Always follow this schematic and the online bench test installation videos BEFORE making any other connections.
www.centroidcnc.com/centroid_diy/acorn_quick_start_guide.html

Title: ACORN_rev4, BASIC POWER AND COMMUNICATION CONNECTIONS, Bench Test		
Date: 210420	Ver: 3	Drawn by: CEM
Filename: S14952.DWG		Sheet 1 of 1

How to tell the difference between Acorn_rev2, Acorn_rev3 and Acorn_rev4
Acorn_rev2 has FIXED green screw terminal blocks
Acorn_rev3 has REMOVABLE green screw terminal blocks
Acorn_rev4 has LED indicators for the Inputs and Outputs

MONITOR

PC

SHIELDED ETHERNET CABLE FROM PC

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 +24 HB

H4 24 IN IN4 IN3 IN2 IN1

H6 (DB25)
COM
Input 4 (13)
Input 3 (12)
Input 2 (11)
Input 1 (10)
Direction 4 (9)
Step 4 (8)
Direction 3 (7)
Step 3 (6)
Direction 2 (5)
Step 2 (4)
Direction 1 (3)
Step 1 (2)
Output 1 (1)
Output 4 (17)
Output 3 (16)
Input 5 (15)
Output 2 (14)
Chassis GND

P10 (DB9)
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 (DB9)

H8 AN GND AN OUT

ETHERNET

ACORN 190201

H9 CHASSIS COM COM +24VDC +24VDC

Acorn CNC
PN:14445

H10 OUTPUT STATES 1 2 3 4 5 6 7 8
COM OUT1 OUT2 OUT3 OUT4 OUT5 OUT6 OUT7 OUT8 5V

GND IN1 IN2 IN3 IN4 IN5 IN6 IN7 IN8 VCC

RELAY BOARD
OUT1 OUT2 OUT3 OUT4 OUT5 OUT6 OUT7 OUT8

110VAC
BLK
WHT
GRN
GRN
YEL
BLK

MEANWELL RD-35B
L
N
V2 (+24 VDC) 1.0A
COM
V1 (+5 VDC) 2.2A

GROUNDS ARE GREEN
110VAC IS VIOLET