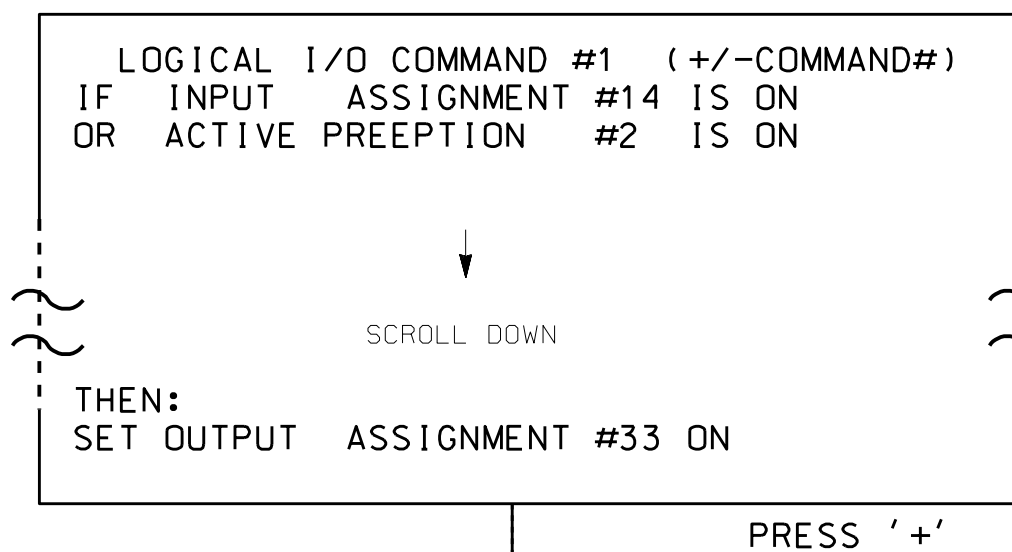


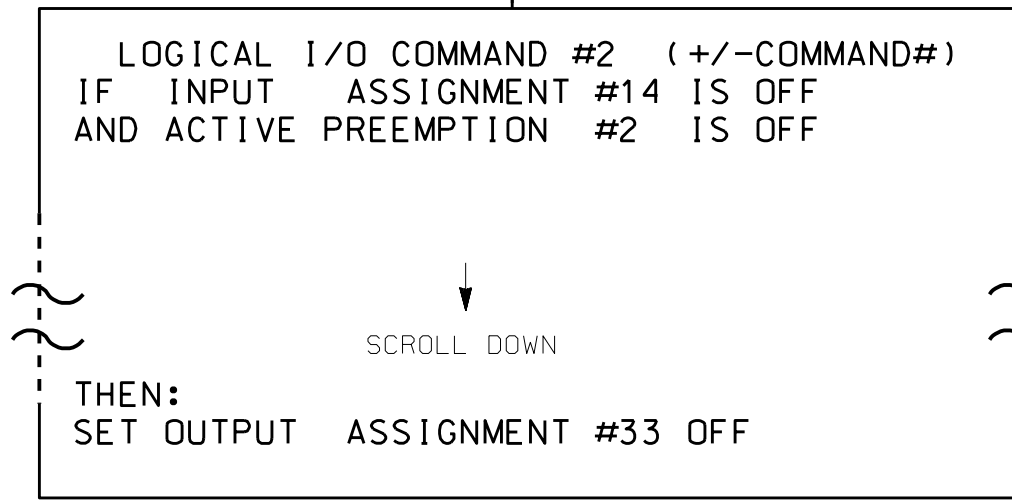
LOGICAL I/O PROCESSOR PROGRAMMING DETAIL FOR INDICATOR LAMP CONTROL

(program controller as shown below)

- FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE ACT LOGIC COMMANDS 1 AND 2.
- FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).



NOTE: FIRE HOUSE PILOT LAMP LOGIC.



NOTE: FIRE HOUSE PILOT LAMP LOGIC.

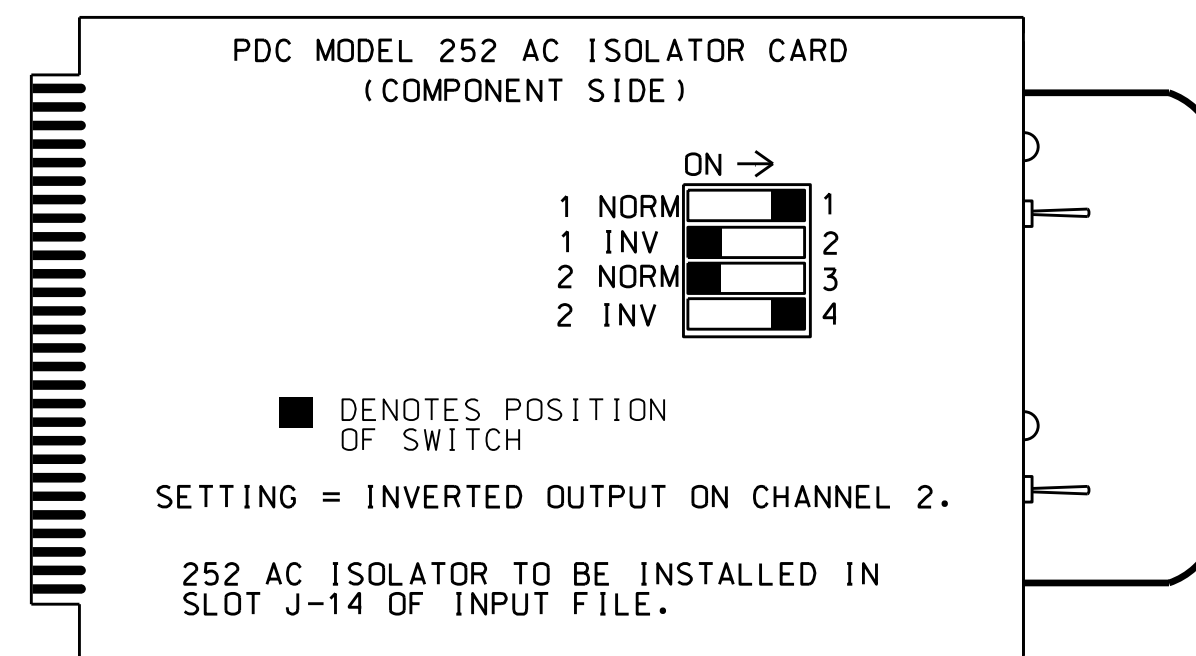
OUTPUT REFERENCE SCHEDULE

USE TO INTERPRET LOGIC PROCESSOR

INPUT 14 = Preempt 2
OUTPUT 33 = Phase 2 PED Yellow

PREEMPT 2 AC ISOLATOR (MODEL 252) OUTPUT PROGRAMMING DETAIL

(set DIP switches as shown below)

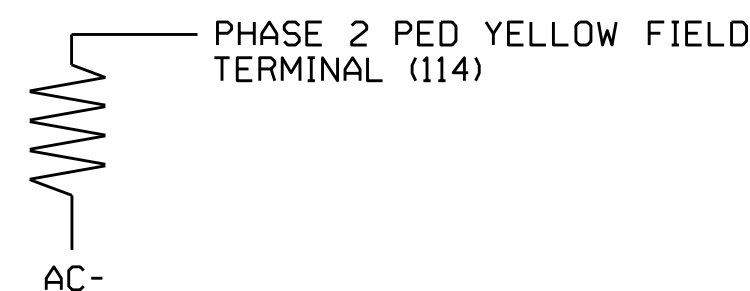


NOTE: IF ANOTHER MANUFACTURER TYPE OF AC ISOLATOR IS USED, OUTPUT PROGRAMMING IS LIKELY NOT TO EQUATE TO THAT SHOWN ABOVE.

LOAD RESISTOR INSTALLATION DETAIL

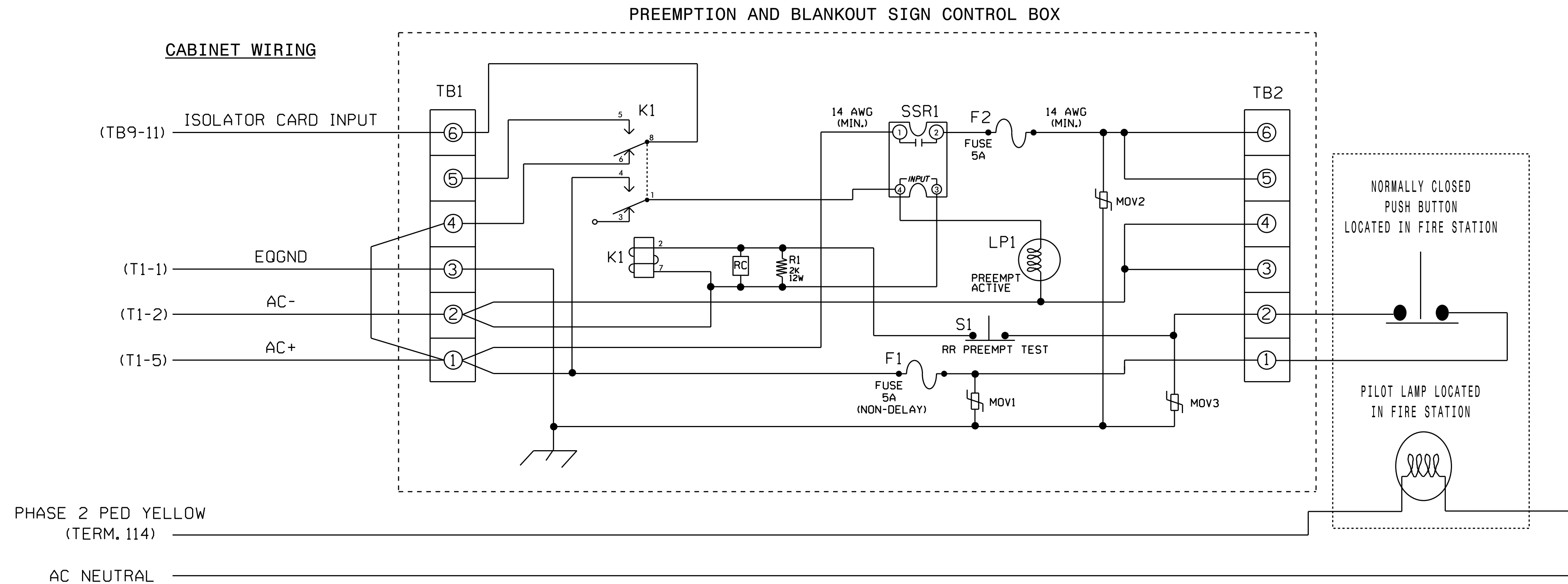
(install resistor as shown below)

| VALUE (ohms) | WATTAGE |
|--------------|-----------|
| 1.5K - 1.9K | 25W (min) |
| 2.0K - 3.0K | 10W (min) |



EV Preemption Control Box Wiring Detail

(wire as shown below)

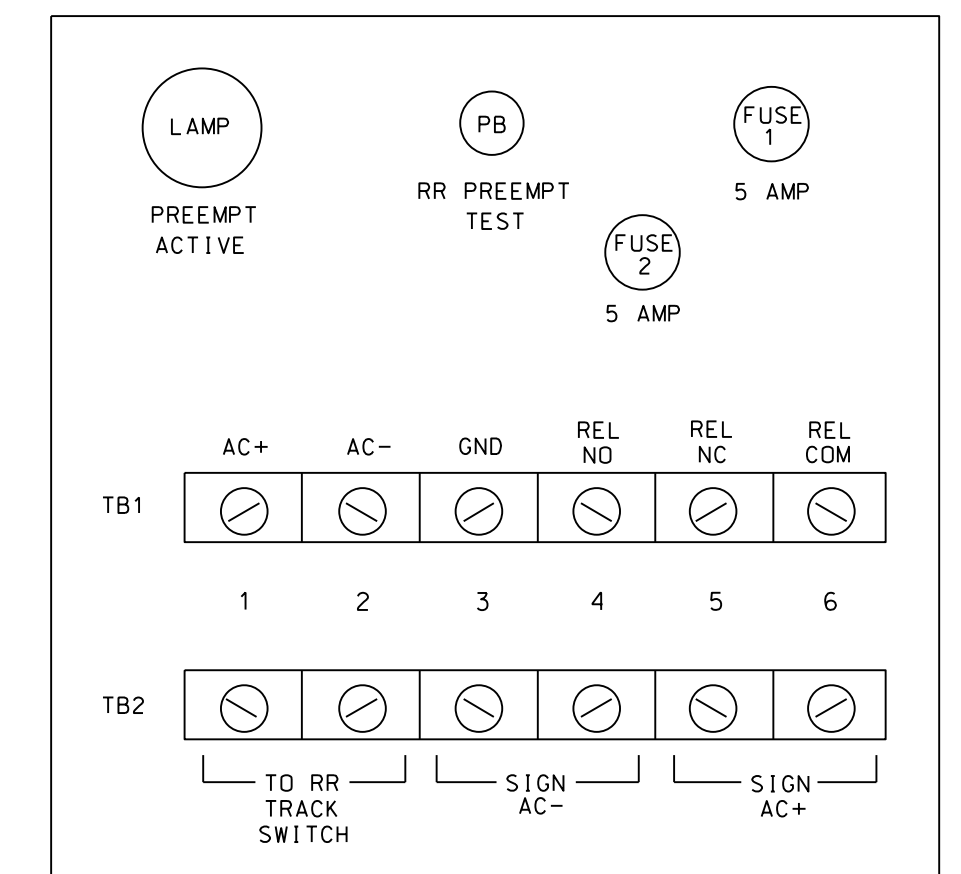


PHASE 2 PED YELLOW (TERM. I14)
AC NEUTRAL

NOTES

- Relay K1 is shown in the energized (Preempt not active) normal operation state.
- Relay 'K1' is an enclosed DPDT general purpose relay with a 120VAC coil, 10A contacts, and octal-style plug.
- 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!! 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: 13-0220
DESIGNED: June 2016
SEALED: 11-09-16
REVISED: N/A

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

From Main Menu press 'A' (Preemption), then '1' (Standard Preemptions). Press 'NEXT' as needed to advance to Preempt 2.

| PREEMPTION #2 | INTERVAL/TIMING | GRN | YEL | RED | SETTINGS (NEXT:1-10) | CLEAR/DWELL PHASES |
|---------------|-----------------|-----|-----|-----|----------------------|--------------------|
| 1 | 255 0.0 0.0 | | | | X | |
| 2 | 0 0.0 0.0 | | | | | |
| 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) | MED |
| DELAY TIMER (0-255 SEC) | * |
| MIN GREEN BEFORE PRE (0= DEFAULT)... | 7 |
| PED CLEAR BEFORE PRE (0= DEFAULT)... | 0 |
| YELLOW CLEAR BEFORE PRE (0= DEFAULT)... | 0.0 |
| RED CLEAR BEFORE PRE (0= DEFAULT)... | 0.0 |
| DWELL MIN TIMER (0-255 SEC) | * |
| DWELL MAX TIMER (0=OFF,1-255MIN) ... | 0 |
| DWELL HOLD-OVER TIMER (0-255) | 0 |
| LATCH CALL? | Y |
| 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? | Y |
| 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: | ABCDEFGHIJKLMNDP |
| DWELL INT FLASH YELLOW | |
| OMIT OVERLAPS: | |

* Denotes timing to be determined in field.

Electrical Detail - Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

| | | | |
|--|---|---|----------|
| | DETAILS FOR: US 19-23-74A (Patton Ave) at SR 1332 (Louisiana Ave) | | SEAL |
| | Division 13 PLAN DATE: November 2016 PREPARED BY: James Peterson | Buncombe County REVIEWED BY: BAS REVIEWED BY: | |
| 750 N. Greenfield Pkwy, Garner, NC 27529 | | SIG. INVENTORY NO. 13-0220 | |

11/14/2016 11:10 AM
 S:\Projects\13-0220\13-0220_schematic\13-0220_schematic.dgn
 J. Peterson