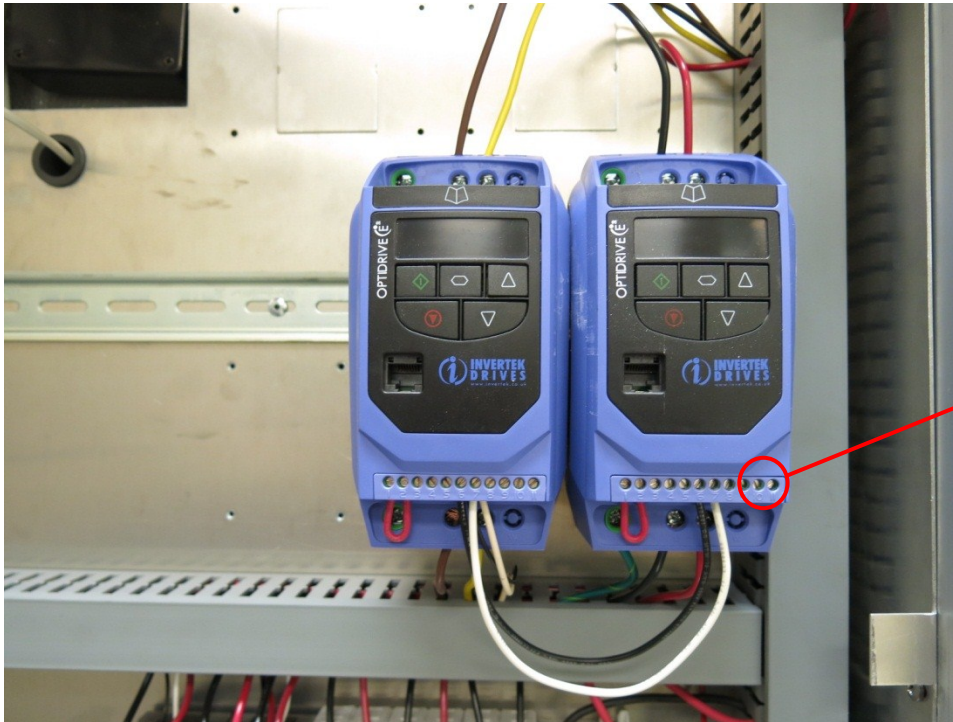


## PLATINUM 1 FAN DRIVE RETROFIT

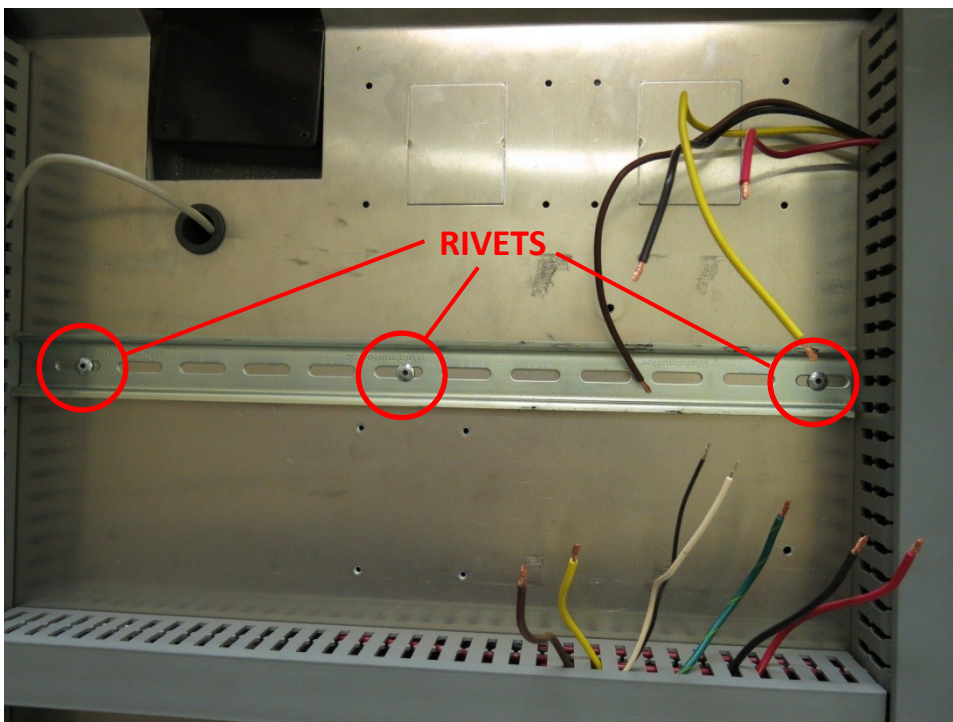
This guide shows the steps to replace Invertek single phase output drives with Schneider 3-phase output drive. The Schneider drive operates from a 1-phase 200-240 VAC supply.

1. Disconnect power and open the control cabinet to locate the Invertek drives.

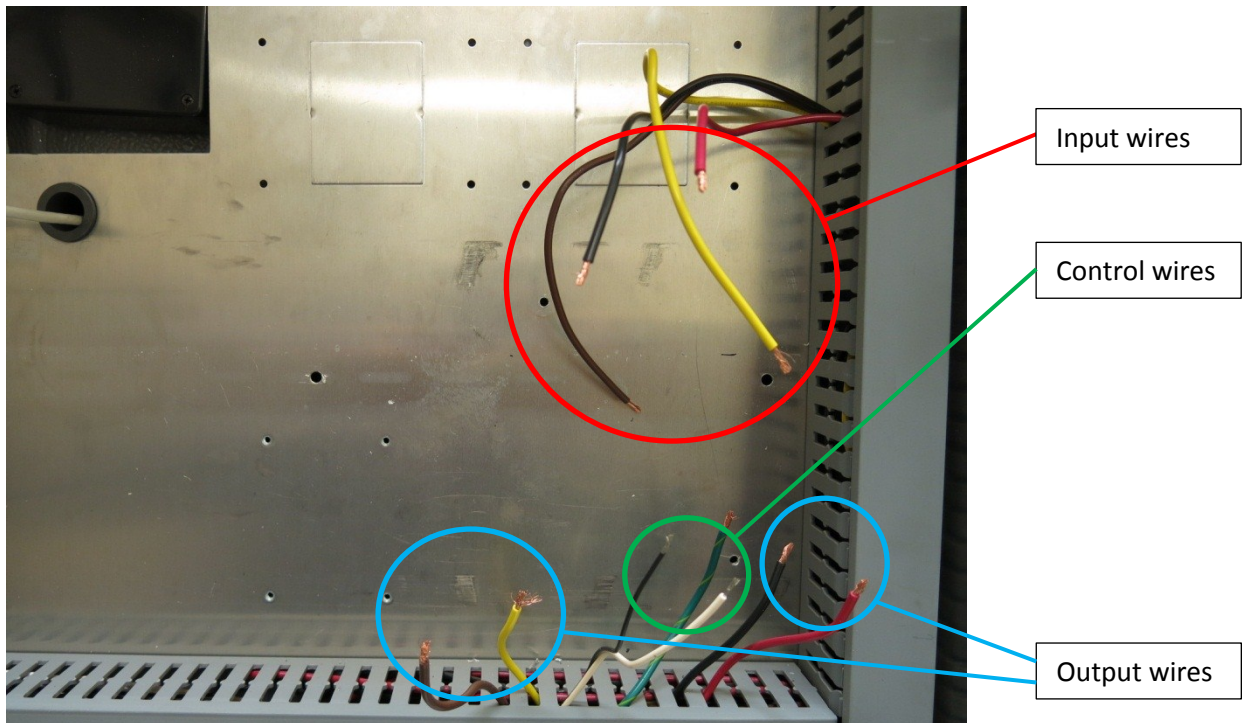


If terminals 10 & 11 have wires connected, remove and tie together. See step 9.

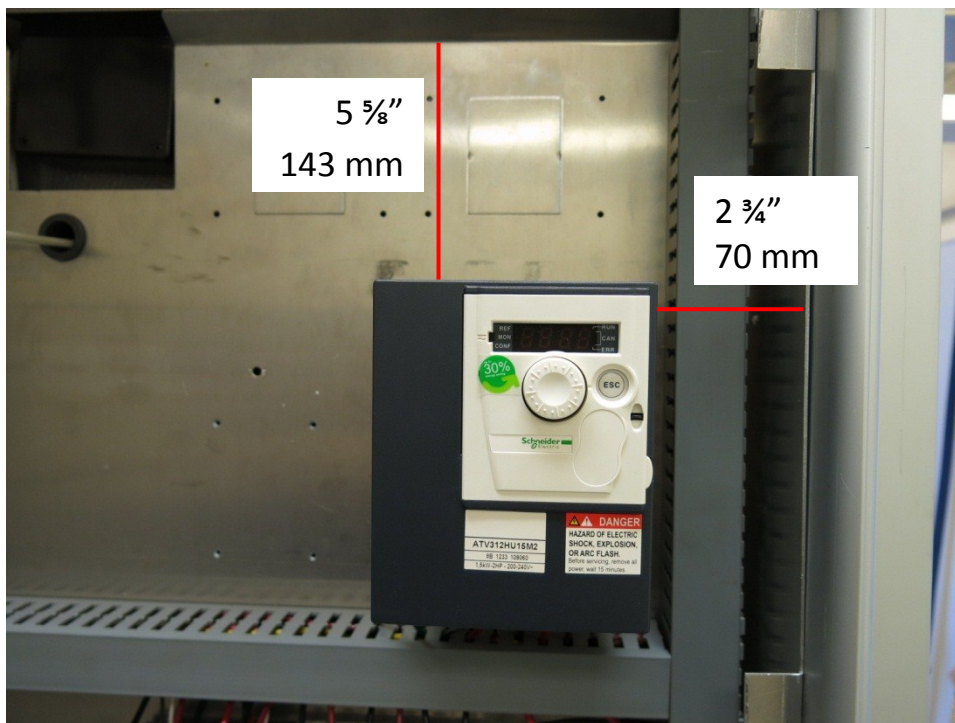
2. Remove all wiring from input, output, and control terminals. Remove drives by pulling the release latch on bottom side.



3. Drill out the heads of the three rivets to remove slotted mounting rail. Make a note of the various input and output wires.

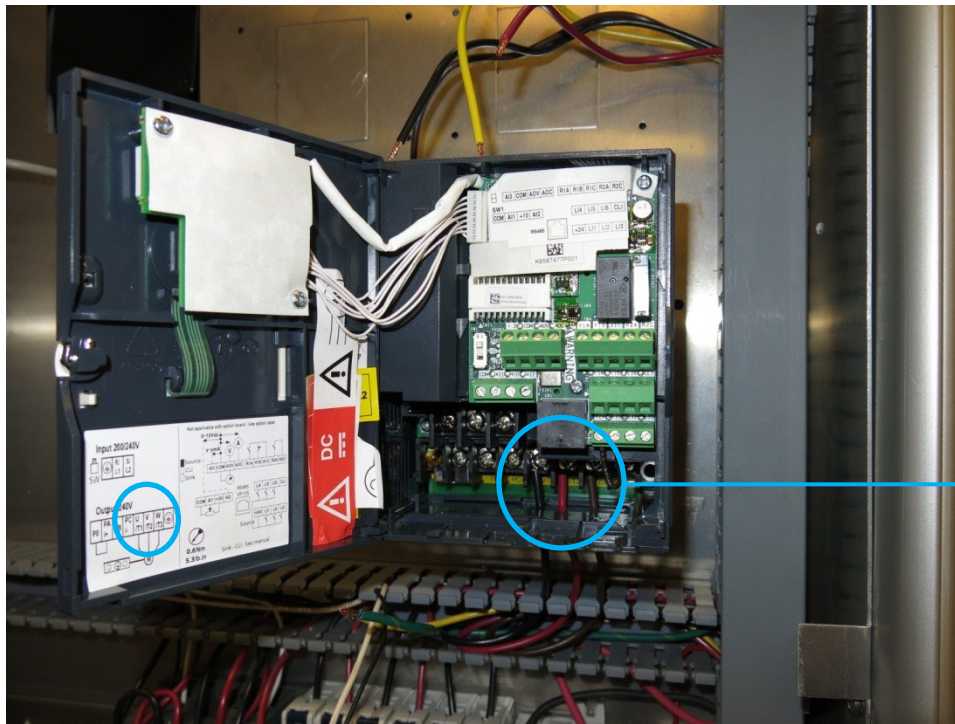


4. Position the PT2426S drive as indicated in the photo, 5  $\frac{5}{8}$ " from top fold and 2  $\frac{3}{4}$ " from right edge. Check that drive fits through opening of panel cover. Mount using 2 P6200 self-drilling screws.





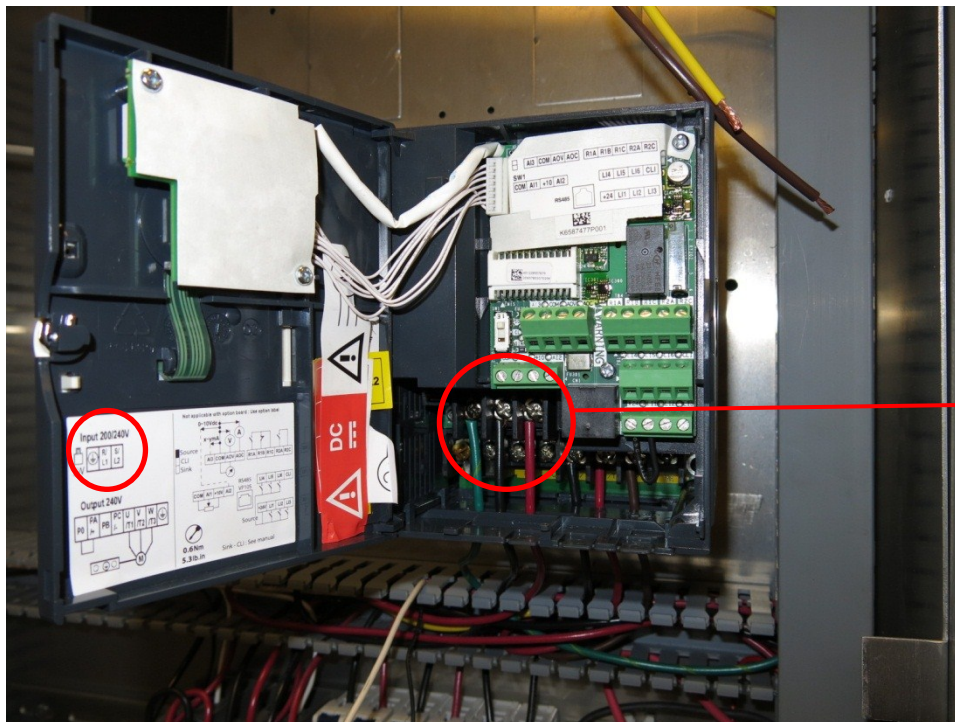
5. Connect the black, red, and brown output wires on VSD terminals U, V, and W respectively.



Output wires

U-BLACK  
V-RED  
W-BROWN

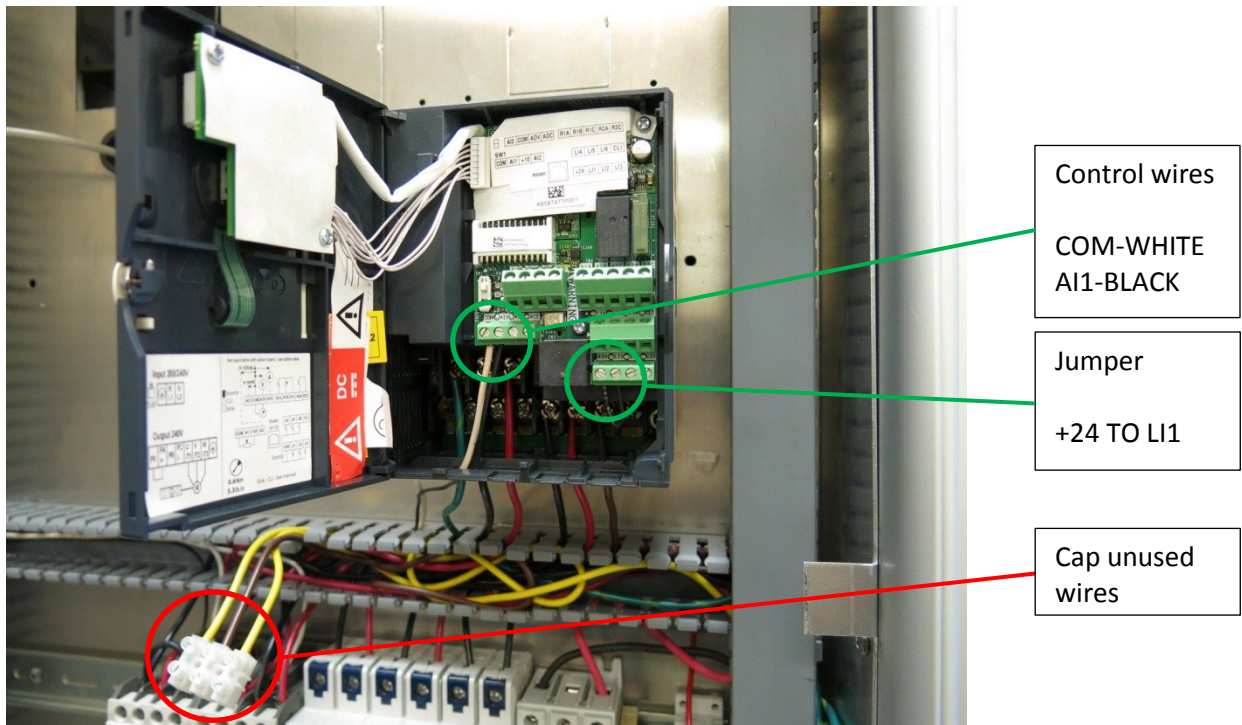
6. Connect the black and red input wires to L1 and L2 terminals respectively. Connect the green/yellow ground wire to ground terminal.



Input wires

GND-GRN/YEL  
L1-BLACK  
L2-RED

7. Connect the black and white control wires to AI1 and COM terminals respectively. Check that black jumper wire is connected between terminals +24 and LI1.



8. Cap or remove the unused brown wire and the two yellow wires using P2889 marrettes. They **CANNOT** be tied together.
9. If the Invertek drives had control wires connected to terminal 10 and 11 (used for sail switch system) then tie the two wires together, they will not be connected to new VSD.
10. Tuck all wires into cable tray and close the covers.

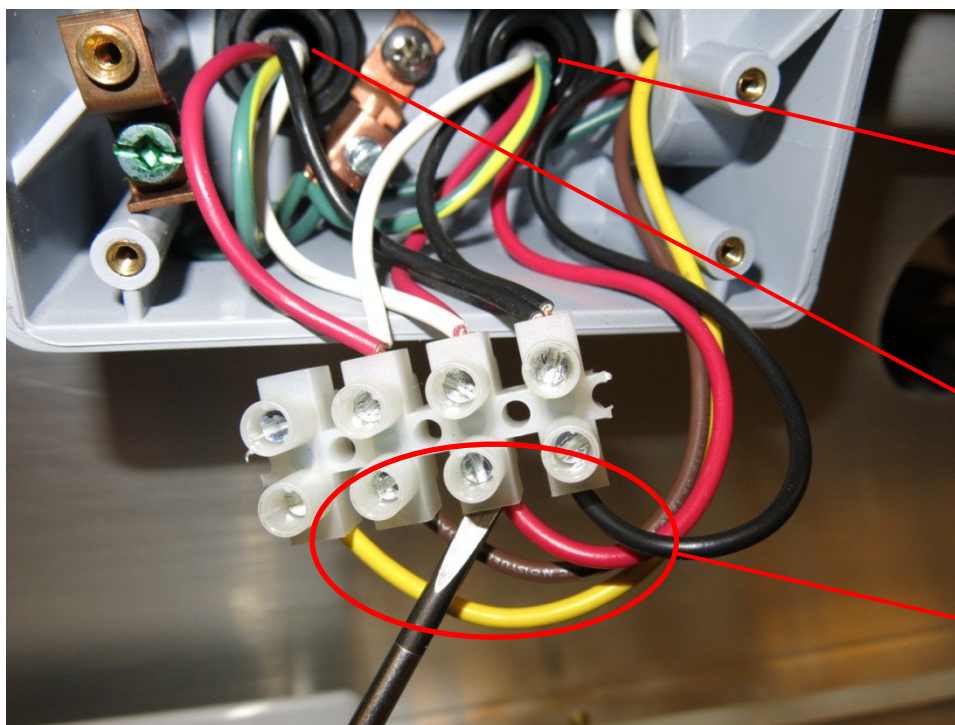




11. Completely remove fan blades and single-phase motors from ECU.
12. Install the 220V 3-phase fan motors (PB6195) on fan grilles and reinstall fan blades. The same motor can rotate clockwise or counter-clockwise depending on wire connections.
13. Cut motor cable to length. Wire the fan motors as indicated in the photo.

Note: Red and white wires are connected differently on motors with opposite rotation.

Note: Outer fans rotate counter-clockwise (CCW) and inner fans rotate clockwise (CW).



CCW fan  
(right cable  
inside box)  
Black-Black  
Red-Red  
White-Brown

CW fan  
(left cable  
inside box)  
Black-Black  
White-Red  
Red-Brown

Wires from  
console plug

14. Reconnect power to control panel and turn on the fans. If a fan motor is rotating in the wrong direction, reverse its red and white wire in the ECU junction box.
15. If the machine is equipped with a fan current sensor, let fans run at full speed for 10 minutes, then initiate the fan calibration function in the alarm setup screen.



#### Parts list:

- |   |         |   |
|---|---------|---|
| 4 | PB6195  | Motor 3PH 220V 60Hz IP55                      |
| 1 | PT2426S | Programmed drive 1PH 200-240V                 |
| 2 | P6200   | Screw #10 x 3/4 self-drilling stainless-steel |
| 2 | PT1194  | Washer #10 split lock stainless-steel         |
| 3 | P2889   | Marrette                                      |