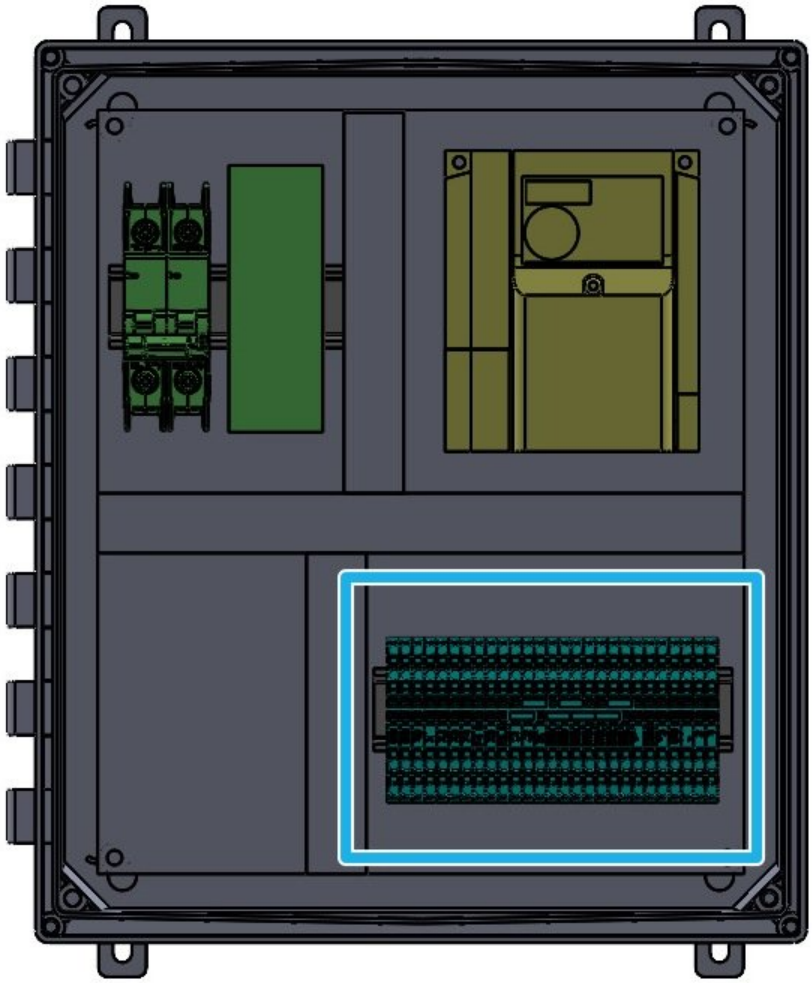
Interlocking HMI Controlled Doors

This guide will explain how to interlock doors that are HMI controlled.

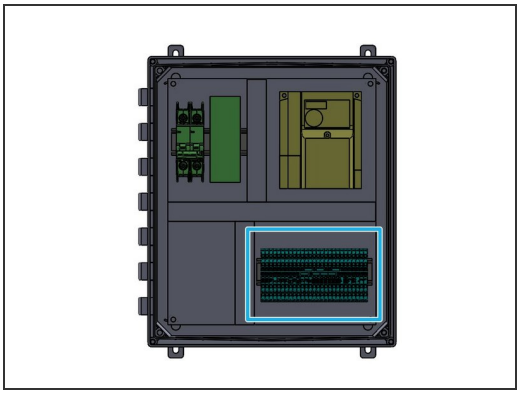
Written By: Trent Borgardt

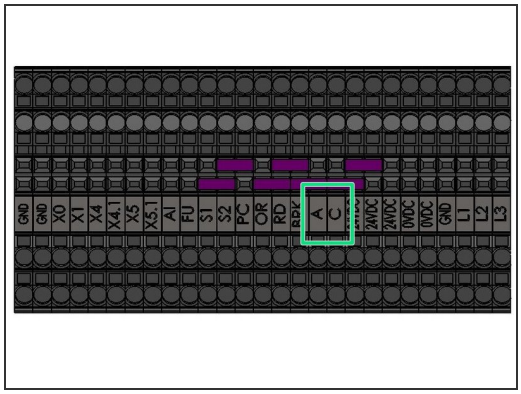


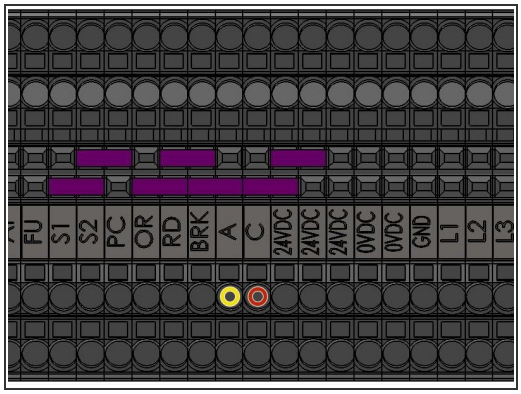
TOOLS:

- 1/8in Flat-Header Screw Driver (1)
- Wire Stripper/Cutter (1)

Step 1 — Inhibiting Door(s)

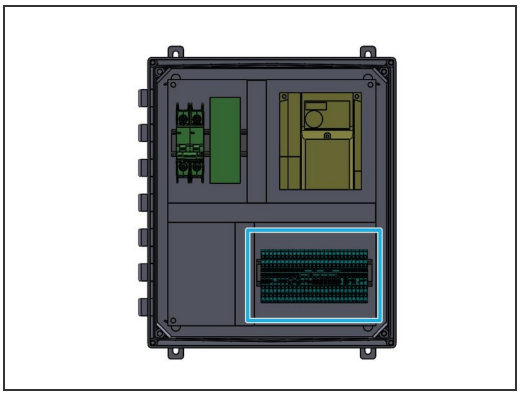


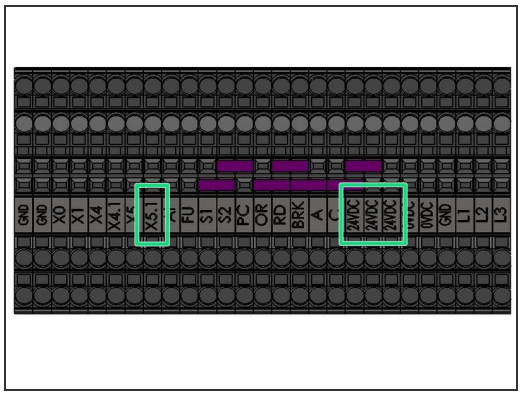


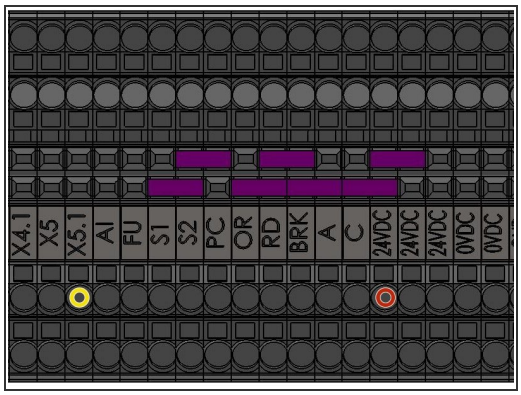


- Locate the Main Terminal Block Inside the Control Panel.
- Locate the Terminals labeled A and C.
  - The Door(s) with wires landed in A and C will be the Inhibiting Door(s).
  - If the Inhibiting Door(s) is/are not fully Closed, the other Door(s) will not be able to be Opened.
- Place a Wire in Terminal A.
  - This wire will go to Terminal X5.1 on the Inhibited Door.
- Place a Wire in Terminal C.
  - This wire will go to any Terminal labeled 24VDC on the Inhibited Door.

Step 2 — Inhibited Door(s)



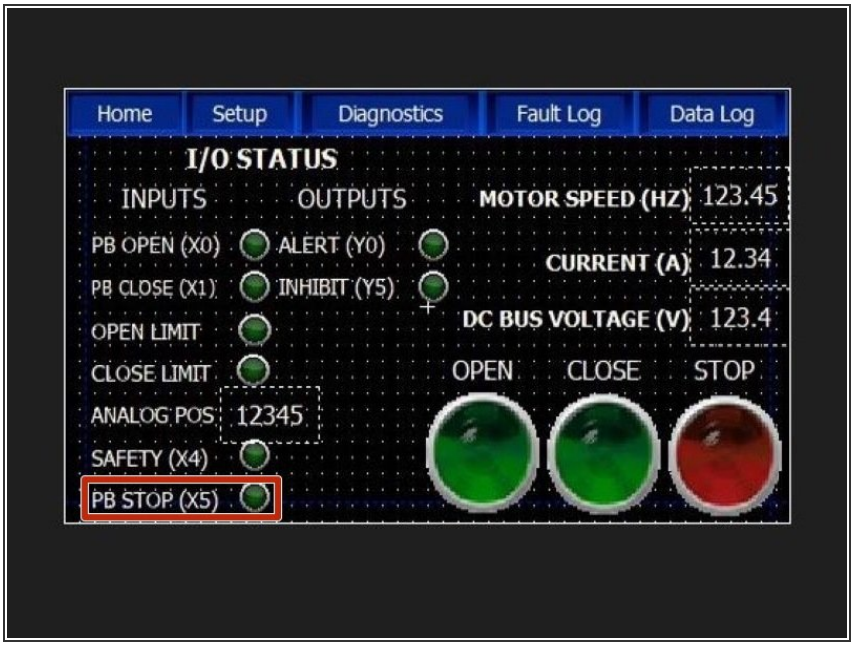




- Locate the Main Terminal Block Inside the Control Panel.
- Locate the Terminals labeled X5.1 and 24VDC.
  - ⓘ If the Inhibiting Door(s) is/are not fully Closed, the Inhibited Door(s) will not be able to be Opened.
- Place a Wire in Terminal X5.1.
  - ⓘ This wire will go to Terminal A on the Inhibiting Door.
- Place a Wire in any Terminal labeled 24VDC.
  - ⓘ This wire will go to Terminal C on the Inhibiting Door.

⚠ FOR INTERLOCK TO WORK, YOU WILL HAVE TO REMOVE THE FACTORY JUMPER BETWEEN TERMINALS X5.1 AND 24VDC ON THE INHIBITED DOOR(S).

Step 3 — Diagnostics Screen



- If Wired correctly, when the Inhibiting door is Closed, the PB STOP (X5) LED will be Illuminated on the Inhibited doors, and all Inhibited doors will be free to Operate.
- When the Inhibiting door is not Closed, the PB STOP (X5) LED will be OFF on the Inhibited doors, and all Inhibited doors will be Inoperable.
  - ⓘ Basically, the Stop button is being held on the Inhibited door(s) while the Inhibiting door is anything other than fully Closed.

⚠ INHIBITING DOORS MUST BE CLOSED FOR THE INHIBITED DOORS TO BE OPERATED.