PROJECT REFERENCE NO.	SHEET NO.
U-4715B	Sig. 247.3

EV PREEMPTION PUSHBUTTON WIRING DETAIL USING PREEMPT CONTROL BOX

(wire as shown below)

PREEMPTION CONTROL BOX

CABINET WIRING

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

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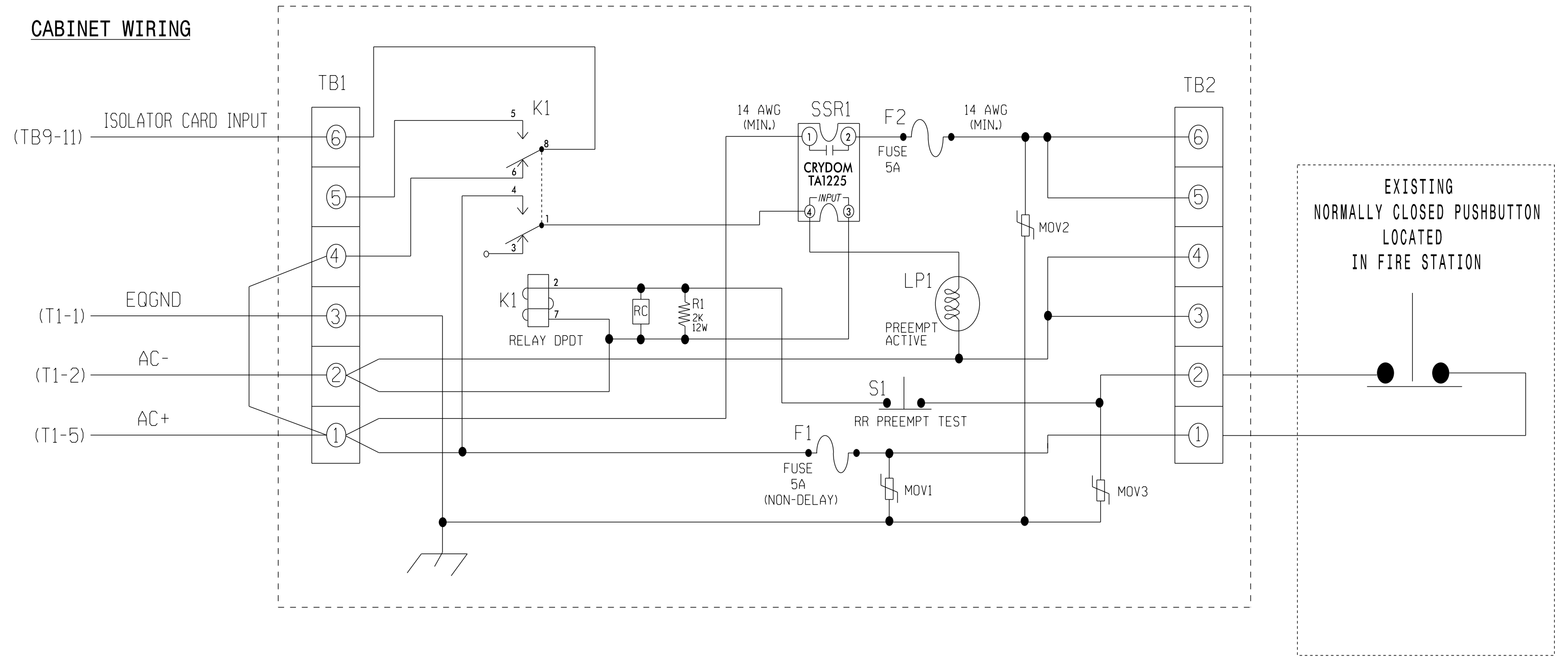(Standard Preemptions). Press 'NEXT' to advance
to Preemption #2.

```
PREEMPTION  #2   SETTINGS (NEXT:1-10)
INTERVAL/TIMING │ CLEAR/DWELL PHASES
  GRN YEL  RED  │1234567891011121314 1516
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)....0
YELLOW CLEAR BEFORE PRE (0= DEFAULT).0.0
RED CLEAR BEFORE PRE (0= DEFAULT)....0.0
DWELL MIN TIMER (0-255 SEC) .........60
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? ....Y
SERVICE DURING SOFTWARE FLASH? ......Y
REST IN RED DURING DWELL INTERVAL? ..N
FLASH DWELL INTERVAL? ...............N
ALLOW PEDS IN DWELL INTERVAL? .......N
RE-TIME DWELL INTERVAL? .............Y
OVERLAPS:            │ ABCDEFGHIJKLMNOP
DWELL INT FLASH YELLOW│
OMIT OVERLAPS:       │ X
```

✱ Denotes timing to be determined in field.

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.
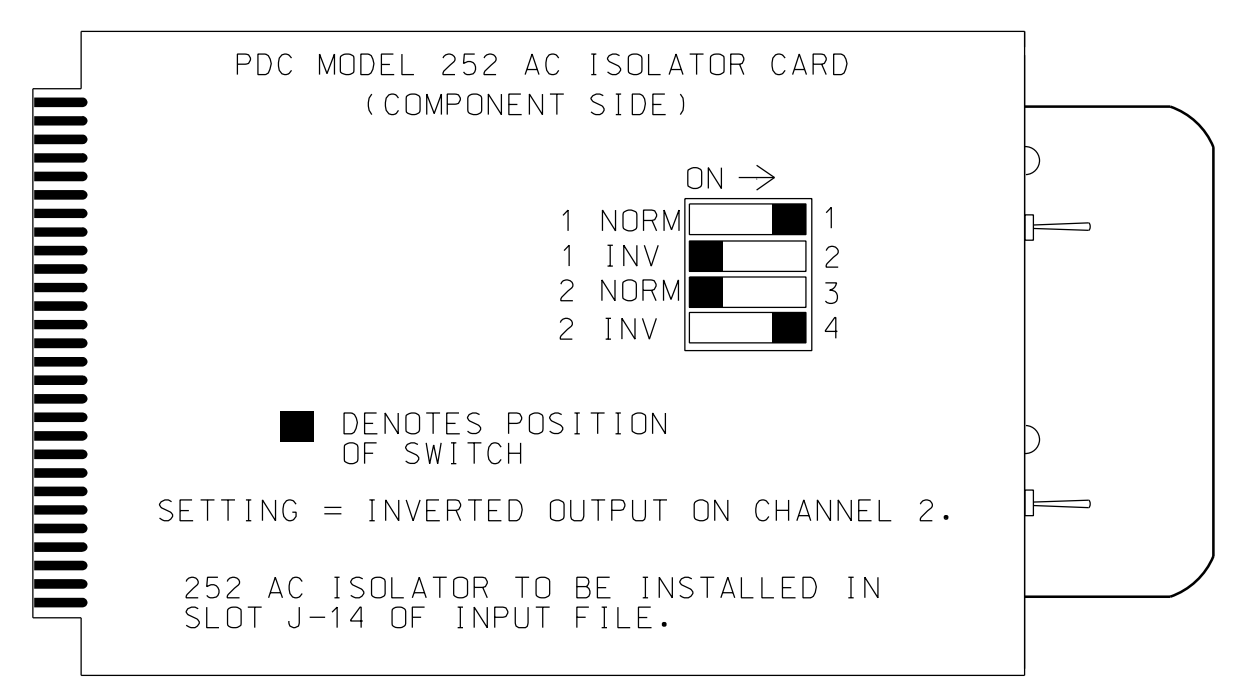
NOTES

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

2. Relay K1 is a DPDT Relay with 120VAC coil and 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!! Terminal TB9-12 (on input panel) shall be
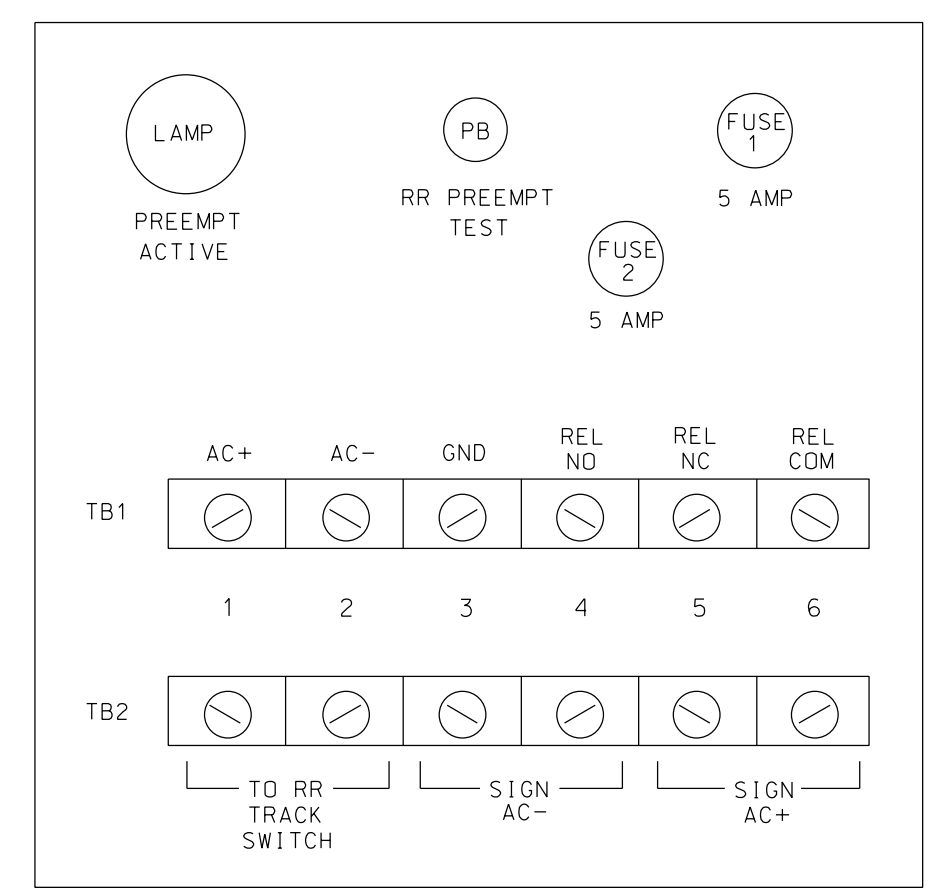   connected to AC neutral (jumper may have to be added).

FRONT VIEW

EXISTING
NORMALLY CLOSED PUSHBUTTON
LOCATED
IN FIRE STATION

ELECTRICAL DETAIL SHEET 3 OF 3

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: COA-12
DESIGNED: September 2016
SEALED: December 2016
REVISED: