

## **WIC / Minarik External MCB Installation**

### ***Power Cable Connection:***

Power Supply 110VAC, Single Phase input power.

The Supply side of the input power connects to the terminal labeled 'Hot' on the diagram on page 2. This is then fed to the drive via a 15A Breaker.

The neutral side of the AC supply is connected to terminal labeled 'Neutral' on the diagram on page 2.

Earth (Ground) goes to 'Earth'

### ***Motor Cable Installation:***

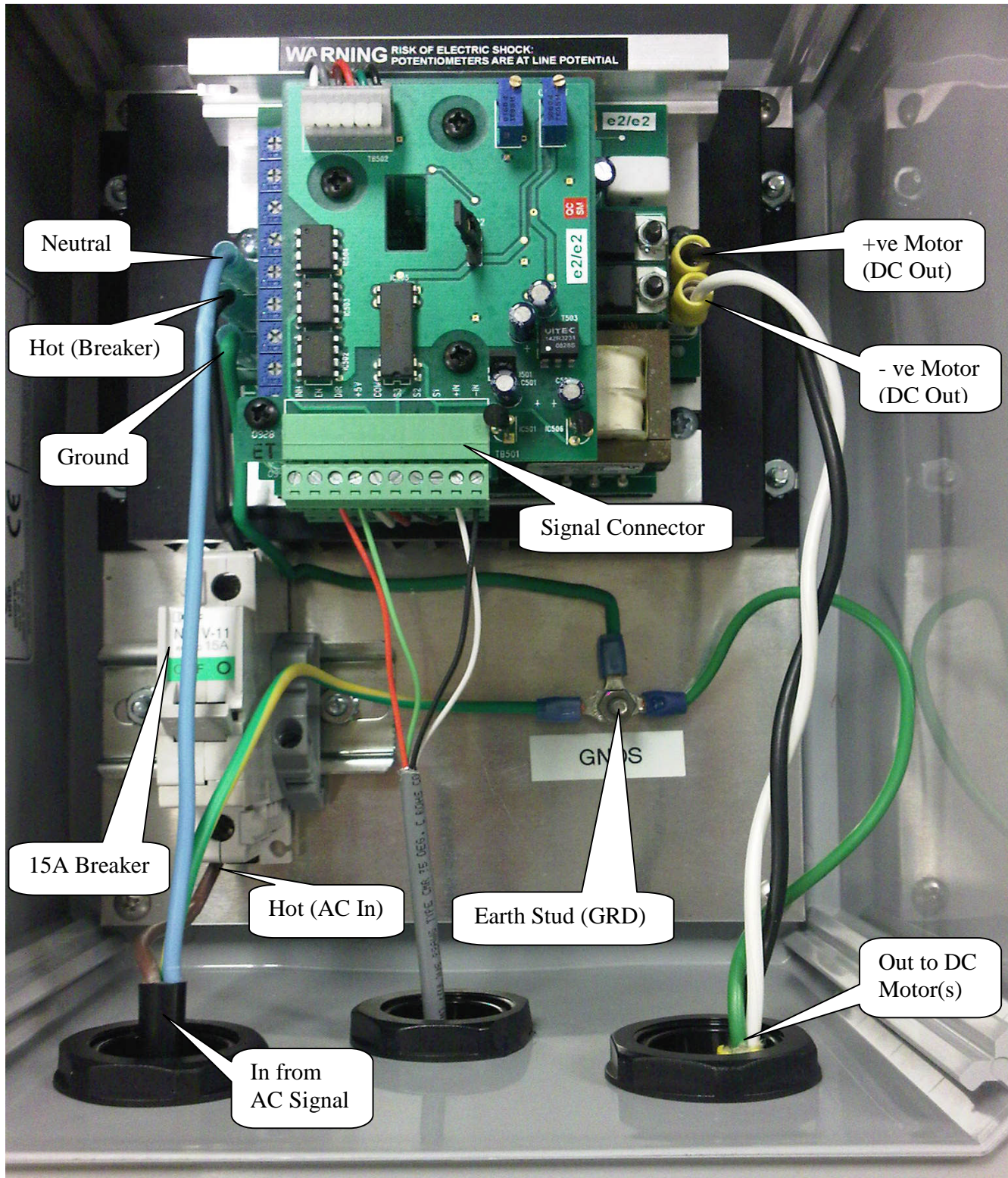
There are terminals for connection of the motor to the drive

Earth – connect the motor earth wire to the Earth stud using a ringlet connector.

Motor Positive - connect to the terminals marked '+ve' on the diagram on page 2.  
There are 3 positions available.

Motor Negative -connect to the terminals marked '-ve' on the diagram on page 2.  
There are 3 possible connection points.

If the direction of the motors needs to be reversed, swap the individual motor + and – wire positions. If both motors need to be reversed swap the A1 & A2 connections on the drive.

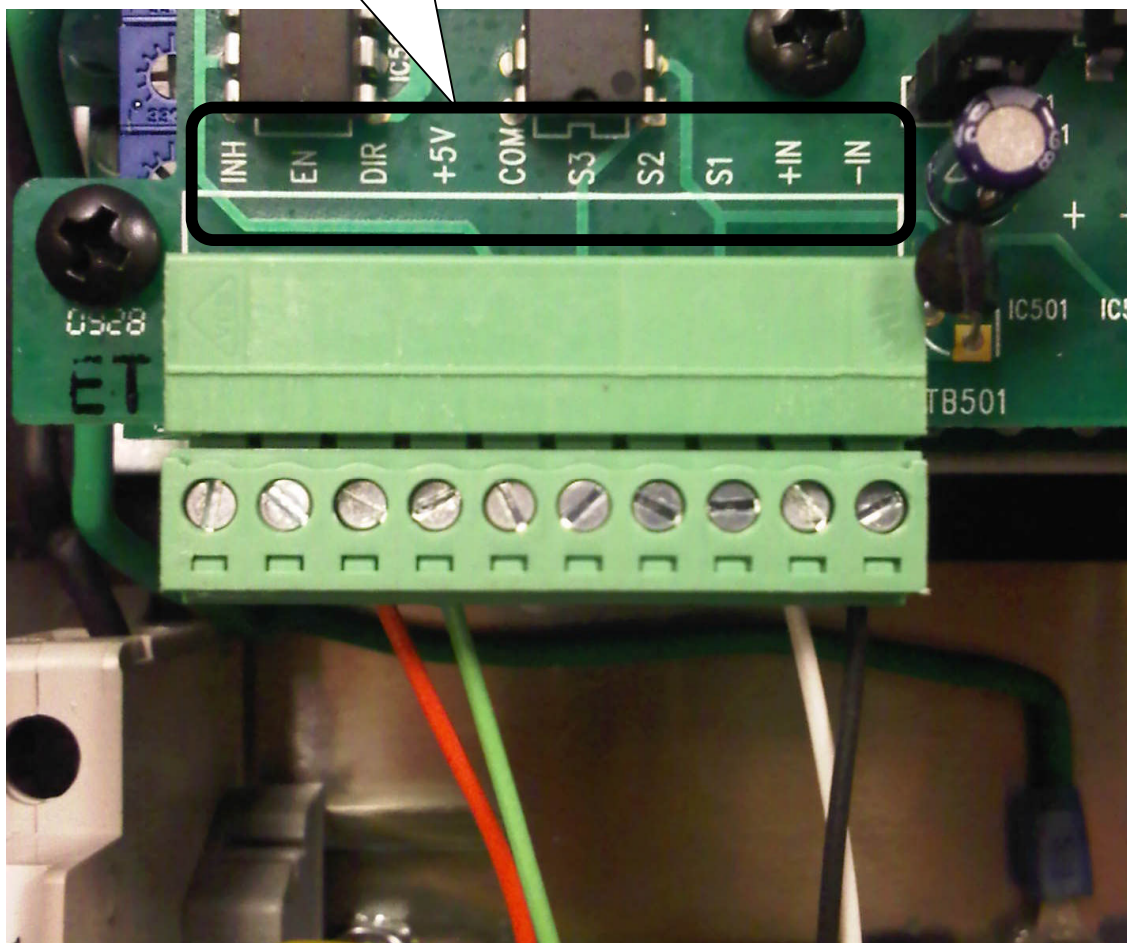


## Signal Connections:

### Minarik board connections:

Green terminal strip on top board of Drive			
Pin Marking	Function		Incoming Wire Color
IN-	4-20mA Low		Black
IN+	4-20mA High		White
S1	N/A		
S2	N/A		
S3	N/A		
COM	N/A		
+5V	Signal Supply		Green
DIR	Direction Signal		Red
EN	N/A		
INH	N/A		

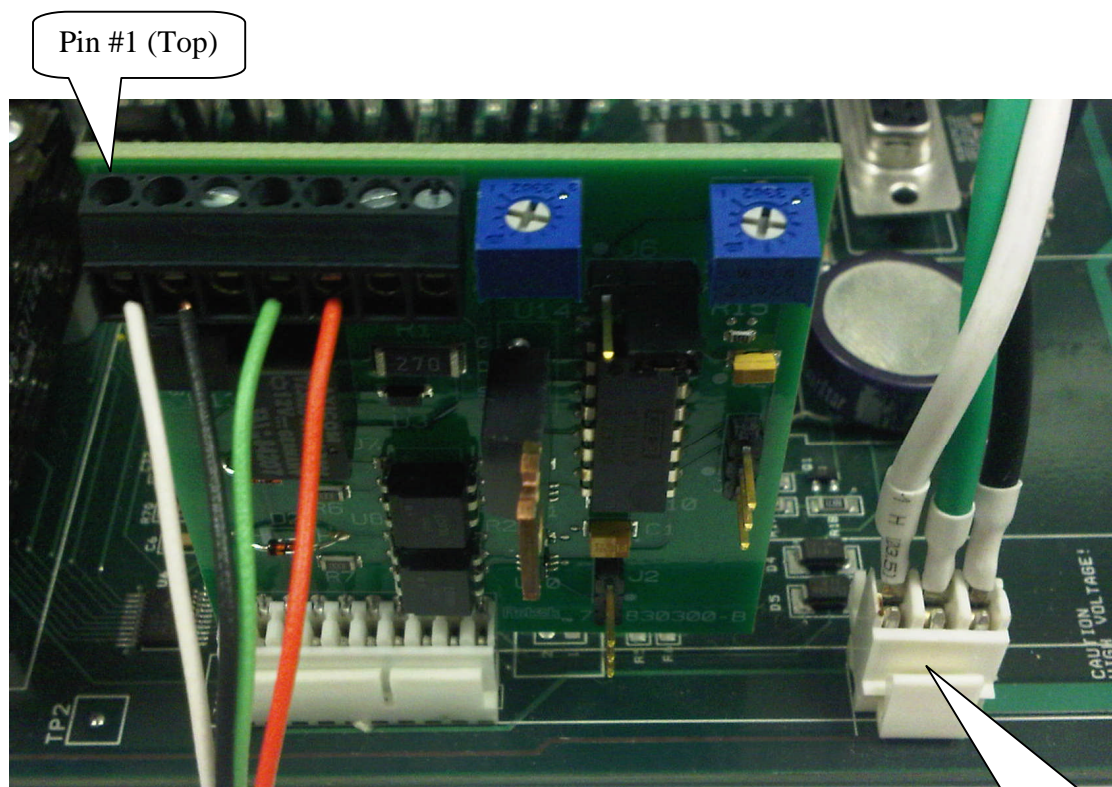
**Note:** Descriptions





**Cherry Creek WIC board connections:**

7 pin connector on left side of board – J11			
Pin Number (from Top)	Function		Outgoing Wire Color
1	4-20mA High		White
2	4-20mA Low		Black
3	N/A		---
4	Signal Supply (+5V)		Green
5	Direction Signal		Red
6	N/A		---
7	N/A		---



AC Line out to  
Motor Board AC In

## ***Drive Settings:***

### **Drive performance**

*See RG60U/RG61U manual for details.*

### **Upper board**

#### **Offset**

When the system is on, but not running, the offset can be adjusted to settle the motor at zero speed, turn the pot to eliminate motion, and remove any motor hum.

#### **Span**

This is used to match the motor speed to the required system Controller speed. Adjust so that the speed set by the system matches the speed (voltage signal) of the motors. ***This will probably not need to be changed.*** Note that changing this may require adjusting the offset afterwards.

### **Settings on the middle board**

Fwd/Rev Accel	Set to Max (Default)
Fwd/Rev Trq Limits	Set to Max (Default)
DB	Set to Max (Default)
Min/Max Speeds	Set to Max & just shy of Min (Default)
IR Comp	This will need to be changed to suit the load (Motor Amperage). As a guide turning CCW will settle the system when moving.

### **Jumper Settings**

To enable 4-20mA control, insert jumper J501 and J502, pins 1 to 2