



## 4L-500 Rev B

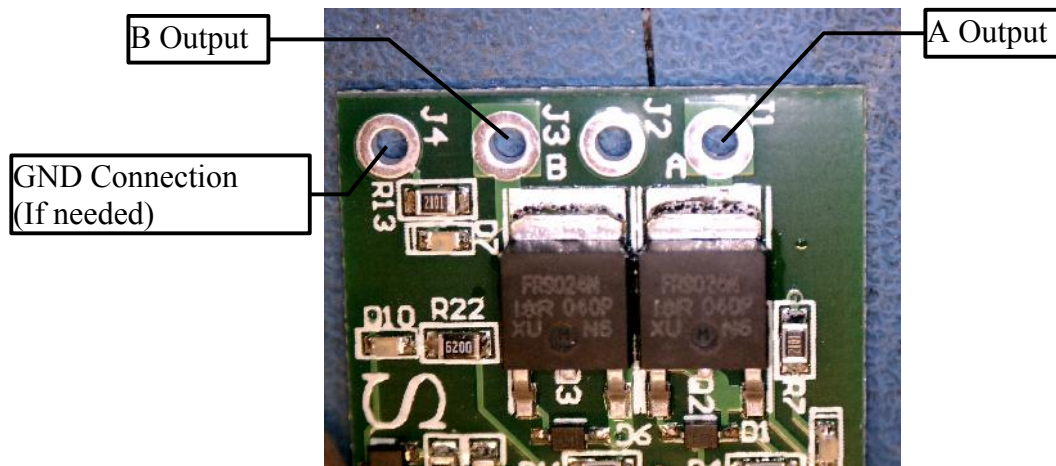
### Setup Instructions

11/17/2011

This document is describing the programming and setup for the 4L-500 Rev B. 4L-500 Rev B boards have magnetic sensors. These sensors are used to link the “A” and “B” outputs to the PL (Power-Link) switch panel as well as flash patterns.

#### **Outputs:**

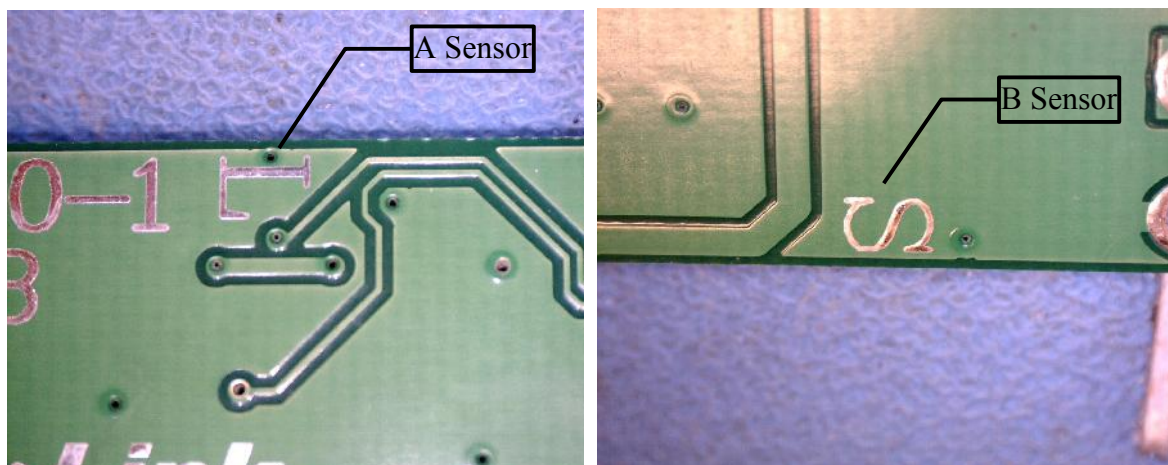
Each 4L-500 has two outputs A and B. These two outputs are capable of supplying about 3 amps each. Each of the two outputs can be independently linked to switch input provided by the PL switch. Conversely, the two outputs can be linked to the same switch input. This allowing for doubling the current carrying capability of the 4L-500.



#### **Link Setup:**

Linking the inputs to outputs and pass through setups are all accomplished through the two magnetic sensor located on the PCB.

Sensors for the “A” and “B” outputs are located here on the back of the PCB.

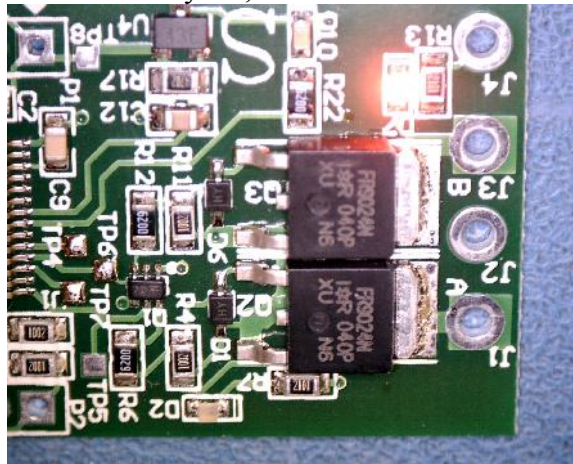


#### **Output Pass through setup:**

- 1) Turn PLC Transmitter on. Ensure that no channel is on or selected. Pass through can only be done if no inputs are enabled.
- 2) Power on the 4L-500. Ensure there is a PLC heartbeat on D3 and D5 LEDs.

- 3) Then place a magnet over the “L” or “S”. The corresponding Amber LED will light momentarily. Then the corresponding red output will be on. (Currently, Off or On are the only options on pass through.)

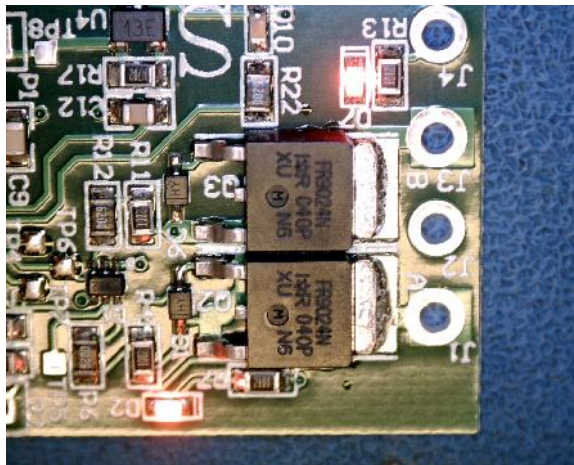
In the below picture, D7 is On and D2 is Off. Indicating that “B” output is selected as “On” pass through. The “A” outputs will be normally off, and be linked to the PLC transmitter in the next step.



### **Input channel Setup:**

Each Output can be linked to an input from the 4L-400 or 4L-2600.

- 1) Turn PLC Transmitter on. Ensure that only one channel is on or selected. Linking can only be done one at a time.
- 2) Power on the 4L-500. Ensure that you have a PLC heartbeat on D3 and D5 LEDs.
- 3) Place a magnet over the “L” or “S”. The corresponding Amber LED will light momentarily. Then the corresponding red “Output” led will turn on. This indicating the output setup for that channel. In the picture below the same board has output “A” select to a channel and D2 LED is on.



### **Flash Patterns:**

Once the output is linked, there are several output states to choose.

- 1) Turn PLC Transmitter on. Ensure that only one channel is on or selected. Setting flash pattern can only be done one at one output at a time.
- 2) Power on the 4L-500. Ensure that you have a PLC heartbeat on D3 and D5 LEDs.
- 3) Place a magnet over the “L” or “S”. The corresponding Amber LED will light momentarily. Then the corresponding red “Output” led will turn On, Flash, Pulse or turn Off. This indicating the flash pattern for that channel.

*Selectable output patterns are, but not limited to: On, Quad-Flash, Pulse and Off.*