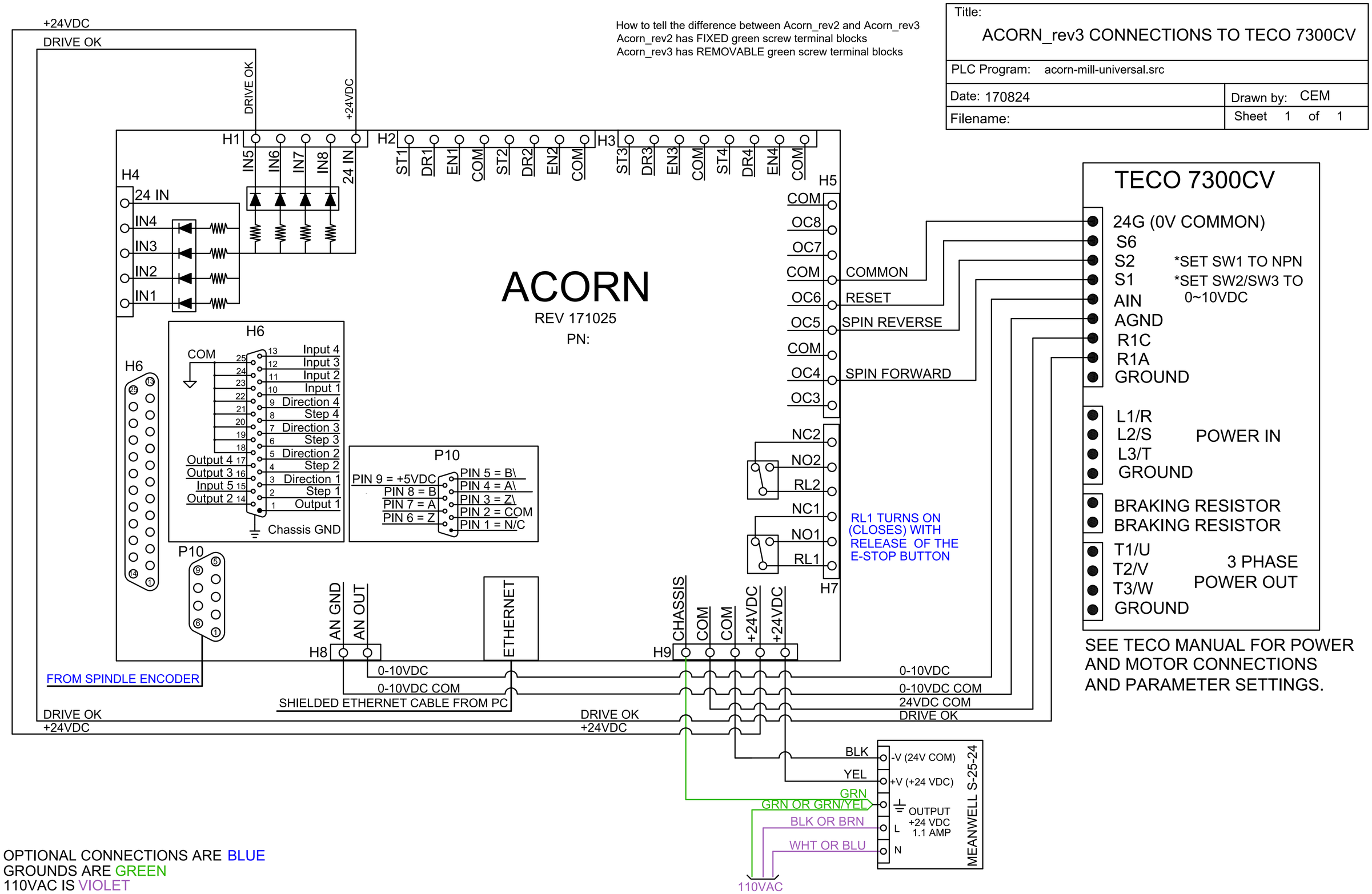

Title:
ACORN_rev3 CONNECTIONS TO TECO 7300CV
PLC Program: acorn-mill-universal.src
Date: 170824
Drawn by: CEM
Filename:
Sheet 1 of 1
How to tell the difference between Acorn_rev2 and Acorn_rev3
Acorn_rev2 has FIXED green screw terminal blocks
Acorn_rev3 has REMOVABLE green screw terminal blocks
+24VDC
DRIVE OK
H1
IN5
IN6
IN7
IN8
24 IN
H2
ST1
DR1
EN1
COM
ST2
DR2
EN2
COM
H3
ST3
DR3
EN3
COM
ST4
DR4
EN4
COM
H4
24 IN
IN4
IN3
IN2
IN1
ACORN
REV 171025
PN:
H5
COM
OC8
OC7
COM
OC6
OC5
COM
OC4
OC3
COMMON
RESET
SPIN REVERSE
SPIN FORWARD
NC2
NO2
RL2
NC1
NO1
RL1
H7
RL1 TURNS ON (CLOSES) WITH RELEASE OF THE E-STOP BUTTON
H6
COM
Input 4
Input 3
Input 2
Input 1
Direction 4
Step 4
Direction 3
Step 3
Direction 2
Step 2
Direction 1
Step 1
Output 1
Output 4
Output 3
Input 5
Output 2
Chassis GND
P10
PIN 9 = +5VDC
PIN 8 = B
PIN 7 = A
PIN 6 = Z
PIN 5 = B\
PIN 4 = A\
PIN 3 = Z\
PIN 2 = COM
PIN 1 = N/C
P10
FROM SPINDLE ENCODER
AN GND
AN OUT
H8
ETHERNET
CHASSIS
COM
COM
+24VDC
+24VDC
H9
0-10VDC
0-10VDC COM
SHIELDED ETHERNET CABLE FROM PC
DRIVE OK
+24VDC
DRIVE OK
+24VDC
0-10VDC
0-10VDC COM
24VDC COM
DRIVE OK
TECO 7300CV
24G (0V COMMON)
S6
S2
S1
AIN
AGND
R1C
R1A
GROUND
*SET SW1 TO NPN
*SET SW2/SW3 TO 0~10VDC
L1/R
L2/S
L3/T
GROUND
POWER IN
BRAKING RESISTOR
BRAKING RESISTOR
T1/U
T2/V
T3/W
GROUND
3 PHASE POWER OUT
SEE TECO MANUAL FOR POWER AND MOTOR CONNECTIONS AND PARAMETER SETTINGS.
BLK
YEL
GRN
GRN OR GRN/YEL
BLK OR BRN
WHT OR BLU
-V (24V COM)
+V (+24 VDC)
OUTPUT
+24 VDC
1.1 AMP
L
N
MEANWELL S-25-24
110VAC
OPTIONAL CONNECTIONS ARE BLUE
GROUNDS ARE GREEN
110VAC IS VIOLET