



| Legend |          |
|--------|----------|
| 1      | Output 1 |
| 2      | Output 2 |
| 3      | Output 3 |
| 4      | Output 4 |
| 5      | Output 5 |
| 6      | Output 6 |
| 7      | VDT      |
| 8      | Ground   |
| 9      | +24V DC  |
| 10     | +24V DC  |

| Legend |                        |
|--------|------------------------|
| 1      | +24V DC                |
| 2      | -24V DC                |
| 3      | -485 Communication     |
| 4      | +485 Communication     |
| 5      | VDT (Fall Safe t-stat) |
| 6      | Not Used               |

| Legend |           |
|--------|-----------|
| 1      | Output 7  |
| 2      | Output 8  |
| 3      | Output 9  |
| 4      | Output 10 |
| 5      | Output 11 |
| 6      | Output 12 |
| 7      | VDT       |
| 8      | Ground    |
| 9      | +24V DC   |
| 10     | +24V DC   |

| Legend |                  |
|--------|------------------|
| 1      | Analog #1 Output |
| 2      | DC Common        |
| 3      | Analog #2 Output |
| 4      | DC Common        |

| NOTES |   |
|-------|---|
| 1     | The A3002 board can control 2-A3001 or 1-A3003 relay boards.  |
| 2     | When replacing the board make sure SW7 is set exactly the same as the one you are replacing.  |
| 3     | Make sure you do not cross the ribbon cables when replacing a board.  |
| 4     | When using analog outputs you will need to run the signal through the appropriate relay on the A3001 or A3003 board.  |
| 5     | Red Led's show the state of the output on shows the output is on and off shows it's off. Yellow Led's when flashing show the module is communicating to the PC. |

| Legend |                      |
|--------|----------------------|
| 1      | Spare Discrete Input |
| 2      | Spare Discrete Input |
| 3      | Spare Discrete Input |
| 4      | Spare Discrete Input |

|                     |                   |                        |                        |
|---------------------|-------------------|------------------------|------------------------|
| A3002 Board Drawing |                   | AEI,LLC<br>RENVILLE MN |                        |
| DRAWN BY:<br>TDL    | DATE:<br>4-22-09  | RCU Control Board      |                        |
| CHECKED BY:<br>MPA  | DATE:<br>04-22-09 | SIZE<br>D              | FILE NAME<br>A3002.dwg |
| REVISED BY:         | DATE:             | DWG NO.<br>#1          | REV<br>B               |
| SCALE<br>NTS        |                   | SHEET                  |                        |