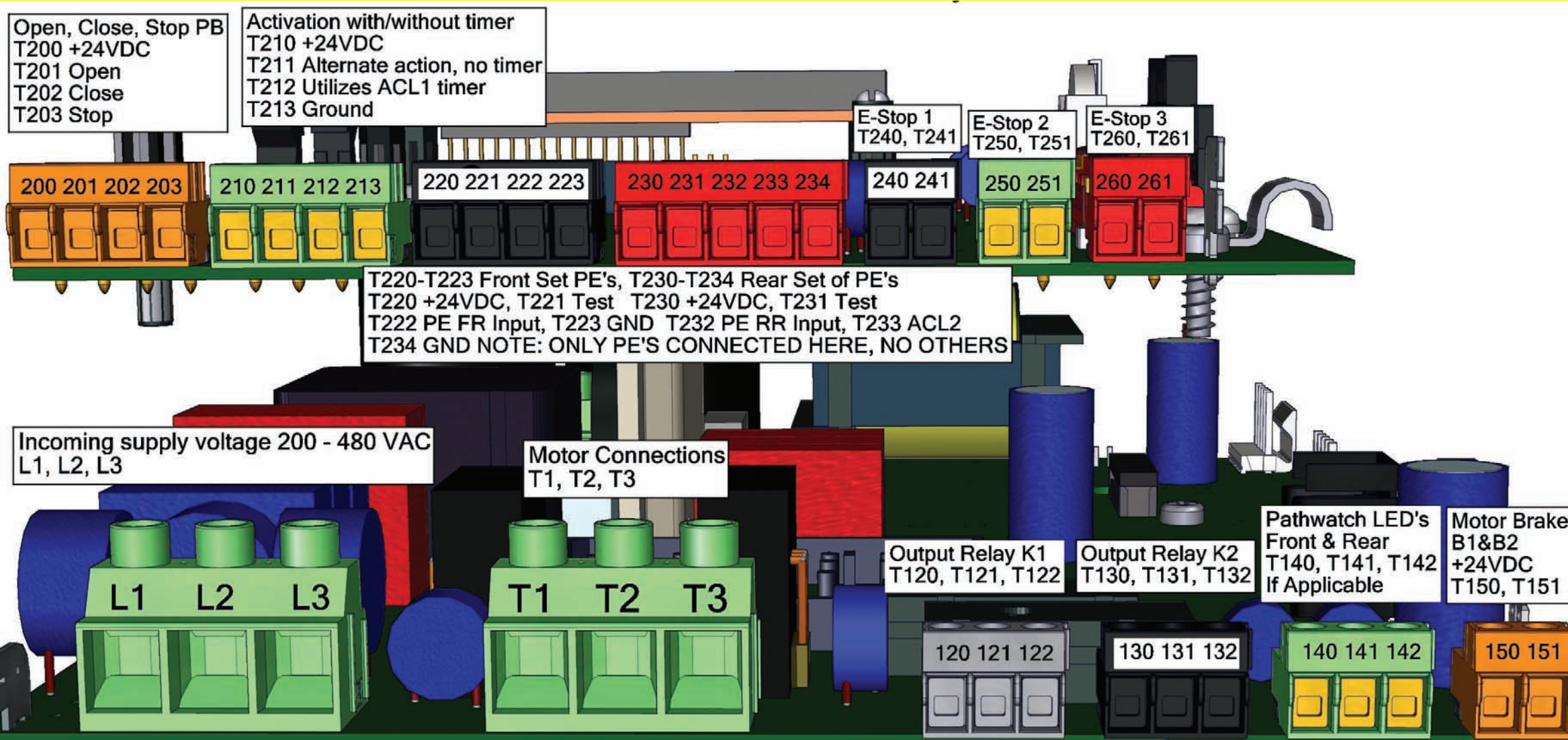
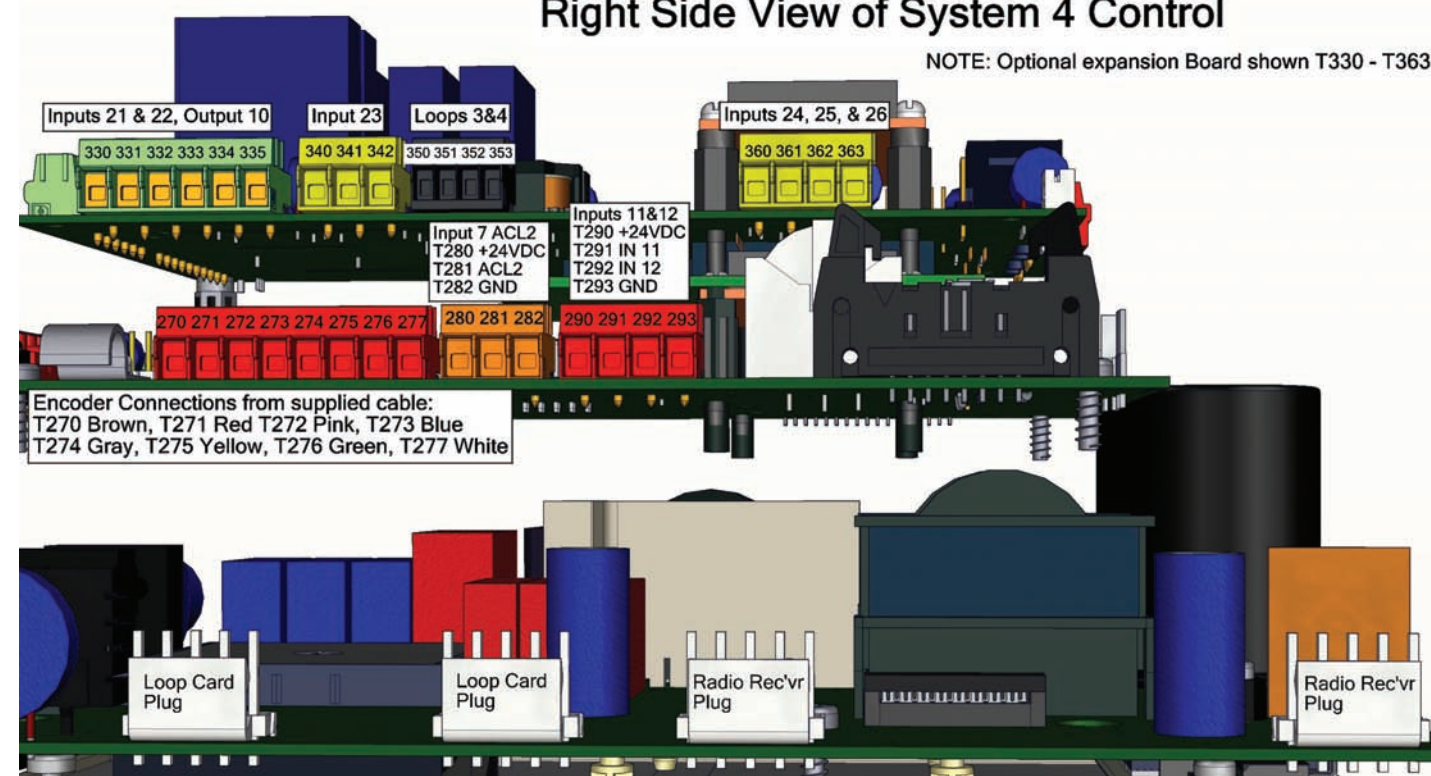


! WARNING All electrical connections/installations to be performed by a licensed electrician



Right Side View of System 4 Control

NOTE: Optional expansion Board shown T330 - T363



RYTEC

HIGH PERFORMANCE DOORS

Quick Guide: System 4™ Installation

Intended Audience: *Electricians*

Products Affected:

All door models with System 4
Controllers

Notice:

This quick guide should only be used
as a reference guide and is not a
replacement for the System 4 Drive
and Control installation manual. This
guide contains a full page of the control
board for reference and a side view to
reference optional activator cards.

Requirements:

Tools: drill, screwdrivers, level, wire
cutter, pliers, electric multi-meter.

Materials: System 4 new in box,
installation manual, mounting screws,
anchors for screws

! WARNING

Lockout & Tag out all electrical power be-
fore beginning installation. Grounding of
the power supply is essential to the safe-
ty of personnel as well as the operation
of the System 4 Drive & Control. Refer to
the System 4 Drive & Control installation
manual for complete instructions, safety
concerns and warnings.

RYTEC

HIGH PERFORMANCE DOORS

Rytec Technical Support
1-800-628-1909
helpdesk@rytecdoors.com

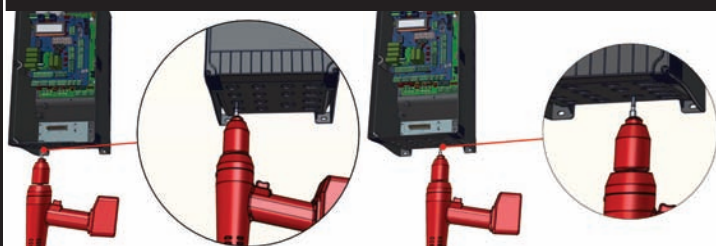
1. Confirm the door serial number in the System 4 enclosure matches the door serial number on the left side column.



2. Mount panel to wall. Use all 3 mounting tabs.

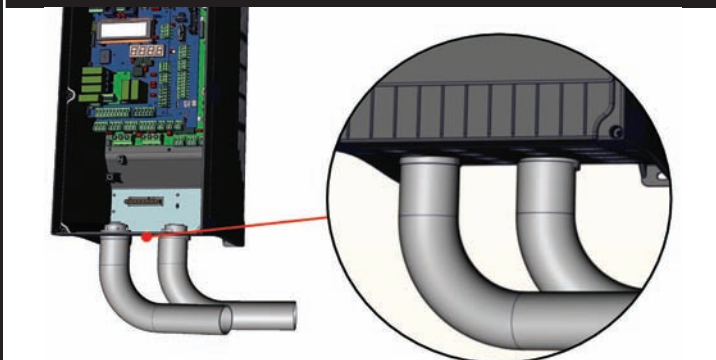


3. Drill hole for the high voltage 200-400 VAC conduit in bottom left corner. Also drill hole for low voltage conduit <30VDC bottom right.



Avoid a costly repair: All entries to be drilled into the bottom of the panel. High and Low voltage in separate conduits. Failure to will void the warranty.

4. Install connectors and conduits

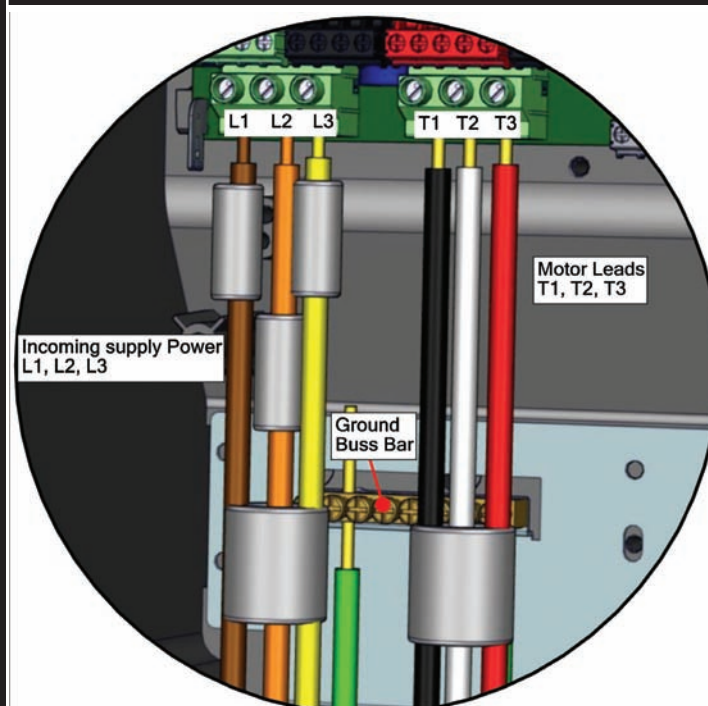


High and low voltage in separate metallic conduit

5. Route cables and wires through conduit and into the control panel.

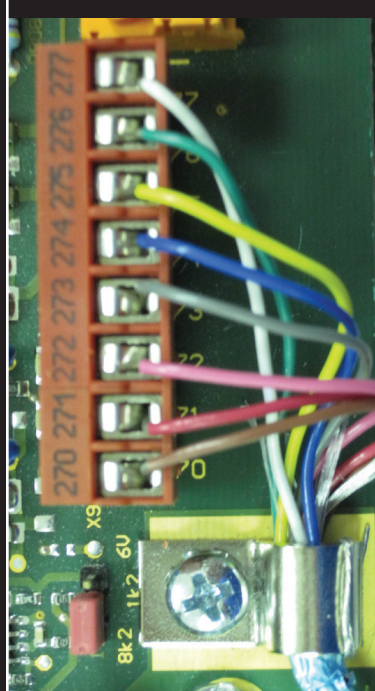
Avoid costly repair: If electrical junction boxes are used, clearly mark/number wires to prevent confusion during the wiring process. Cut cables to length, DO NOT leave excess coils of wire in junction boxes or control box.

6. Route cables and wires through conduit and into the control panel.



Avoid costly repair: Failure to install the filters will void the warranty. DO NOT route ground wire in ferrite core filters.

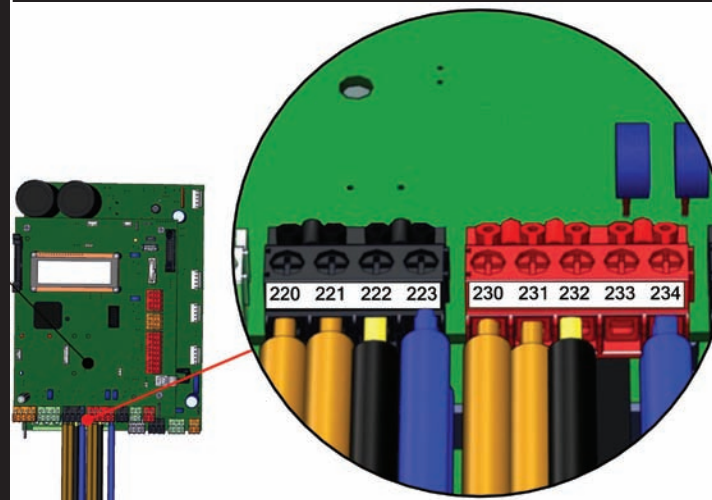
7. Install encoder cable



Failure to install the encoder and ground correctly will void warranty. DO NOT lengthen encoder cable.

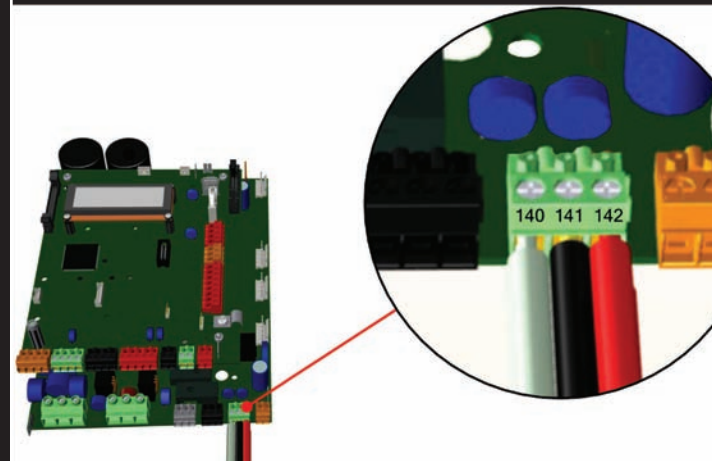
Contact Rytec Technical Support if longer cable is needed. 1-800-628-1909

8. Install photo eye cables (PEs)



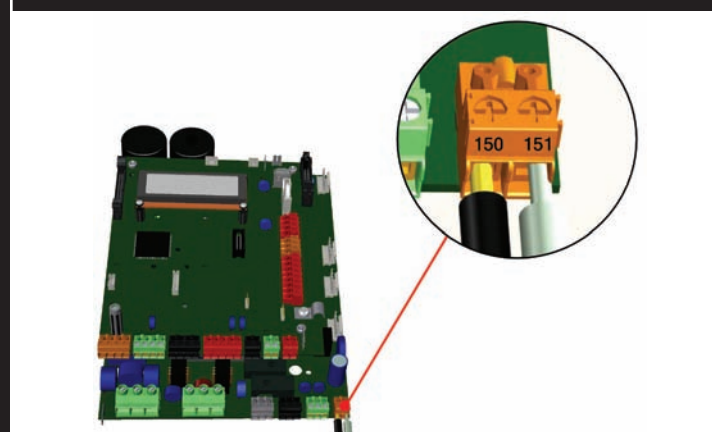
Important: Terminals 220-223 front set of PEs. Terminals 230-234 rear set of PEs. Inputs are dedicated for PEs only.

9. Install the LED lights



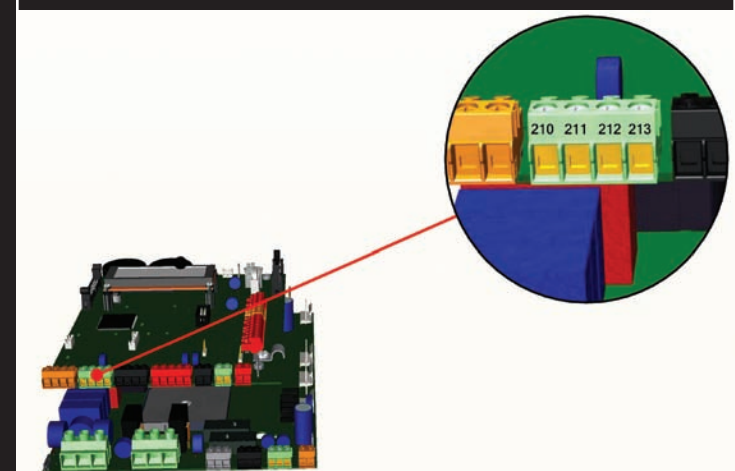
LED light strips are optional and may not be available on all models of Rytec doors. LED light strips are located on the side columns.

10. Install motor brake wires.



11. Remove the lockout tag out and turn the power on to the control. Follow the instructions on the screen to set the door limits. The door will calibrate automatically once the limits have been established. If the motor rotation is backwards see Initial start up section of the System 4 Install & Owner's manual. After the I:515 message has left the screen. Test the safety devices on the door, photo eyes, reversing edge, breakaway function if available on the model of door. Once limits and safety have all been tested, lockout and tag out the control again to install activators, i.e. motion detectors, push buttons, pull cords, loops.

12. Install standard activators: this step will cover common activators, but not all activators. The electrical schematics received with the System 4 control will cover the specific activators that shipped with the door from Rytec. Please refer to those schematics for this step.



Terminals 210-213: T:210 +24VDC T:211-Input 8, Alternate Action, no timer T:212 Input 5, Uses auto close timer 1, T:213, -24VDC

Examples:
Standard Push Button (no timer) Wire to T:210 & T:211
Standard Push Button (with timer) Wire to T:210 & T:212
Refer to your System 4 door specific electrical schematic for activator connections.

13. Optional activator cards: Loop and radio receiver. Loop will have terminals to receive floor loop wires. Radio receiver will have antenna attached to terminal.

