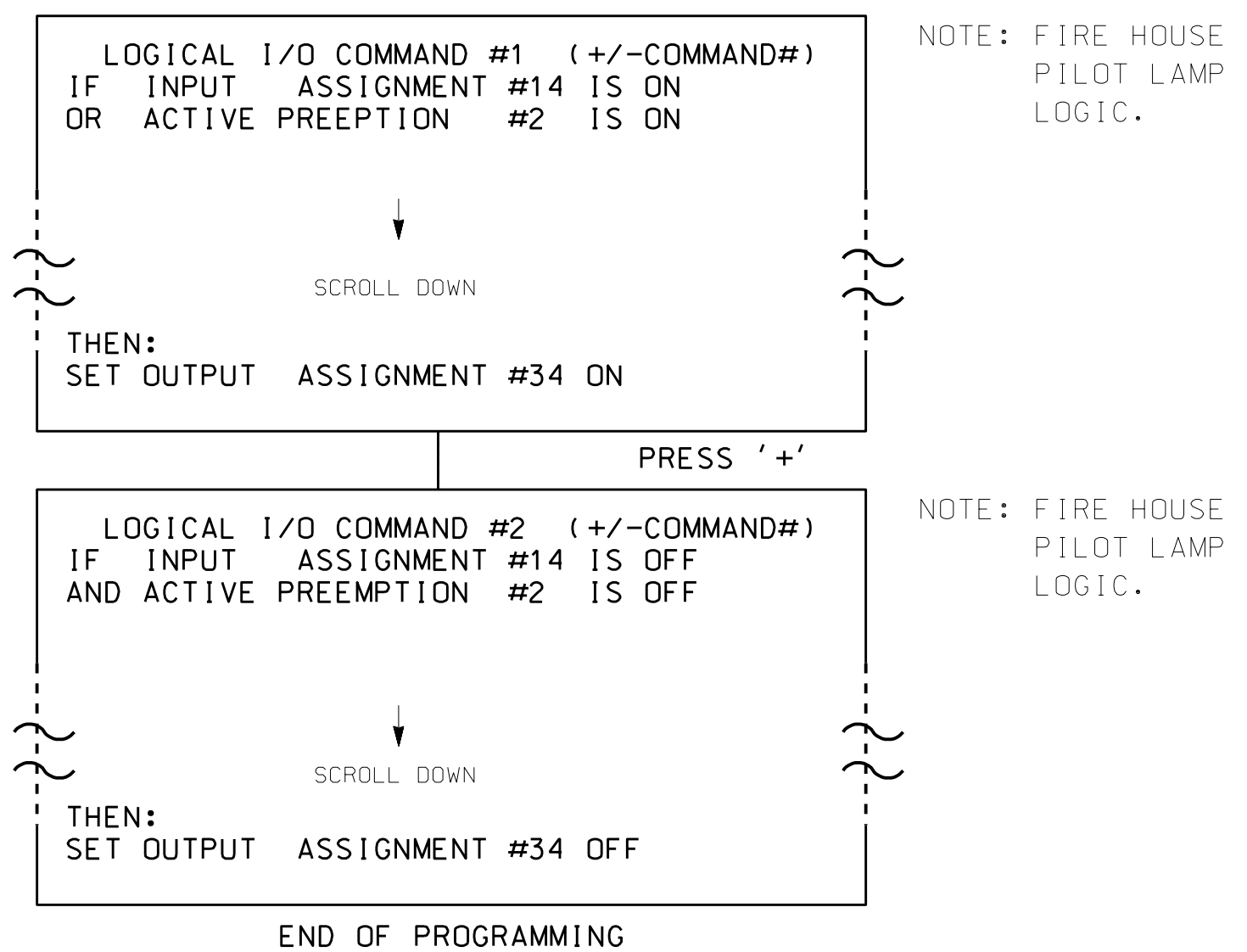## LOGICAL I/O PROCESSOR PROGRAMMING DETAIL
FOR INDICATOR LAMP CONTROL
(program controller as shown below)

1. FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE ACT LOGIC COMMANDS 1 AND 2.

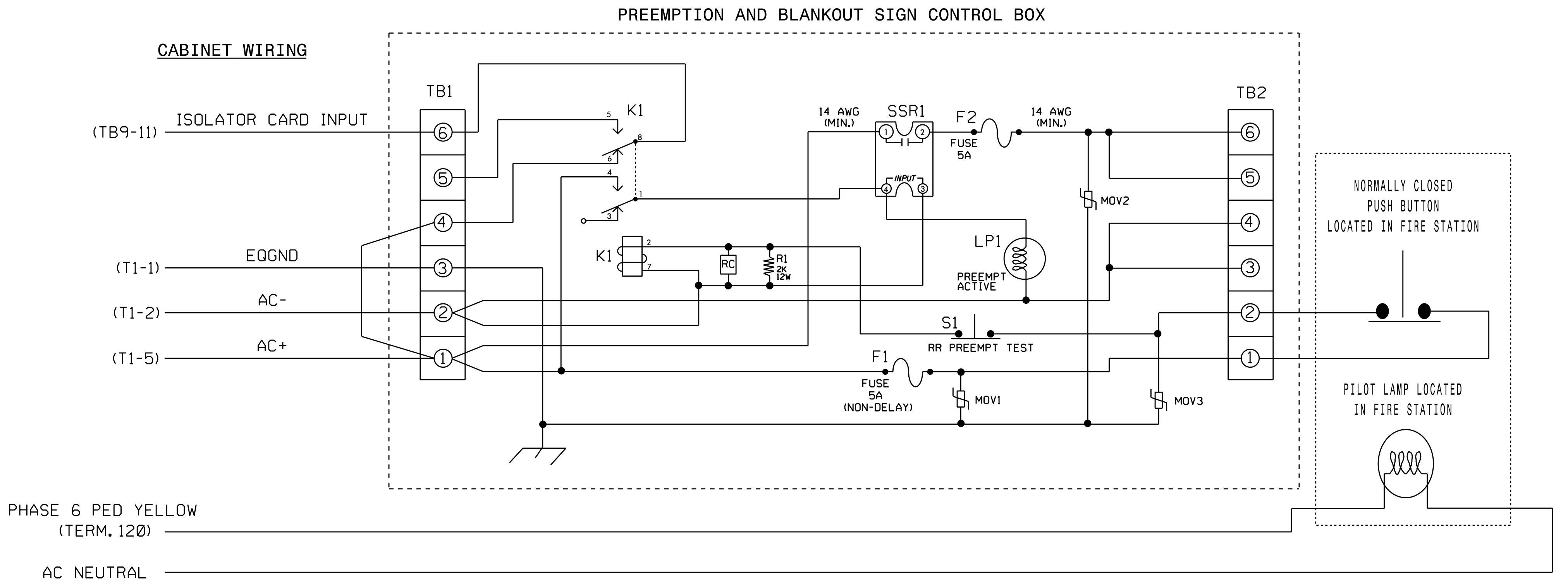2. FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).

```
LOGICAL I/O COMMAND #1  (+/-COMMAND#)
IF  INPUT    ASSIGNMENT #14 IS ON
OR  ACTIVE PREEMPTION  #2 IS ON
```
NOTE: FIRE HOUSE PILOT LAMP LOGIC.

SCROLL DOWN

```
THEN:
SET OUTPUT  ASSIGNMENT #34 ON
```
PRESS '+'

```
LOGICAL I/O COMMAND #2  (+/-COMMAND#)
IF  INPUT    ASSIGNMENT #14 IS OFF
AND ACTIVE PREEMPTION  #2 IS OFF
```
NOTE: FIRE HOUSE PILOT LAMP LOGIC.

SCROLL DOWN

```
THEN:
SET OUTPUT  ASSIGNMENT #34 OFF
```

END OF PROGRAMMING

OUTPUT REFERENCE SCHEDULE
USE TO INTERPRET LOGIC PROCESSOR

INPUT 14 = Preempt 2
OUTPUT 34 = Phase 6 PED Yellow
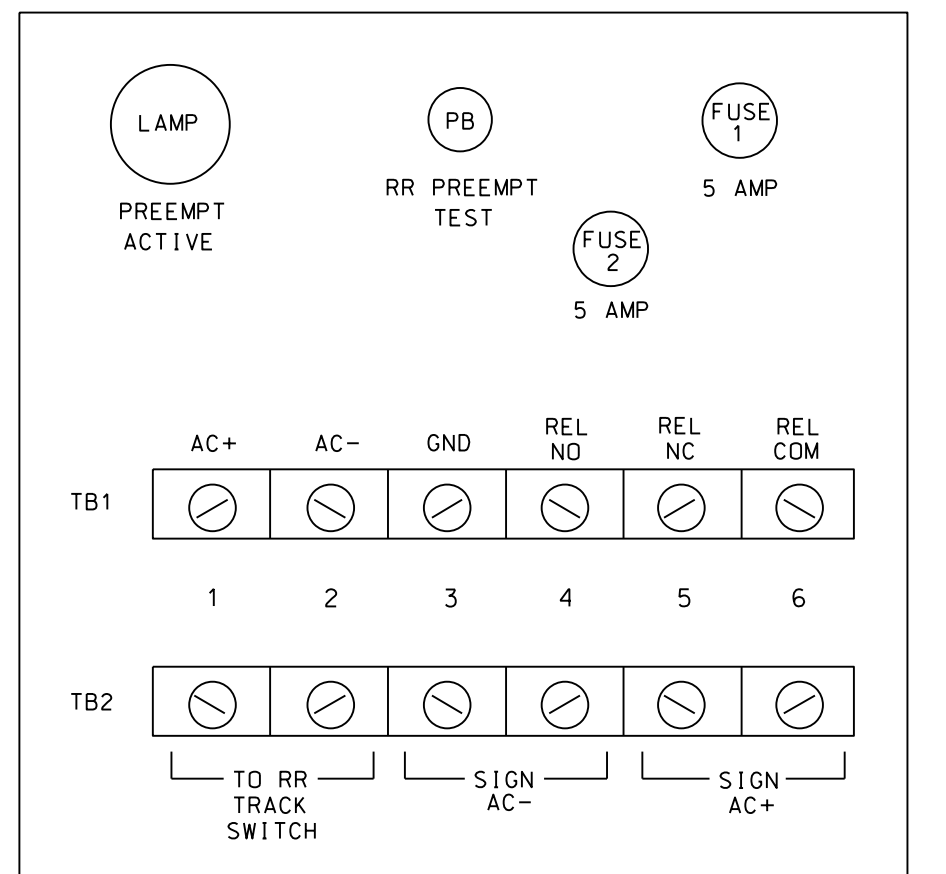
EV Preemption Control Box Wiring Detail
(wire as shown below)

PREEMPTION AND BLANKOUT SIGN CONTROL BOX

CABINET WIRING

PHASE 6 PED YELLOW (TERM. 120)

AC NEUTRAL

PREEMPT 2 AC ISOLATOR (MODEL 252)
OUTPUT PROGRAMMING DETAIL
(set DIP switches as shown below)

```
PDC MODEL 252 AC ISOLATOR CARD
(COMPONENT SIDE)
            ON →
1 NORM         1
1 INV          2
2 NORM         3
2 INV          4
```
■ DENOTES POSITION OF SWITCH

SETTING = INVERTED OUTPUT ON CHANNEL 2.

252 AC ISOLATOR TO BE INSTALLED IN SLOT J-14 OF INPUT FILE.

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

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  |1234567891011121314151 6
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)....1
PED CLEAR BEFORE PRE (0= DEFAULT)....12
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? .......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:                 ABCDEFGHIJKLMNOP
DWELL INT FLASH YELLOW
OMIT OVERLAPS:
```

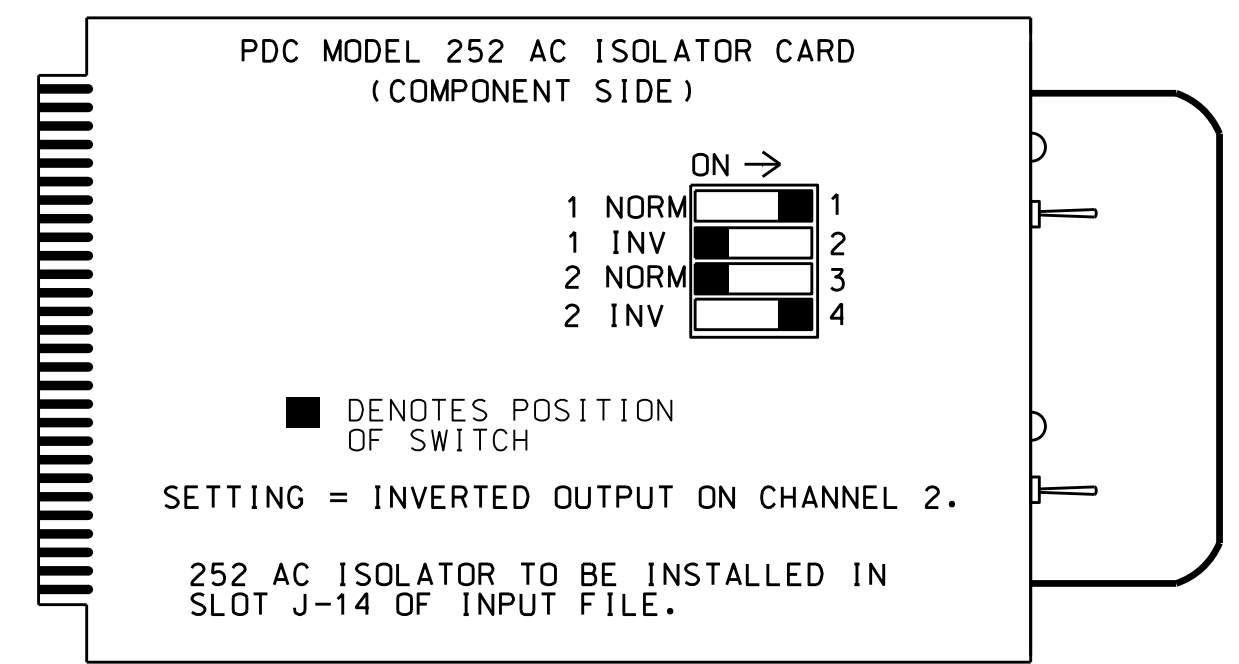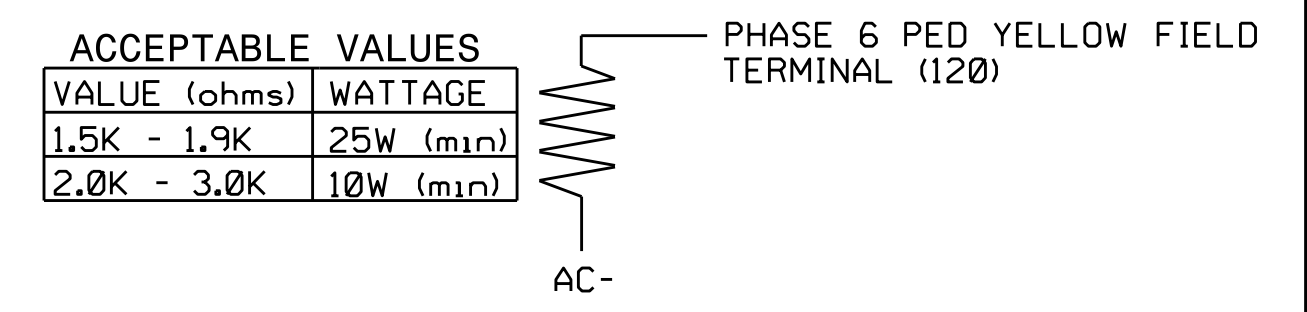* Denotes timing to be determined in field.

NOTES

1. Relay K1 is shown in the energized (Preempt not active) normal operation state.

2. Relay 'K1' is an enclosed DPDT general purpose relay with a 120VAC coil, 10A contacts, and octal-style plug.

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!! Terminal TB9-12 (on input panel) shall be connected to AC neutral (jumper may have to be added).

LOAD RESISTOR INSTALLATION DETAIL
(install resistor as shown below)

PHASE 6 PED YELLOW FIELD TERMINAL (120)

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

ACCEPTABLE VALUES

AC-

FRONT VIEW