

# MODELS WITH DUAL SENSORS 2013- ON

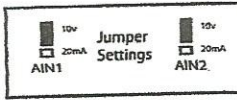
## Shopmaster CNC Wiring Diagram

To enable Mach3 control of Mill Spindle Direction and Speed

### NOWFOREVER E100S1R5B VFD Panel

#### VFD Panel Connections

- X1 - FWD Run
- X2 - REV Run
- X3 - FWD Jog
- X4 - REV Jog
- Common
- +485 - Modbus RS485+
- 485 - Modbus RS485-
- MB - Relay Out - B node - Fault NO

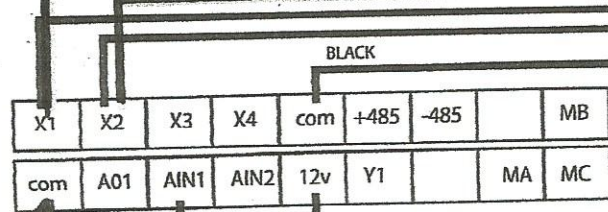


#### Common

- A01 - Analog Out 1 - Frequency Out
- AIN1 - Analog Frequency 1 - DC: 0~10v (1/1000)
- AIN2 - Analog Frequency 2 - DC: 0~10v or 0~20mA (1/1000)
- 12v - 12v power
- Y1 - Digital Out 1 - Inverter Running
- MA - Relay Out - A node - Fault NC
- MC - Relay Out - Com node

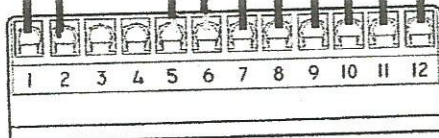
Optional Mach3 control of FWD\*

Optional Mach3 control of REV\*



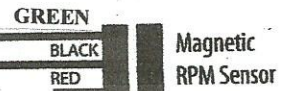
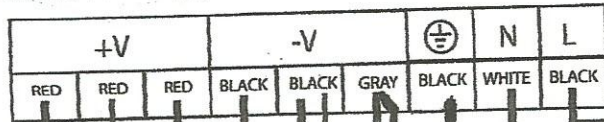
### Gecko G540 Panel

- Pos 1 INPUT 1 (DB25 pin 10)
- Pos 2 INPUT 2 (DB25 pin 11)
- Pos 3 INPUT 3 (DB25 pin 12)
- Pos 4 INPUT 4 (DB25 pin 13)
- Pos 5 OUTPUT 1 (DB25 pin 17)
- Pos 6 OUTPUT 2 (DB25 pin 1)
- Pos 7 VFD GROUND
- Pos 8 VFD OUTPUT
- Pos 9 VFD +10VDC
- Pos 10 DISABLE input (E-STOP)
- Pos 11 SUPPLY +18 to +50VDC
- Pos 12 POWER SUPPLY GROUND



### GROUND

### CNC 48v Power Supply S-350-48 Panel



\*Mach3 control of FWD/REV will make front panel switch inoperative.