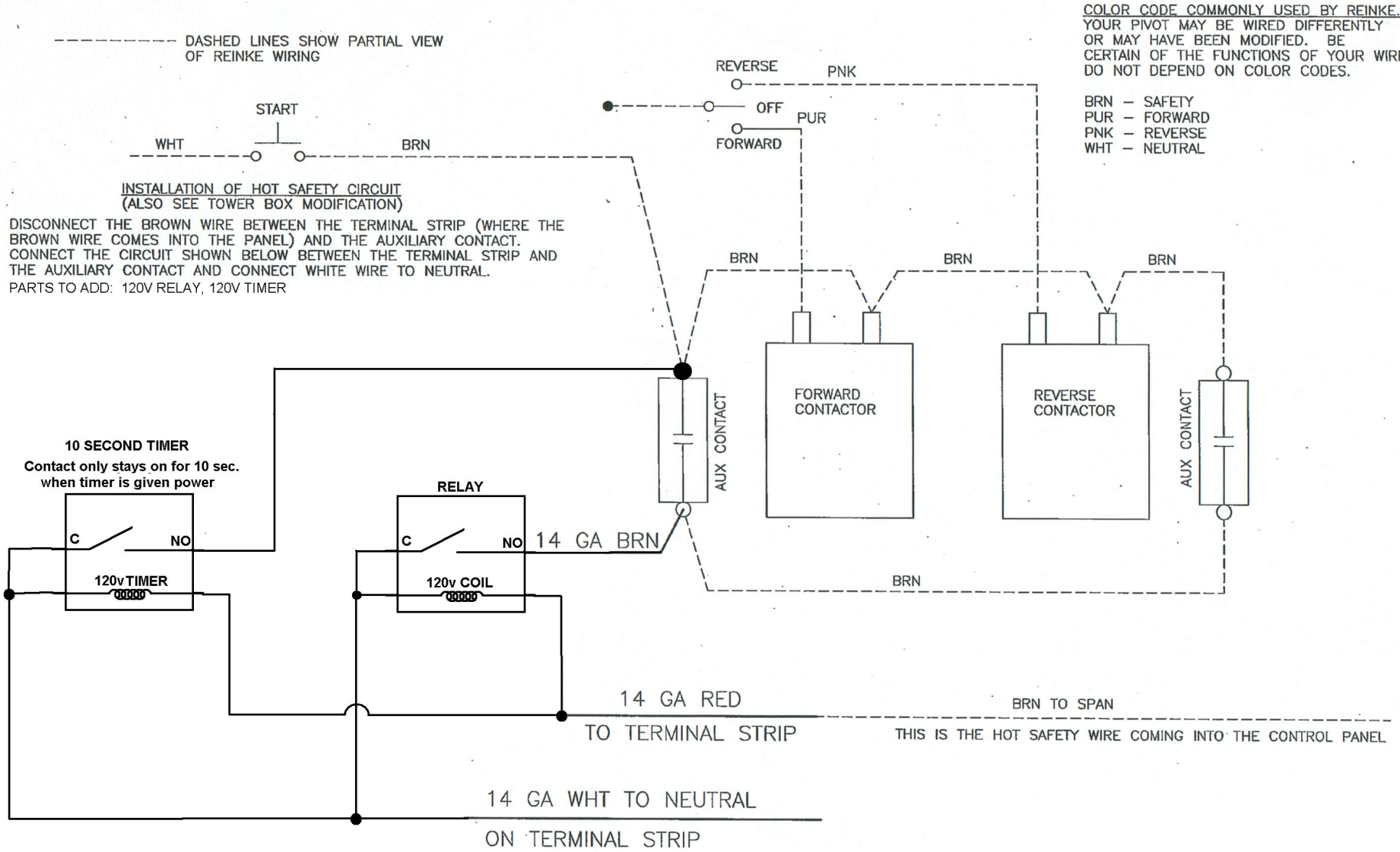

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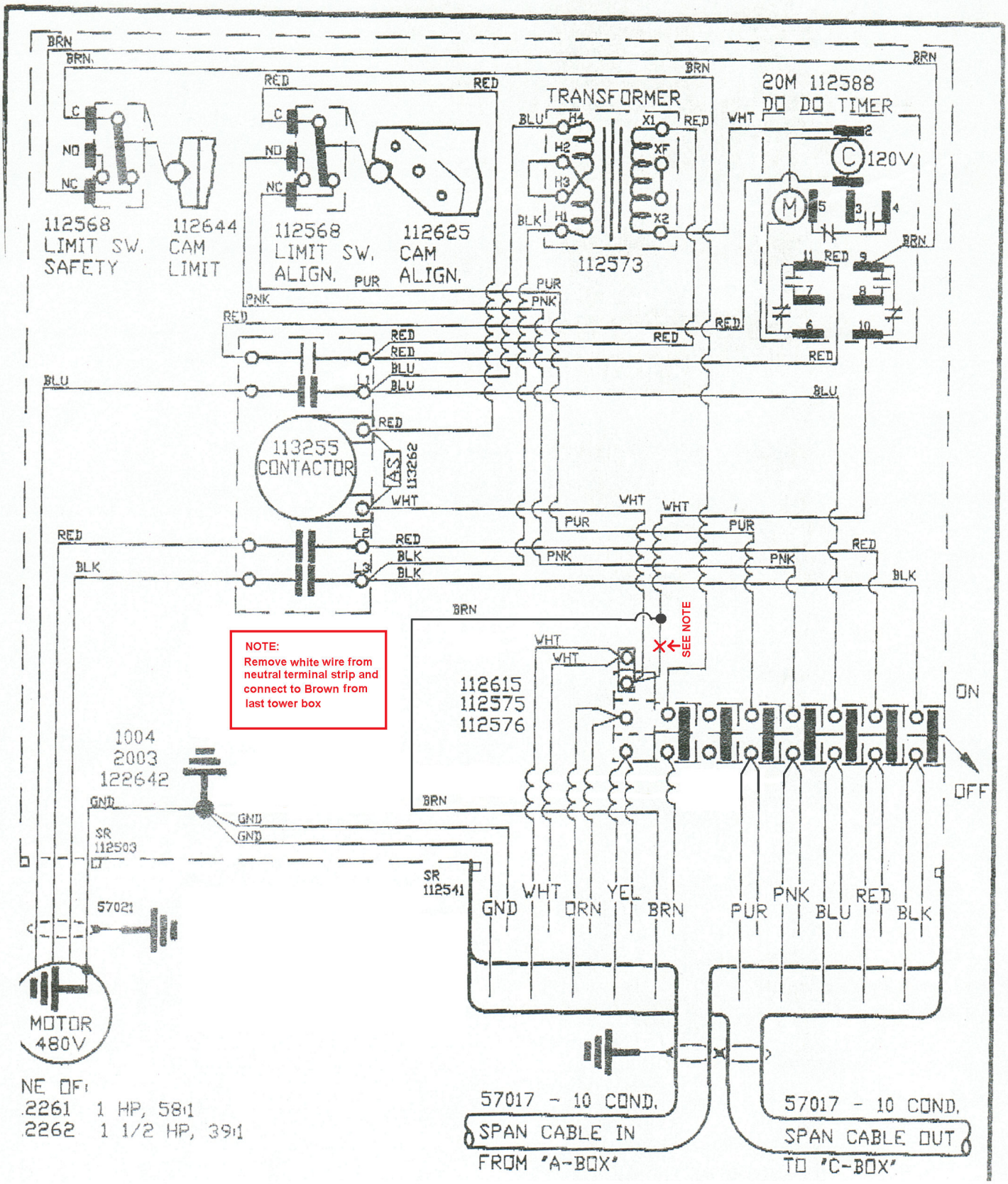
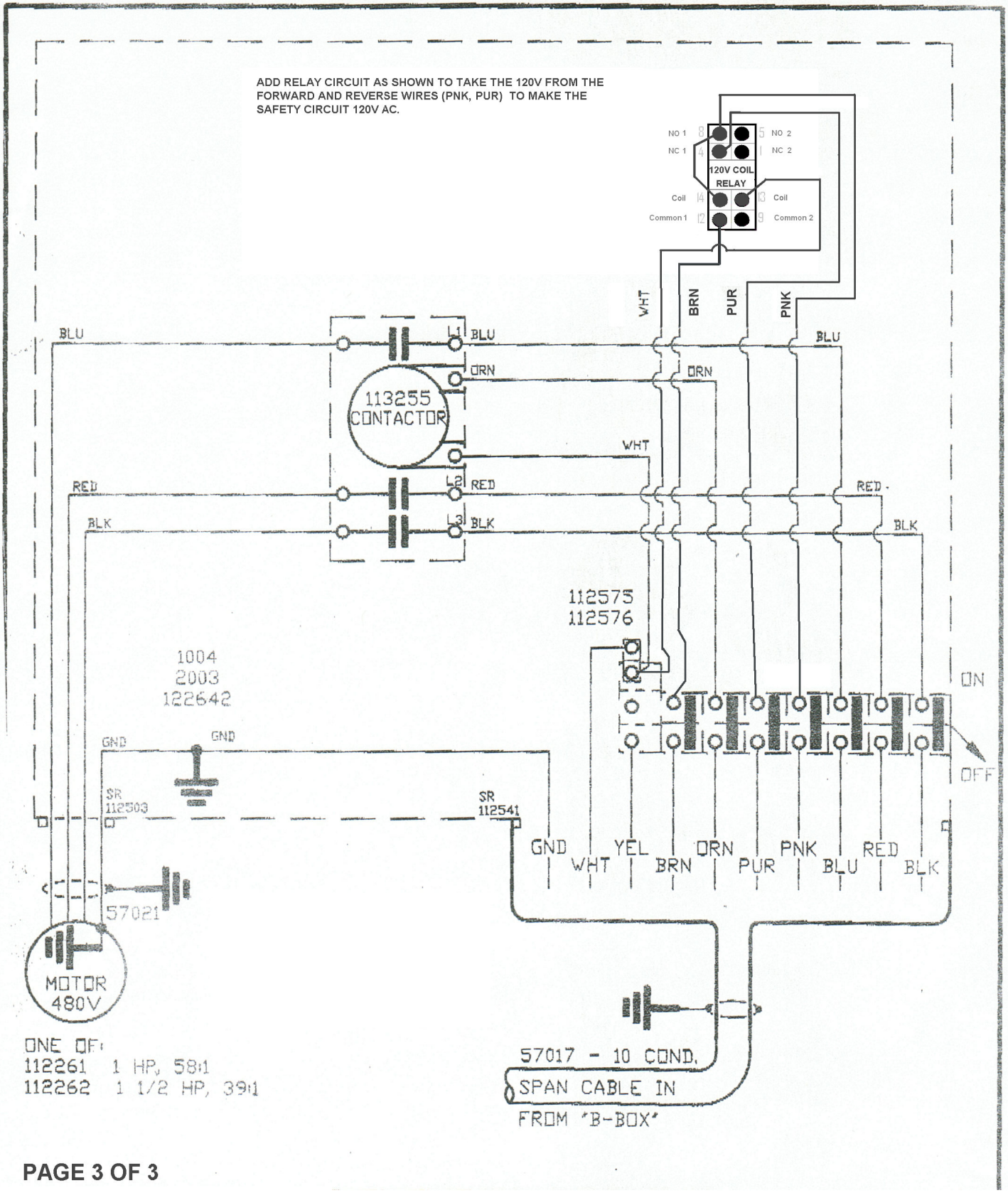
PR112

		TITLE HOT SAFETY RELAY (NI) – REINKE TYPE PANEL	
DATE	SCALE	DWG NO.	PART NO.
DR BY:	APPR BY:	CAD NO.	REV:



- LOCATE WHITE WIRE THAT GOES FROM TERMINAL 10 OF THE STALL TIMER TO THE NEUTRALS ON THE TERMINAL STRIP.
- REMOVE THIS WHITE WIRE FROM THE NEUTRAL TERMINAL STRIP AND CONNECT IT TO THE BROWN SAFETY WIRE THAT GOES OUT TO THE LAST TOWER BOX
- MAKE SURE THE PINK AND PURPLE WIRES (FWD AND REV) GO OUT TO THE LAST TOWER BOX


ADD RELAY CIRCUIT AS SHOWN TO TAKE THE 120V FROM THE FORWARD AND REVERSE WIRES (PNK, PUR) TO MAKE THE SAFETY CIRCUIT 120V AC.
NO 1
NC 1
NO 2
NC 2
120V COIL RELAY
Coil
Common 1
Common 2
WHT
BRN
PUR
PNK
BLU
ORN
RED
BLK
L1
L2
L3
113255 CONTACTOR
112575
112576
1004
2003
122642
ON
OFF
GND
SR 112503
SR 112541
YEL
57021
MOTOR 480V
ONE OF:
112261 1 HP, 58:1
112262 1 1/2 HP, 39:1
57017 - 10 COND. SPAN CABLE IN FROM "B-BOX"

Using Pivot Point Pro to Start Rienke with HOT SAFETY

Follow the 3 pages of schematics included to convert the Rienke pivot to a hot safety.

Once that is complete, you must run the pivot and trip the safety switch at one of the towers to ensure the safety system works correctly now that it is re-wired. ONLY AFTER THIS SAFETY TEST PASSES, THE& PROCEED TO STEP 1 OF THE PIVOT POINT WIRING BELOW.

NOTE: ON ALL PIVOT POINT UNITS – BLACK WIRE
WITH RED STRIPE IS NOT USED

1. At the Rienke Control Panel, remove the Rienke Yellow wire (goes out to the towers) from the terminal strip and connect it to 120v at the 120v transformer. (this will give the end gun wire 120v all the time) Also be sure to remove any end gun shutoff switches to make sure the endgun wire always has power.

2. Out at the end tower box, remove the Rienke Yellow (end gun) wire (Span cable side) from the terminal strip in the end tower box and install our Brown wire in its place.

3. Use a wire nut to connect our Black wire to the Rienke Yellow wire that was removed from the terminal strip in step 2.

4. Remove the Rienke brown (safety) wire from the terminal strip in the end tower box (Span Cable Side) and install our Red/Black wire in its place.

5. Use a wire nut to connect our Red wire to the Rienke brown (safety) wire that was removed from the terminal strip in step 4.

6. Install our Brown/Black wire into the terminal strip with the other Rienke Neutral (white) wires.

7. Remove the Rienke orange (percent timer) wire from the terminal strip in the end tower box (Span Cable Side) and install our Blue wire in its place.

8. Use a wire nut to connect our Blue/Black wire to the Rienke orange (percent timer) wire that was removed from the terminal strip in step 7

9. Install our Orange wire into the tower terminal strip with the Rienke Purple wire. (Forward Run)

10. Install our Orange/Black wire into the tower terminal strip with the Rienke Pink wire. (Reverse Run)

Steps 9 and 10 must be hooked up for the AgSense unit to work correctly, but that does not mean that Direction Control will work on this pivot! The Direction Control works by applying 120v to the wire opposite of the direction the pivot is currently moving for 10 seconds. – this will not work on all pivots and MUST be tested by the installer before using this feature - Simply test by using a fused jumper wire to connect 120v to the direction wire opposite the direction the pivot is currently moving for 10 seconds. Test this for both directions. If the pivot changes direction and stays moving that direction, then proceed with using this feature. If not, call AgSense to have the direction control buttons disabled on the website so they are not accidentally used.

Power Requirements for these units:

DC Powered Unit 7-40V DC:
At 12v DC: 1.0A MAX
0.1A - 0.5A during normal operation

120vAC Powered Unit:
At 120v AC: 0.25A MAX
0.05A - 0.15A during normal operation

The above numbers are the current required for our unit to operate. Below is the current the relays in our box can control:

On both AC and DC units, each relay can handle a peak max of 5A, 3A constant (at a max voltage of 120vAC, or 30vDC).