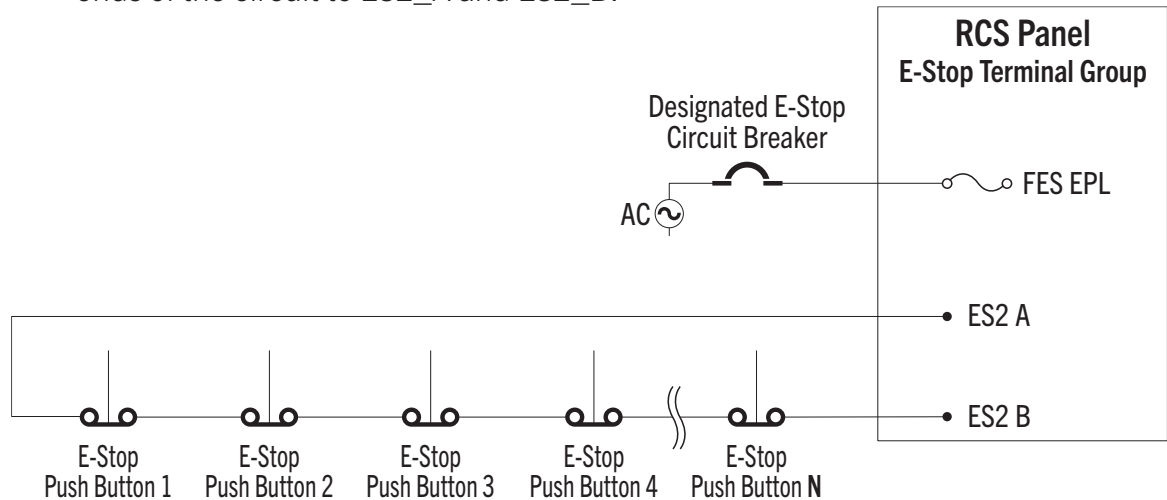


Fuse Holder (Control & E-Stop Circuits)



Procedure

1. Wire the E-Stop supply voltage to fuse block FES EPL (located at the beginning of the E-Stop Terminal Group) and *torque to 10.6–13.3 in-lbs (1.2–1.5 Nm)*.
2. Verify there is a fuse of 10 A rating within. *Replacement fuse must be of the same type and rating.*
3. Wire E-Stop Shut-Off Push Buttons (Normally Closed) in series and connect both ends of the circuit to ES2_A and ES2_B.



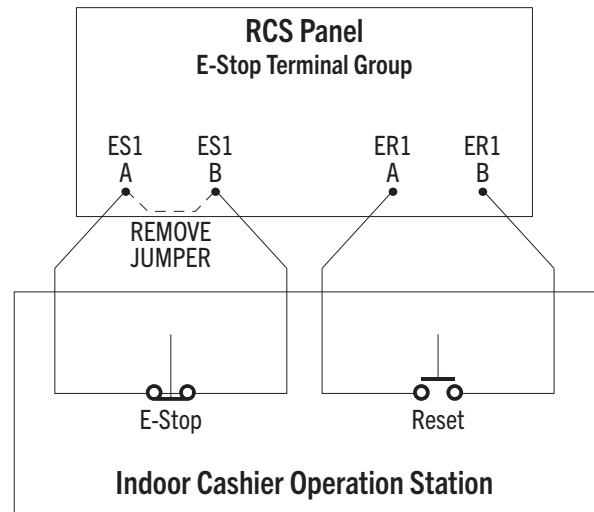
5.2.1.1 Reset Wiring

Cashier Reset Controls

1. Wire the E-Stop Reset (Normally Open) terminals in parallel to terminals ER1_A and ER1_B within the E-Stop Terminal Group.

Cashier E-Stop Controls

1. Remove the jumper between terminals ES1_A and ES1_B, then connect the E-Stop Push Button (Normally Closed) between these terminals and *torque to 5.3–7.0 in-lbs (0.6–0.8 Nm)*.



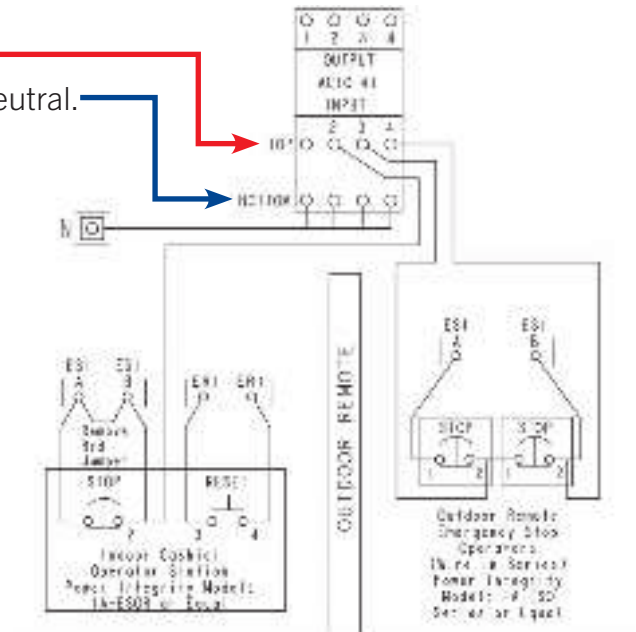
5.2.1.2 Push Button Identification (Option)

NOTE:

- Capacity for additional E-Stop push buttons may be available. Certain limitations apply to the quantity of ACIO Modules within the RCS.
- To use this feature, each E-Stop button needs to be wired to an available ACIO input terminal from the ES1 B side of the button. The ACIO Module will have two input plugs:
 - Front = the live wire.
 - Back = the corresponding neutral.

Procedure

1. Wire the E-Stop Option per the diagram to the right.
 - a. Connect the ACIO Module using the included terminal plug with a 12 or 14 AWG wire (based on rating) and *torque to 4.4–5.3 in-lbs (0.5–0.6 Nm)*.
2. Record where each E-Stop conductor is wired (for programming later).



5.2.2 Panel Power Supply (RCS)

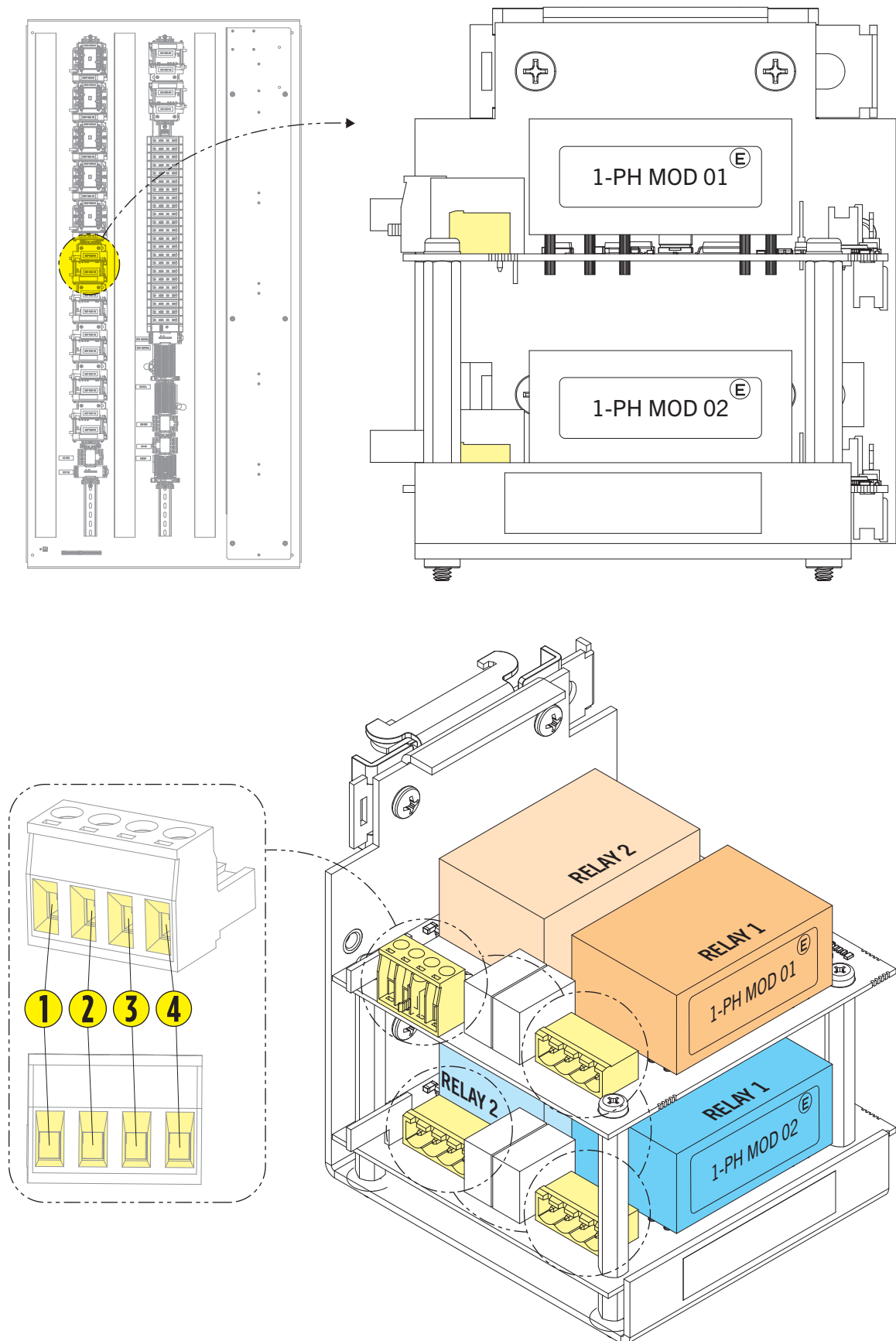
NOTE: To maintain compliance, a 20 A rated circuit breaker is required upstream of the RCS Panel.

Procedure

1. Connect a dedicated 20 A circuit breaker to the fuse block 120 CTL and *torque to 10.6–13.3 in-lbs (1.2–1.5 Nm)*.
2. Verify there is a fuse of 10 A rating within. *Replacement fuse must be of the same type and rating.*

5.2.3 Single-Phase Power

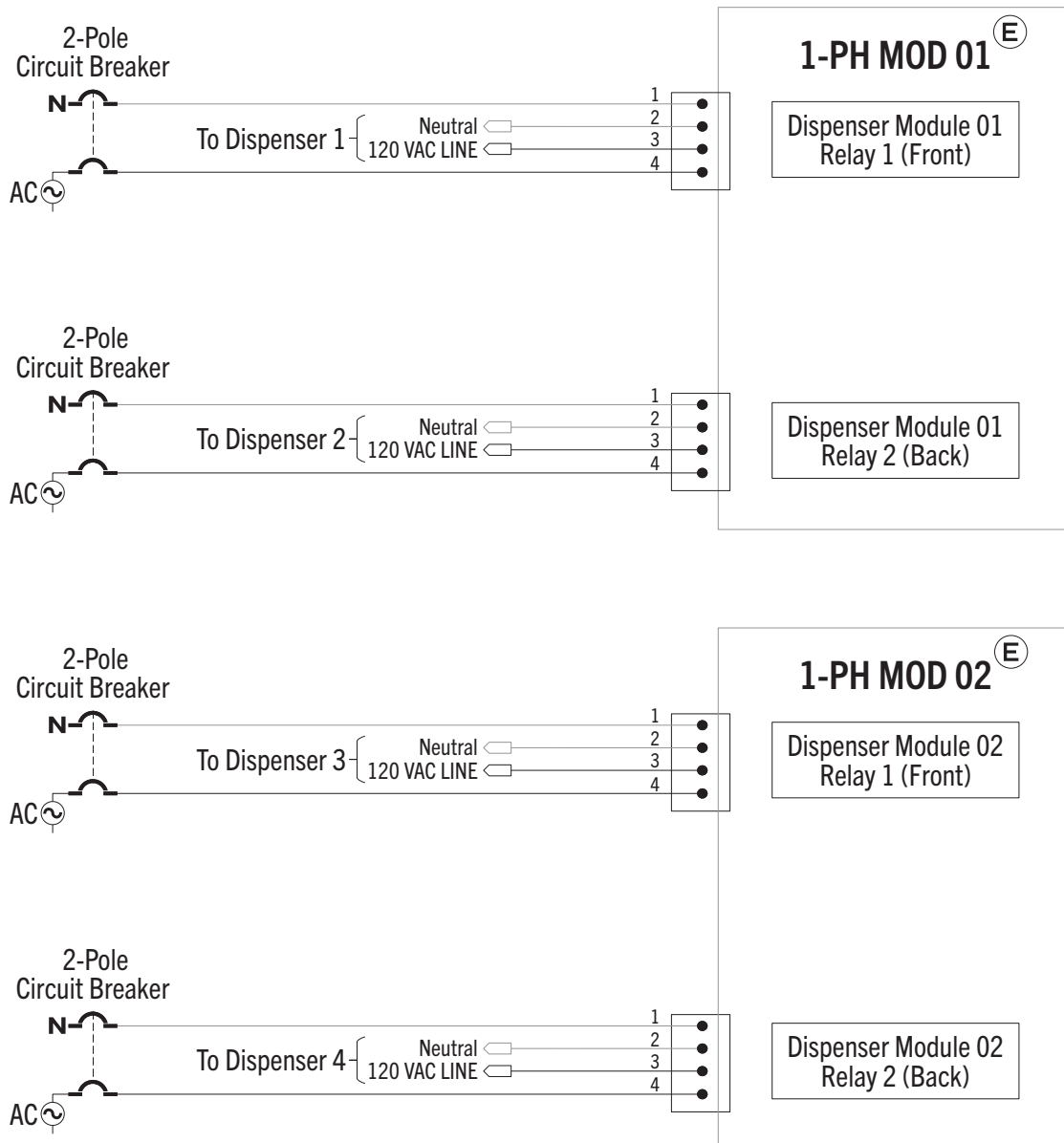
Dispenser & Forecourt Aux Power Module



5.2.3.1 Single-Phase Dispenser Power

Procedure

1. Wire the dispenser power per the diagram below.
 - a. Connect the 1-PH Module (Dispenser) using the included terminal plug with a 12–16 AWG wire and *torque to 4.4–5.3 in-lbs (0.5–0.6 Nm)*.
2. Record where each dispenser is wired with the module relay number (for programming later).

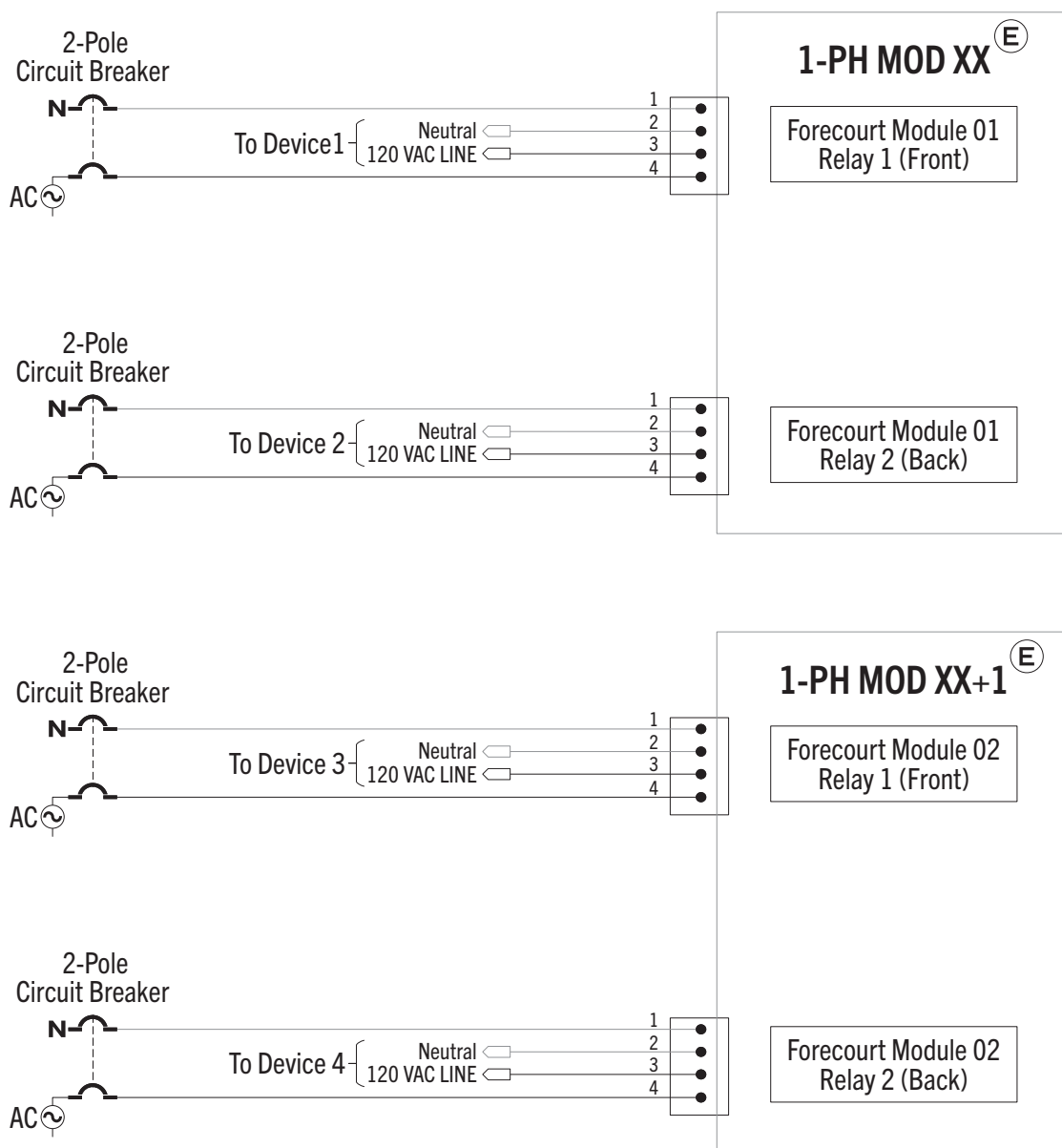


5.2.3.2 Single-Phase Forecourt Aux Power

NOTE: The first Single-Phase Forecourt Aux Module will be installed after the last Single-Phase Dispenser Module and labeled as 1-PH MOD XX where XX represents the subsequent number after the last Single-Phase Dispenser Module.

Procedure

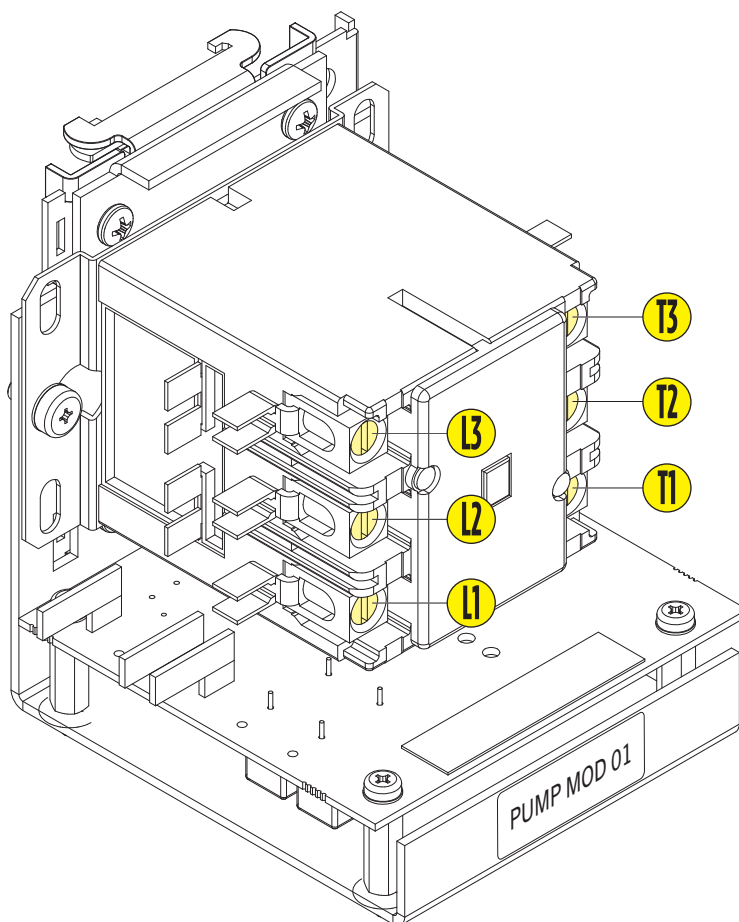
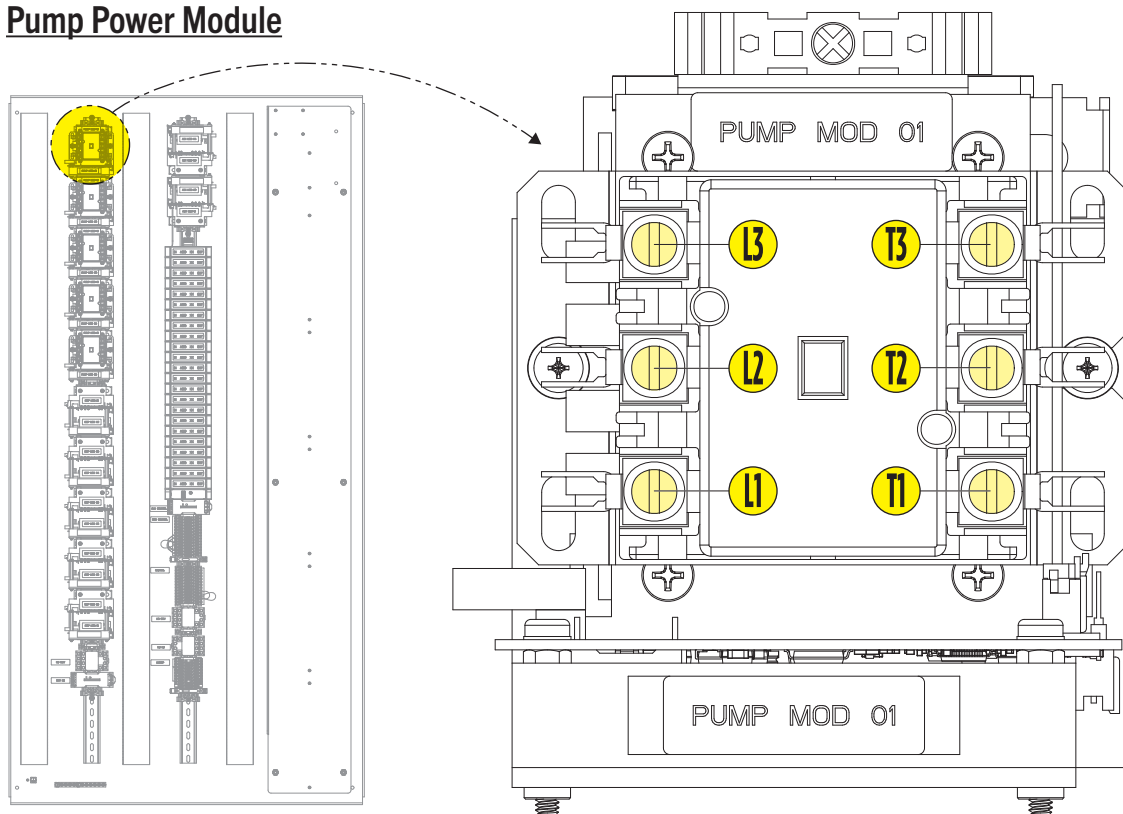
1. Wire the device power per the diagram below.
 - a. Connect the 1-PH Module (Aux Device) using the included terminal plug with a 12–16 AWG wire and *torque to 4.4–5.3 in-lbs (0.5–0.6 Nm)*.
2. Record where each Single-Phase Aux (E-stopped) device is wired with the module relay number (for programming later).



5.2.4 Pump Controller Power

NOTE: Each Pump Controller Module comes with Binder Head or Quick Connect terminals.

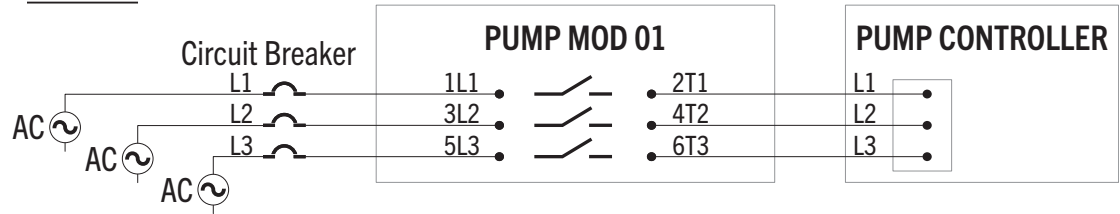
Pump Power Module



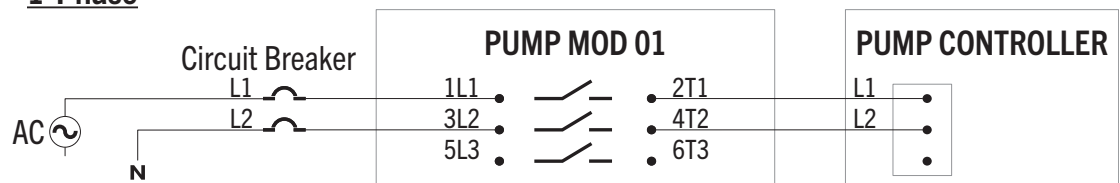
Procedure

1. Wire the controller power per the diagram below.
2. Record where each dispenser is wired with the module relay number (for programming later).

3-Phase

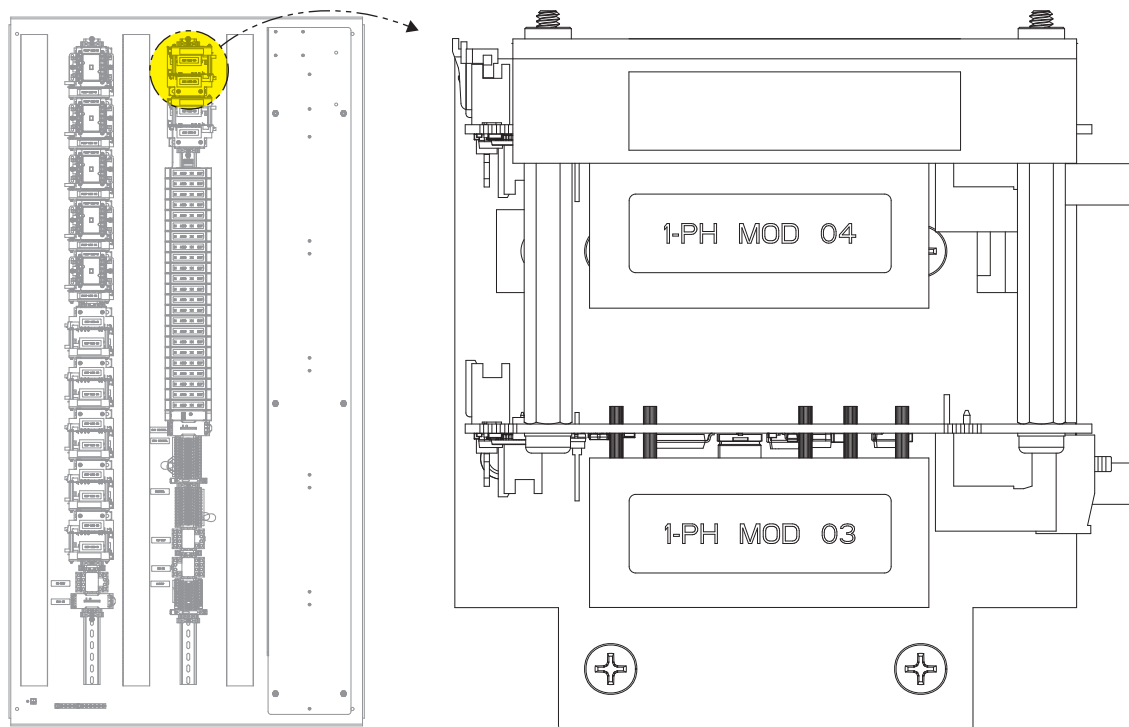


1-Phase



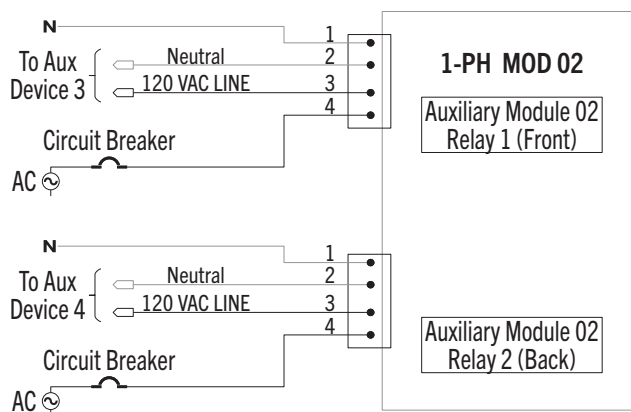
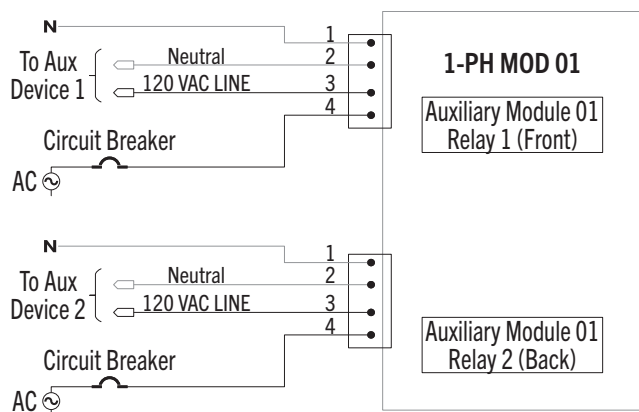
5.2.5 Single-Phase Aux Device Power

Auxiliary Single-Phase Power Module



Procedure

1. Wire the Aux Device power per the diagram below.
 - a. Connect the 1-PH Device (Aux) Module using the included terminal plug with a 12–30 AWG wire and *torque to 4.4–5.3 in-lbs (0.5–0.6 Nm)*.
2. Record where each Single-Phase Aux Device is wired with the module relay number (for programming later).



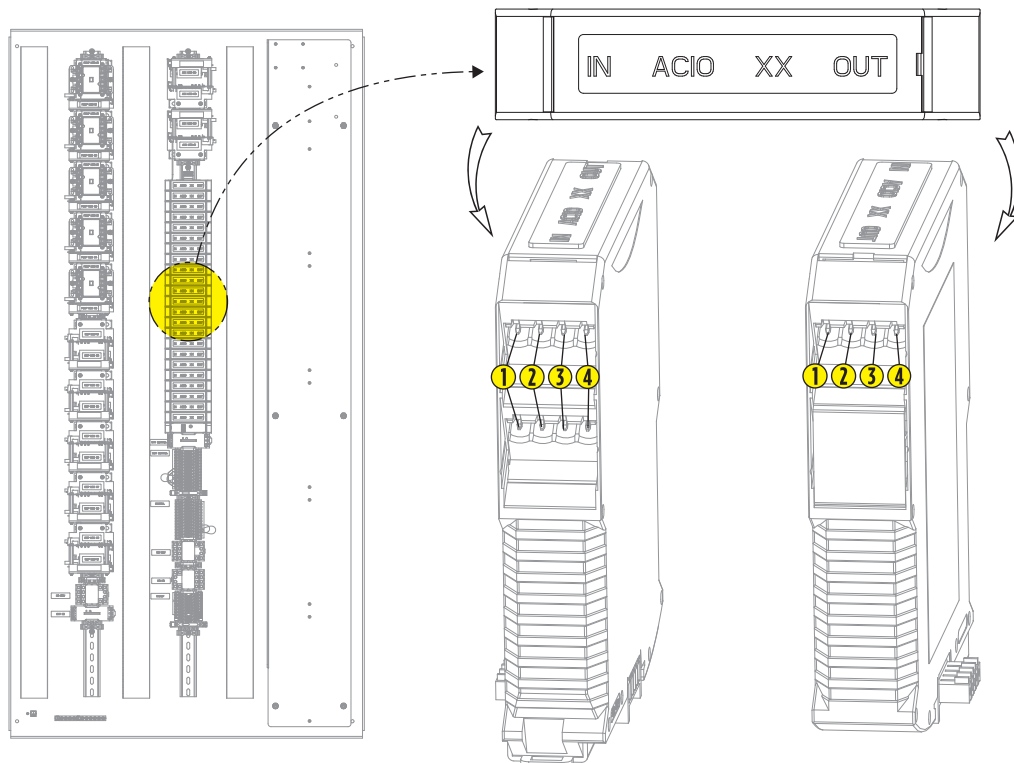
5.2.6 Dispenser Hook Isolation

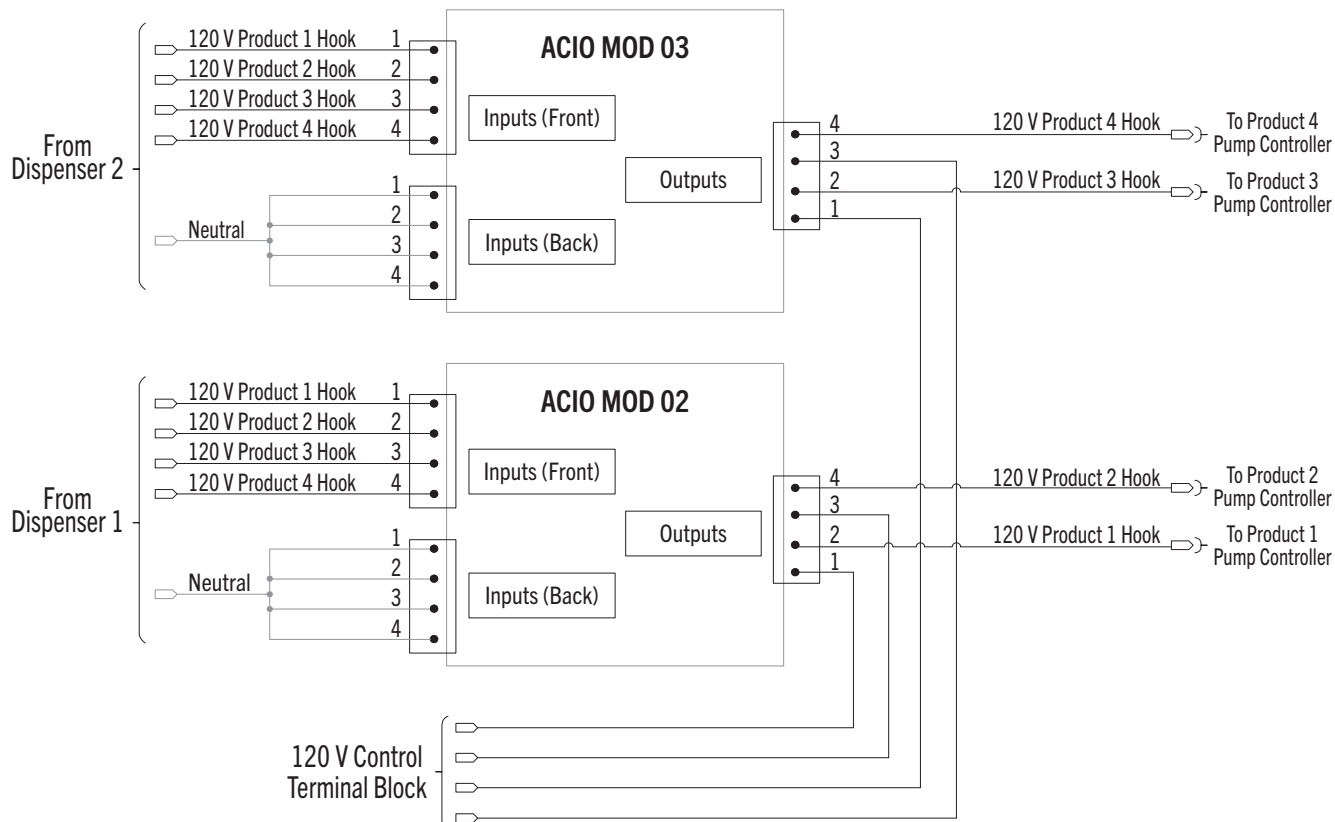
IMPORTANT: To maintain compliance with NEC 514-13, do not short the Dispenser Hook wires.

NOTE:

- Hook inputs/outputs won't always correlate to the same ACIO Module.
- The input on the ACIO Module will have two plugs:
 - Front = the live wire.
 - Back = the corresponding neutral.
- It is recommended to wire Dispenser 1 Hook wires into ACIO 02, Dispenser 2 Hook wires into ACIO 03, and so on. *If also wiring E-Stop ID, use the next available.*
- *Some Outputs may be factory pre-wired for Low Voltage Dispenser Data Disconnects.*

AC Isolation Module





Procedure

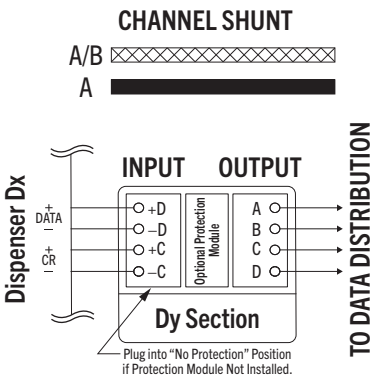
1. Wire the dispenser hook isolation per the diagram above.
 - a. Connect the ACIO Module using the included terminal plug with a 12 AWG wire and *torque to 4.4–5.3 in-lbs (0.5–0.6 Nm)*.
2. Record where each product and dispenser is wired (for programming later).

NOTE: Each ACIO Input requires a corresponding Neutral wired in order to operate properly. *Example: If hook inputs 1–4 are wired, then neutrals 1–4 need to be wired to the terminal.*

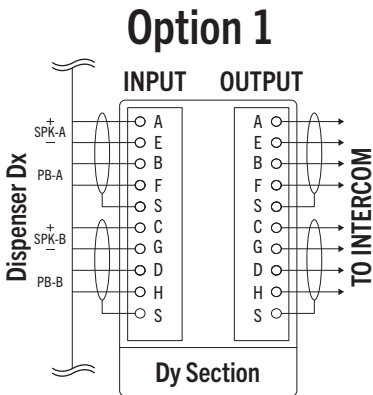
5.2.7 Dispenser Data Disconnect

LOW VOLTAGE CIRCUITS

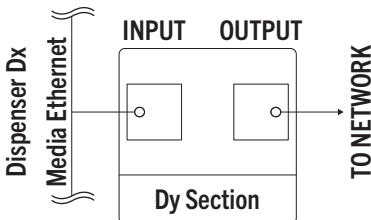
Bypass Channel Shunt		
	Disp Data	Card Data
A/B	Y	Y
A	Y	—
None	—	—



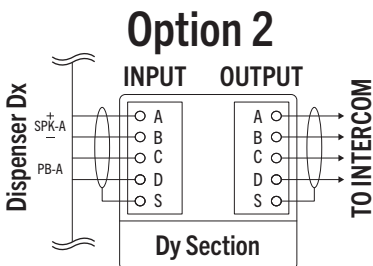
a DISPENSER & CREDIT CARD CONNECTIONS



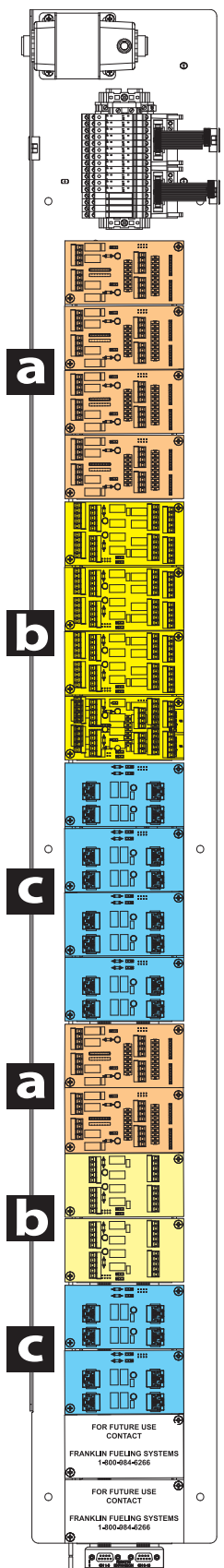
b DISPENSER 8 CONDUCTOR CONNECTIONS



c ETHERNET MEDIA CONNECTIONS



b DISPENSER 4 CONDUCTOR CONNECTIONS



5.2.8 Multiple RCS Parallel Wiring

NOTE:

- If a site is connecting *more than one* RCS to the EVO™, a FMP-NEB networking switch will be required.
- If a site requires more than one RCS on site, it is likely that E-Stop circuits must be wired together (follow local regulations).
- For this instruction, there will be a primary RCS followed by secondary RCS(s) which are connected in a cascading fashion. *Despite multiple Circuit Breakers, the Primary RCS will control E-Stop functionality of all subsequent RCS.*
- Cashier Control Push Button wiring (§5.2.1.2) is done on the Primary RCS only.
- E-stop Push buttons (§5.2.1) are wired on the last RCS in the chain.

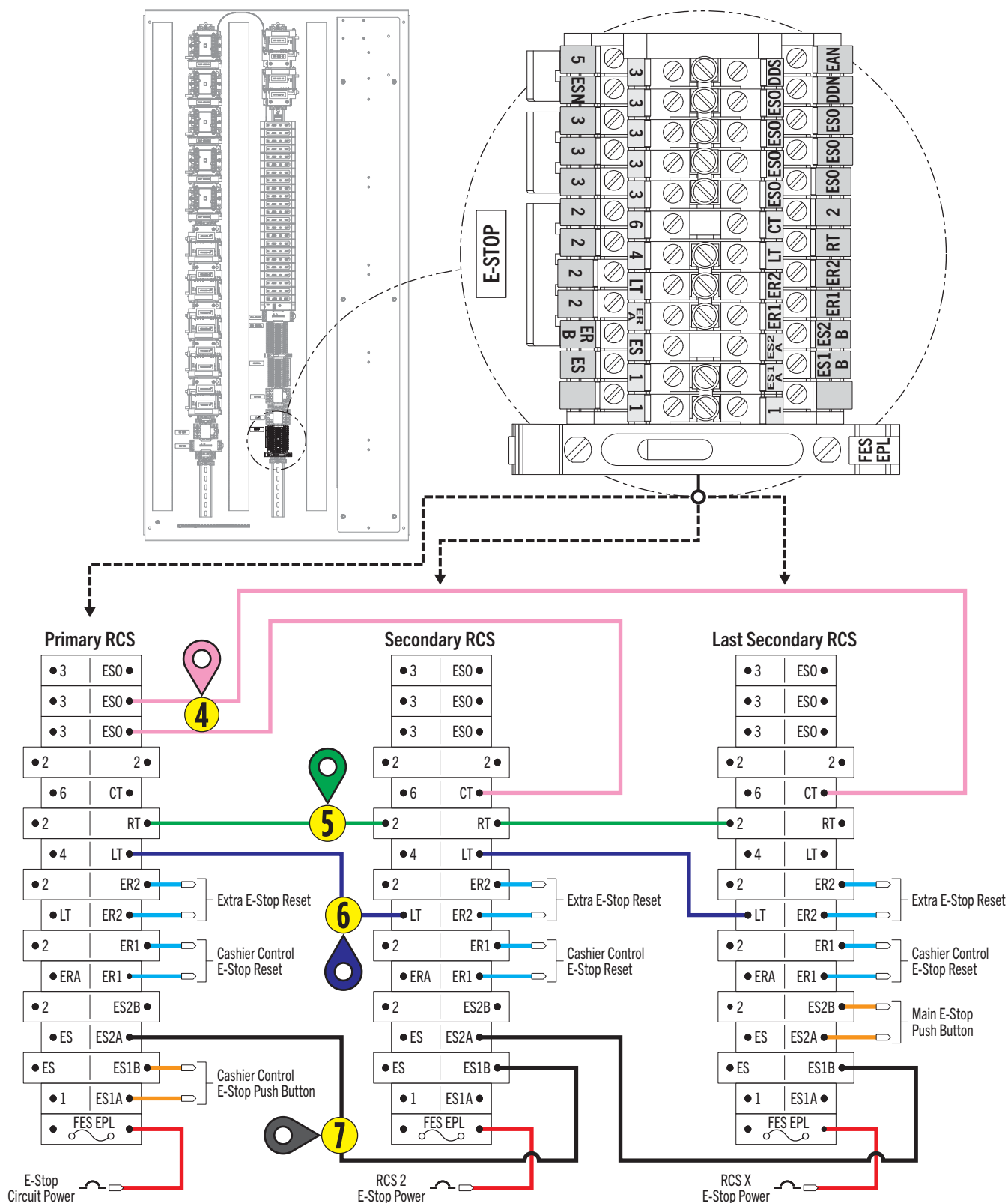
Procedure

NOTE: Wiring diagram shown on the next page.

1. On all RCS*, except the last secondary RCS, *remove the jumper between terminals ES2_A and ES2_B.*

NOTE: *This includes the primary RCS.

2. On all secondary RCS, *remove the jumper between terminals ES1_A and ES1_B.*
3. On all secondary RCS, *remove the jumper between terminals LT and CT.*
4. On the primary RCS, connect a wire to an open ESO terminal (on primary) and connect them to the corresponding CT terminal(s) of a secondary RCS (📍).
5. Starting with the primary RCS, *connect a wire from terminal RT to terminal 2 on subsequent RCS.* Repeat for all subsequent RCS (📍).
6. Starting with the primary RCS, *connect a wire from terminal LT to terminal LT on subsequent secondary RCS.* Repeat for all subsequent RCS (📍).
7. Starting with the primary RCS, *connect a wire from terminal ES2_A to terminal ES1_B on subsequent Secondary RCS.* Repeat for all subsequent RCS (📍).



5.2.9 Commissioning & Troubleshooting Procedures

In order to fully commission and troubleshoot the system, *programming of the RCS must be completed*. Please reference Franklin Electric document p/n 10000016079 Remote Control Solution Programming Guide, for commissioning and troubleshooting procedures.

6 Appendix

6.1 Related Documents

Documentation can be found online at www.franklinfueling.com.

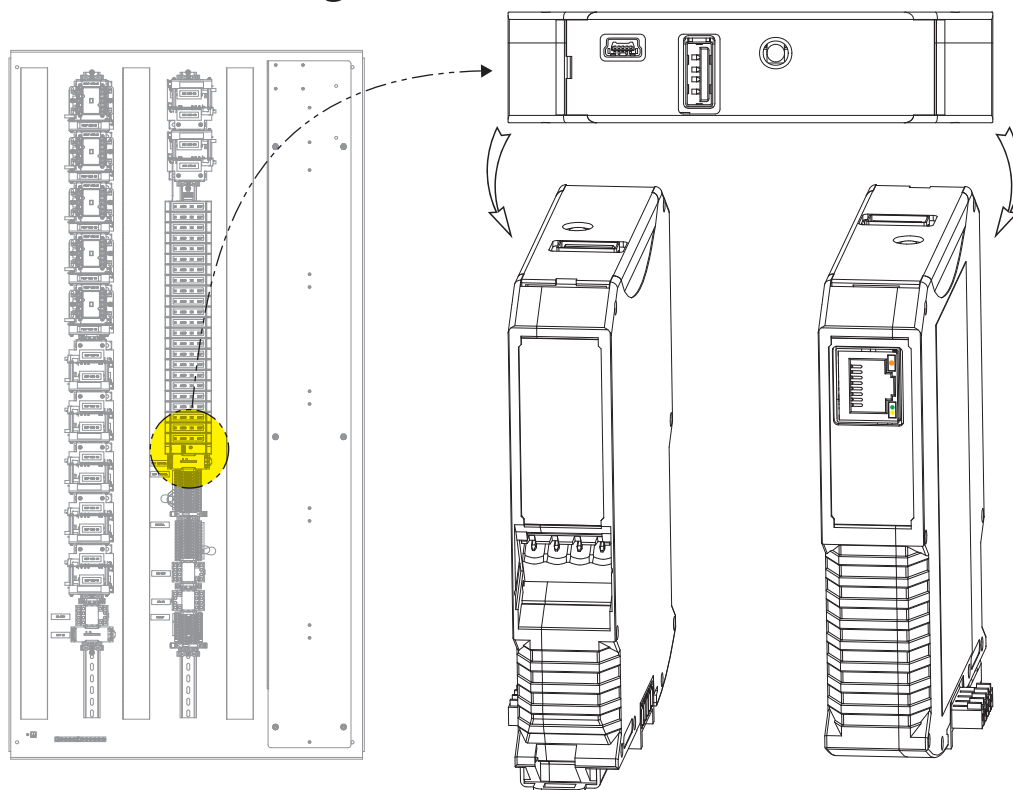
Part Number	Description
228180061	EVO® 600/6000 Programming Guide
10000016079	Remote Control Solution Programming Guide
10000017424	Remote Control Solution Operation Guide

6.2 Certifications & Approvals

Agency	Rating
Underwriter Laboratories	UL 508A Listed (Enclosed Industrial Control Panels)

6.3 Auxiliary Drawings

6.3.1 Health Monitoring Controller (HMC)



6.4 RCS Wiring Map

IMPORTANT: Please attach the completed tables to the RCS panel or otherwise provide it to the programmer/owner.

NOTE: It is recommended to use the more detailed TB0324-02 RCS Wiring Map found online via the QR-Code shown here.

TB0324-02 RCS
WIRING MAP



SCAN / CLICK

Pump Power Modules

Module	Wired To	Wired From (Panel Circuit Breaker)
PUMP MOD 01		
PUMP MOD 02		
PUMP MOD 03		
PUMP MOD 04		
PUMP MOD 05		
PUMP MOD 06		
PUMP MOD 07		
PUMP MOD 08		

Dispenser & Forecourt Power Modules

Module	Relay	Wired To	Wired From (Panel Circuit Breaker)
1-PH MOD 01 [Ⓔ]	1 (Front)		
	2 (Back)		
1-PH MOD 02 [Ⓔ]	1 (Front)		
	2 (Back)		
1-PH MOD 03 [Ⓔ]	1 (Front)		
	2 (Back)		
1-PH MOD 04 [Ⓔ]	1 (Front)		
	2 (Back)		
1-PH MOD 05 [Ⓔ]	1 (Front)		
	2 (Back)		
1-PH MOD 06 [Ⓔ]	1 (Front)		
	2 (Back)		
1-PH MOD 07 [Ⓔ]	1 (Front)		
	2 (Back)		
1-PH MOD 08 [Ⓔ]	1 (Front)		
	2 (Back)		

1-PH AUX Power Modules

Module	Relay	Wired To	Wired From (Panel/Circuit Breaker)
1-PH MOD 01	1 (Front)		
	2 (Back)		
1-PH MOD 02	1 (Front)		
	2 (Back)		
1-PH MOD 03	1 (Front)		
	2 (Back)		
1-PH MOD 04	1 (Front)		
	2 (Back)		
1-PH MOD 05	1 (Front)		
	2 (Back)		
1-PH MOD 06	1 (Front)		
	2 (Back)		
1-PH MOD 07	1 (Front)		
	2 (Back)		
1-PH MOD 08	1 (Front)		
	2 (Back)		

ACIO Module *OUTPUTS*

Module (Output)	Relay (Output)	Wired To
ACIO MOD 02	1	
	2	
ACIO MOD 03	1	
	2	
ACIO MOD 04	1	
	2	
ACIO MOD 05	1	
	2	
ACIO MOD 06	1	
	2	
ACIO MOD 07	1	
	2	
ACIO MOD 08	1	
	2	
ACIO MOD 09	1	
	2	
ACIO MOD 10	1	
	2	
ACIO MOD 11	1	
	2	
ACIO MOD 12	1	
	2	

ACIO Module *OUTPUTS*

Module (Output)	Relay (Output)	Wired To
ACIO MOD 13	1	
	2	
ACIO MOD 14	1	
	2	
ACIO MOD 15	1	
	2	
ACIO MOD 16	1	
	2	
ACIO MOD 17	1	
	2	
ACIO MOD 18	1	
	2	
ACIO MOD 19	1	
	2	
ACIO MOD 20	1	
	2	
ACIO MOD 21	1	
	2	

ACIO Module *INPUTS*

Module (Input)	Relay (Input)	Wired To
ACIO MOD 02	1	
	2	
	3	
	4	
ACIO MOD 03	1	
	2	
	3	
	4	
ACIO MOD 04	1	
	2	
	3	
	4	
ACIO MOD 05	1	
	2	
	3	
	4	
ACIO MOD 06	1	
	2	
	3	
	4	

ACIO Module *INPUTS*

Module (Input)	Relay (Input)	Wired To
ACIO MOD 07	1	
	2	
	3	
	4	
ACIO MOD 08	1	
	2	
	3	
	4	
ACIO MOD 09	1	
	2	
	3	
	4	
ACIO MOD 10	1	
	2	
	3	
	4	
ACIO MOD 11	1	
	2	
	3	
	4	
ACIO MOD 12	1	
	2	
	3	
	4	
ACIO MOD 13	1	
	2	
	3	
	4	
ACIO MOD 14	1	
	2	
	3	
	4	
ACIO MOD 15	1	
	2	
	3	
	4	
ACIO MOD 16	1	
	2	
	3	
	4	

ACIO Module *INPUTS*

Module (Input)	Relay (Input)	Wired To
ACIO MOD 17	1	
	2	
	3	
	4	
ACIO MOD 18	1	
	2	
	3	
	4	
ACIO MOD 19	1	
	2	
	3	
	4	
ACIO MOD 20	1	
	2	
	3	
	4	
ACIO MOD 21	1	
	2	
	3	
	4	

6.5 Notes



Franklin Electric

FUELING SYSTEMS