

**RAILROAD PREEMPTION PROGRAMMING DETAIL**

(program controller as shown below)

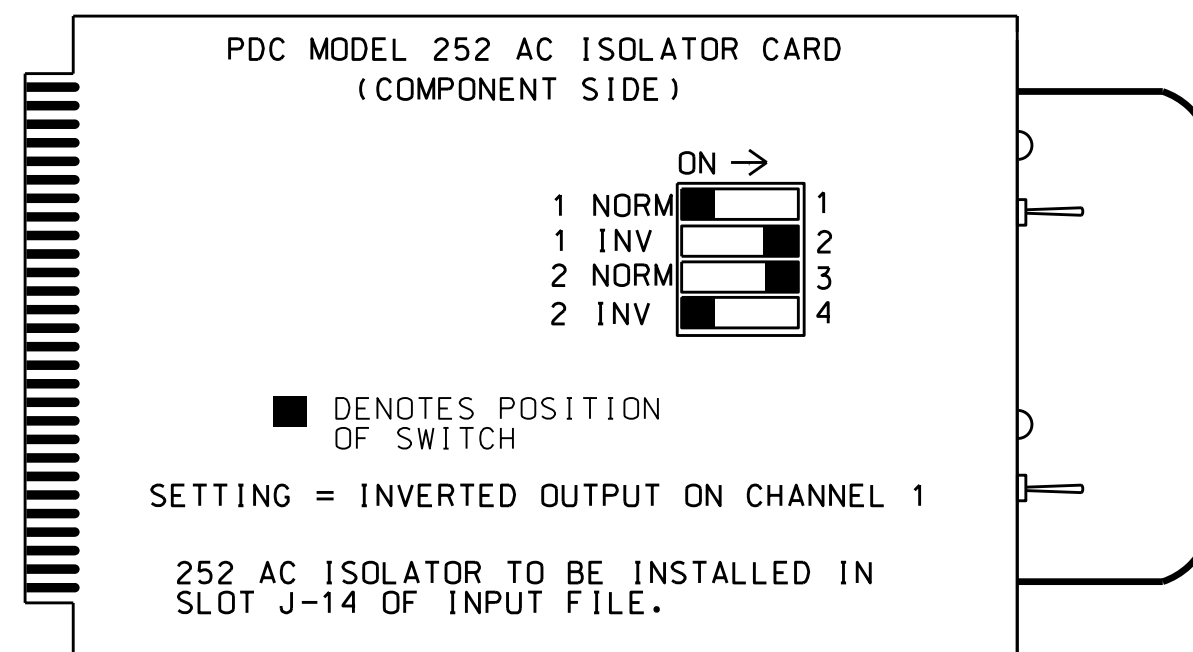
From Main Menu press 'A' (Preemption), then '1' (Standard Preemptions).

| PREEMPTION #1   | SETTINGS (NEXT:1-10)    |
|-----------------|-------------------------|
| INTERVAL/TIMING | CLEAR/DWELL PHASES      |
| GRN YEL RED     | 12345678910111213141516 |
| 1 15 4.0 2.8    | X X                     |
| 2 255 0.0 0.0   | X XX                    |
| 3 0 0.0 0.0     |                         |
| 4 0 0.0 0.0     |                         |
| 5 1 0.0 0.0     | X X                     |

| EXIT CALLS                              | OPTIONS          |
|---|------------------|
| PRIORITY (Y/N TO SELECT) .....          | HIGH             |
| DELAY TIMER (0-255 SEC) .....           | 0                |
| MIN GREEN BEFORE PRE (0= DEFAULT)...    | 1                |
| PED CLEAR BEFORE PRE (0= DEFAULT)...    | 0                |
| YELLOW CLEAR BEFORE PRE (0= DEFAULT)... | 0                |
| RED CLEAR BEFORE PRE (0= DEFAULT)...    | 0                |
| DWELL MIN TIMER (0-255 SEC) .....       | 10               |
| DWELL MAX TIMER (0=OFF,1-255MIN) ...    | 0                |
| DWELL HOLD-OVER TIMER (0-255) .....     | 0                |
| LATCH CALL? .....                       | N                |
| LINK TO NEXT PREEMPT? .....             | N                |
| ENABLE BACKUP PROTECTION? .....         | N                |
| HOLD CLEAR 1 PHASES DURING DELAY? ...   | N                |
| FAST GREEN FLASH DWELL PHASES? .....    | N                |
| PED CLEARANCE THROUGH YELLOW? .....     | N                |
| INHIBIT OVERLAP GREEN EXTENSION? ...    | N                |
| SERVICE DURING SOFTWARE FLASH? .....    | N                |
| REST IN RED DURING DWELL INTERVAL? ..   | N                |
| FLASH DWELL INTERVAL? .....             | N                |
| ALLOW PEDS IN DWELL INTERVAL? .....     | N                |
| RE-TIME DWELL INTERVAL? .....           | N                |
| OVERLAPS:                               | ABCDEFGHIJKLMNQP |
| DWELL INT FLASH YELLOW                  |                  |
| OMIT OVERLAPS:                          | X X              |

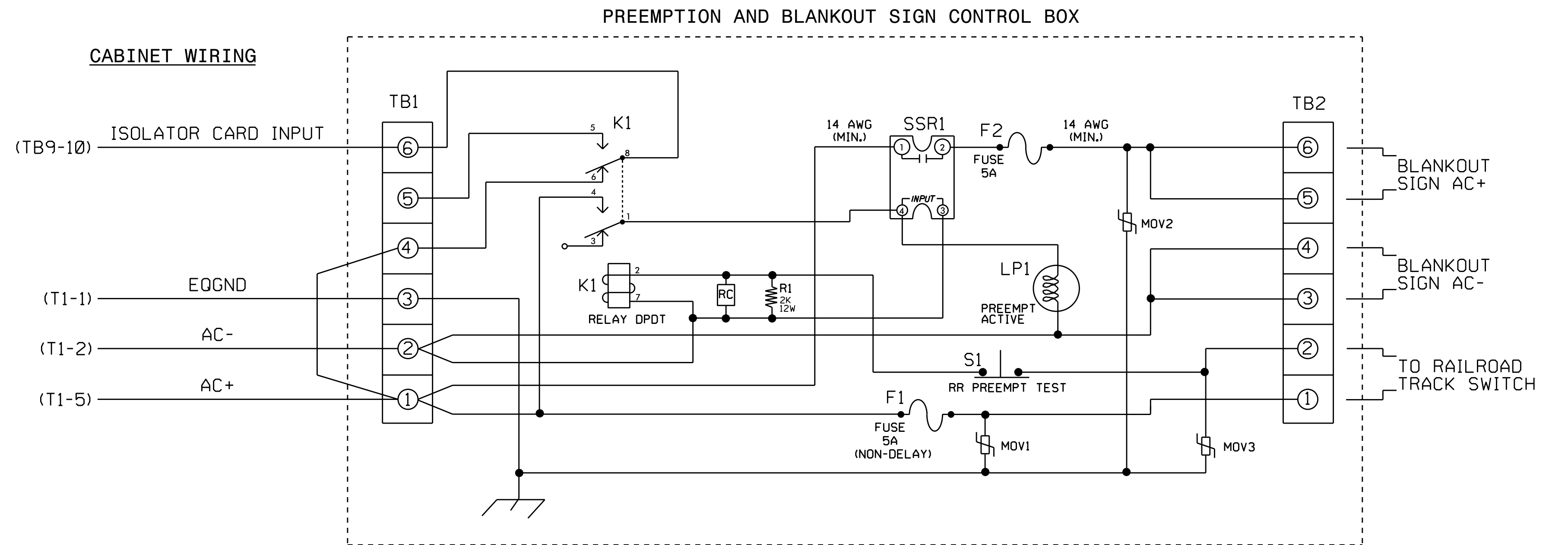
(set DIP switches as shown below)



NOTE: IF ANOTHER MANUFACTURER TYPE OF AC ISOLATOR IS USED, OUTPUT PROGRAMMING IS LIKELY NOT TO EQUATE TO THAT SHOWN ABOVE.

**RAILROAD PREEMPTION WIRING DETAIL**

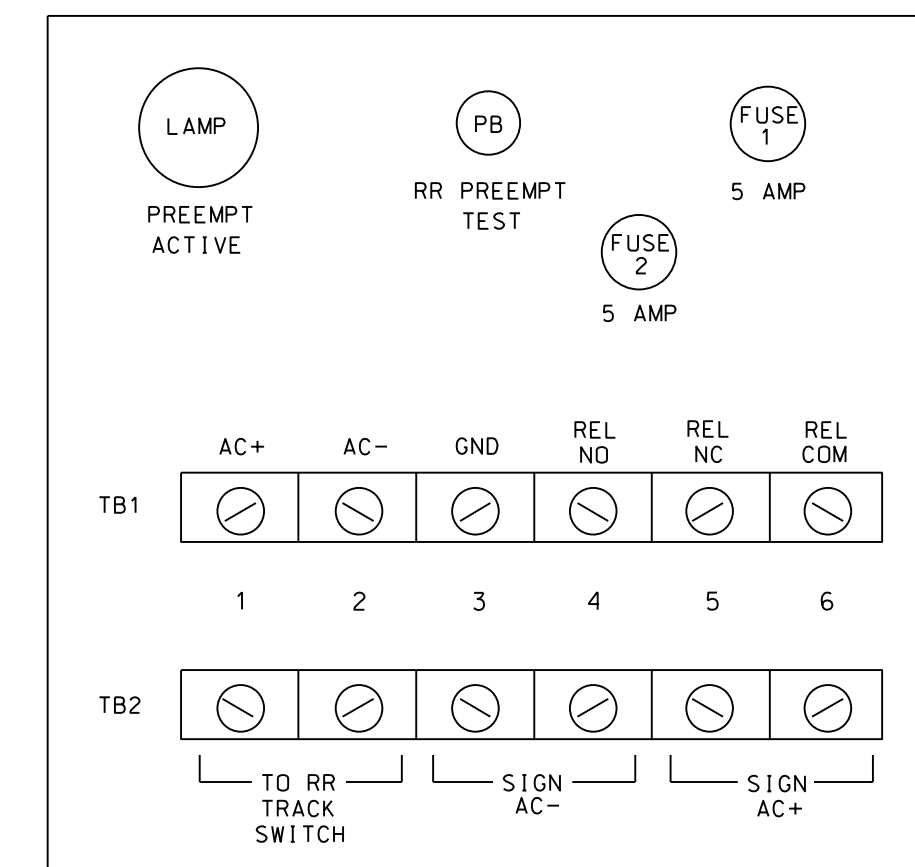
(wire as shown below)



**NOTES**

- Relay K1 is shown in the energized (Preempt not active) normal operation state.
- Relay K1 is a DPDT with 120VAC coil with octal base.
- Relay SSR1 is a SPST (normally open) Solid State Relay with AC input and AC (25 amp) output.
- AC Isolator Card shall activate preemption upon removal of AC+ from the input (as shown above). To accomplish this set invert dip switch on AC Isolator Card.
- IMPORTANT!!** A jumper must be added between input file terminals J14-E and J14-K if not already present. Also, terminal TB9-12 (on input panel) shall be connected to AC neutral (jumper may have to be added).

**FRONT VIEW**



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-2171  
 DESIGNED: August 2014  
 SEALED: 4-24-15  
 REVISED: N/A

**ELECTRICAL DETAIL SHEET 3 OF 3**

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|--|---|--|
| ELECTRICAL AND PROGRAMMING DETAILS FOR:<br>Prepared in the Offices of:<br><br>750 N. Greenfield Pkwy, Garner, NC 27529 | SR 4053 (Surrett Drive)<br>at<br>Fraley Road/Finch Avenue   | SEAL<br><br>SEAL 008453<br>JOHN T. ROWE, JR.<br>ENGINEER |
|  | Division 7 Guilford County High Point<br>PLAN DATE: September 2014 REVIEWED BY: JTR<br>PREPARED BY: James Peterson REVIEWED BY: |  |
| REVISIONS:   |   | SIG. INVENTORY NO. 07-2171                               |