

EV Preemption Control Box Wiring Detail

(wire as shown below)

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

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

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

EXIT CALLS

OPTIONS

PRIORITY (Y/N TO SELECT)MED

DELAY TIMER (0-255 SEC)*

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)*

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?Y

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

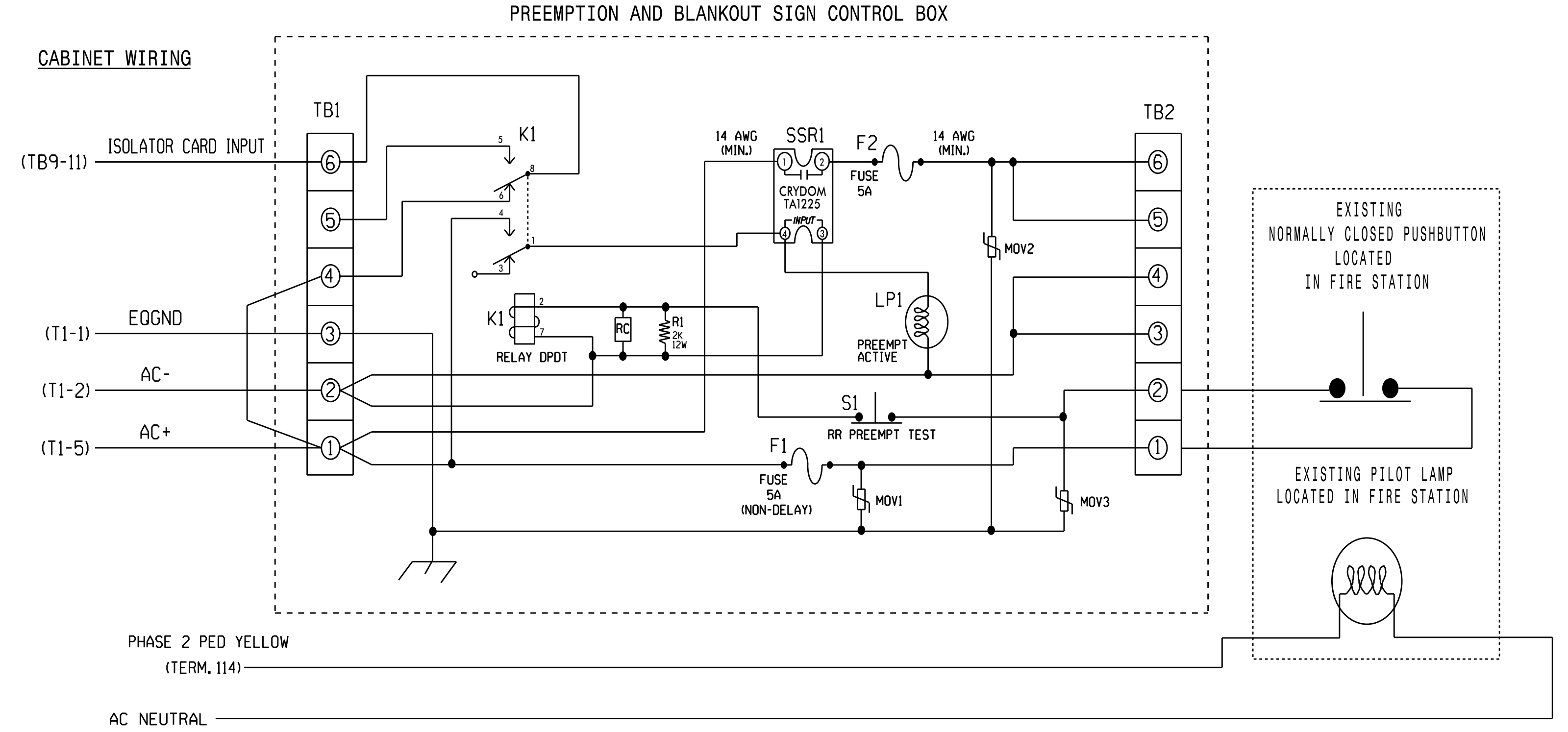
RE-TIME DWELL INTERVAL?Y

OVERLAPS: ABCDEFGHIJKLMNPO

DWELL INT FLASH YELLOW

OMIT OVERLAPS:

* Denotes timing to be determined in field.



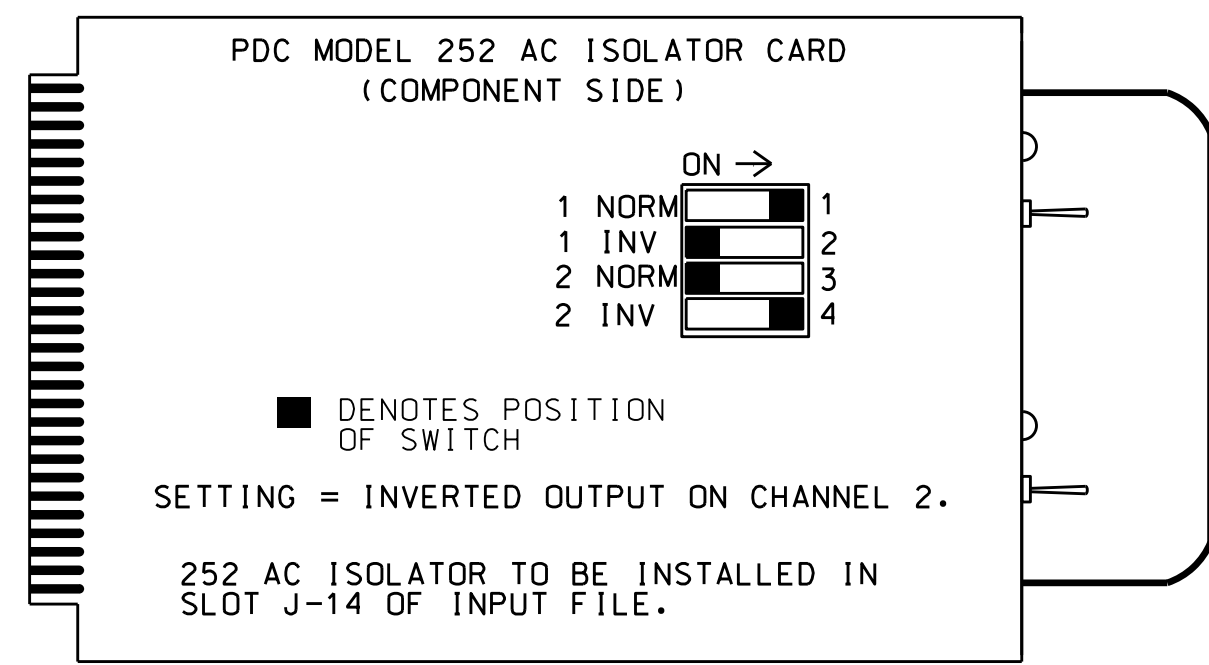
FRONT VIEW

LAMP NOTES

1. Make sure load resistors are in place as shown in the Load Resistor Installation Detail on sheet 1.
2. Install a loadswitch in Output File Slot S3.

PREEMPT 2 AC ISOLATOR (MODEL 252) OUTPUT PROGRAMMING DETAIL

(set DIP switches as shown below)

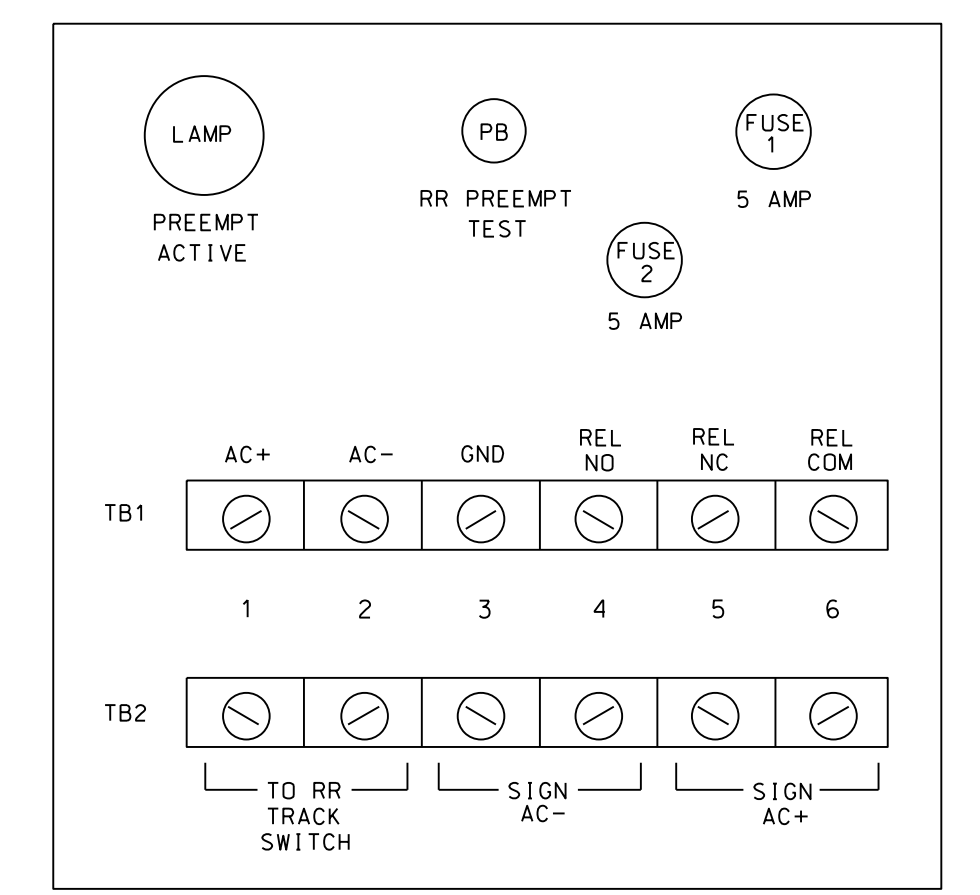


NOTE: IF ANOTHER MANUFACTURER TYPE OF AC ISOLATOR IS USED, OUTPUT PROGRAMMING IS LIKELY NOT TO EQUATE TO THAT SHOWN ABOVE.

NOTES

1. Relay K1 is shown in the energized (Preempt not active) normal operation state.
2. Relay K1 is a DPDT with 120VAC coil with octal base.
3. Relay SSR1 is a SPST (normally open) Solid State Relay with AC input and AC (25 amp) output.
4. 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.
5. 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



DYNAMIC BACK-UP CONTROL PROGRAMMING

(program controller as shown below)

1. From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Scroll to the bottom of the menu and enable Dynamic/Backup Control Function 1.
2. From Phase Control Functions Menu press '2' (Dynamic/Backup Control Functions).

DYNAMIC/BACKUP CONTROL FUNCTION #01	OVERLAPS: ABCDEFGHIJKLMNPO
IF OVERLAPS ARE ACTIVE	
OR PHASES ARE ON	
OMIT PHASES	X
CALL PHASES	

BACKUP PROTECTION PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1834
 DESIGNED: April 2014
 SEALED: 4-08-15
 REVISED: N/A

Electrical Detail - Sheet 3 of 3

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<p>Division 7 Guilford County High Point</p> <p>PLAN DATE: July 2014 REVIEWED BY: JTR</p> <p>PREPARED BY: James Peterson REVIEWED BY:</p>	<p>SR 1541 (W. Wendover Avenue) at Morris Farm Drive</p>
<p>REVISIONS</p> <p>INIT. DATE</p>	<p>DocuSigned by: John T. Rowe, Jr. 4/21/2015</p> <p>SIG. INVENTORY NO. 07-1834</p>

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 J. Peterson