EMERGENCY VEH. PREEMPTION PUSHBUTTON
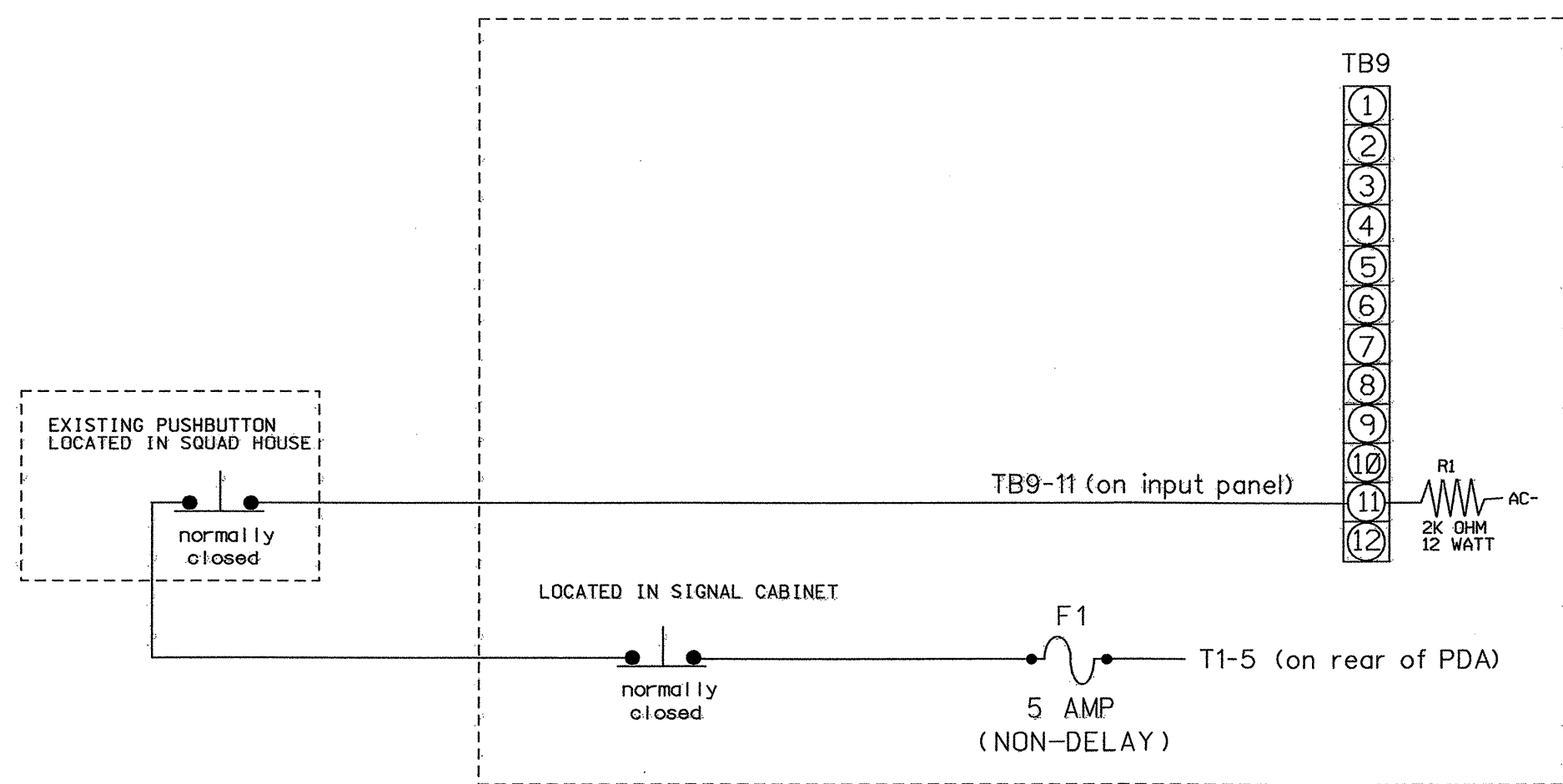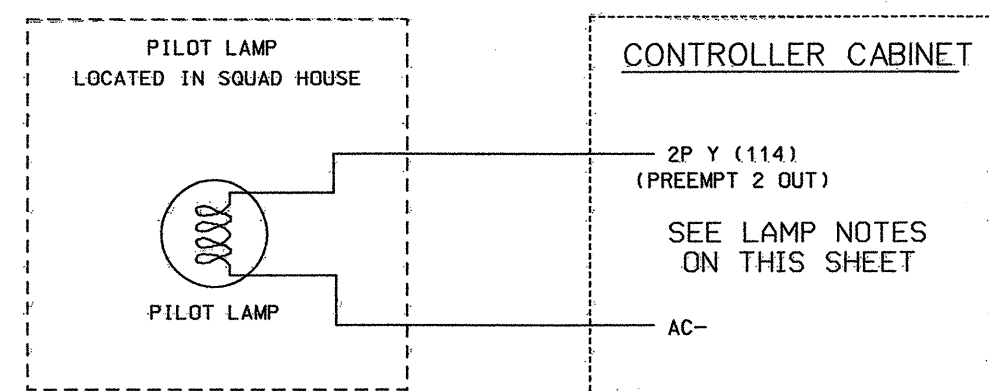## AND INDICATOR LAMP WIRING DETAIL

(wire push-button and lamp as shown below)

TB9

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

EXISTING PUSHBUTTON
LOCATED IN SQUAD HOUSE

normally closed

TB9-11 (on input panel)

R1
2K OHM
12 WATT

AC-

LOCATED IN SIGNAL CABINET

F1

normally closed

5 AMP
(NON-DELAY)

T1-5 (on rear of PDA)

IMPORTANT!

MAKE SURE AC ISOLATOR INSERTED IN J14L IS SET FOR INVERTED INPUT.

PILOT LAMP
LOCATED IN SQUAD HOUSE

CONTROLLER CABINET

2P Y (114)
(PREEMPT 2 OUT)

SEE LAMP NOTES
ON THIS SHEET

PILOT LAMP

AC-

LAMP NOTES

IN ORDER FOR PILOT LAMP IN RESCUE SQUAD HOUSE TO FUNCTION, MAKE THE FOLLOWING
PROGRAMMING CHANGES TO OUTPUT NO. 33.

1. CHANGE THE FUNCTION OF C1 PIN 35 TO BE AN OUTPUT FOR PREEMPT 2.
   THIS IS ACCOMPLISHED BY THE FOLLOWING:

   A) FROM MAIN MENU SELECT 6 (OUTPUTS).
      THEN SELECT 1 (OUTPUT ASSIGNMENTS).

   B) SCROLL TO C1 PIN 35, OUTPUT NO. 33.
      YOU WILL SEE THAT IT IS NOT ENABLED.

   C) SCROLL DOWN TO PREEMPT AND INPUT 'YES'.
      YOU WILL THEN BE ASKED FOR A PREEMPT NO.
      ENTER A '2' HERE.

   D) THE OUTPUT IS NOW ASSIGNED FOR PRE-2 OUTPUT.

2. IF TERMINAL 114 HAS A CONFLICT MONITOR WIRE CONNECTED,
   REMOVE, TAPE AND LABEL WIRE.

3. MAKE SURE LOAD RESISTORS ARE IN PLACE AS SHOWN IN LOAD RESISTOR
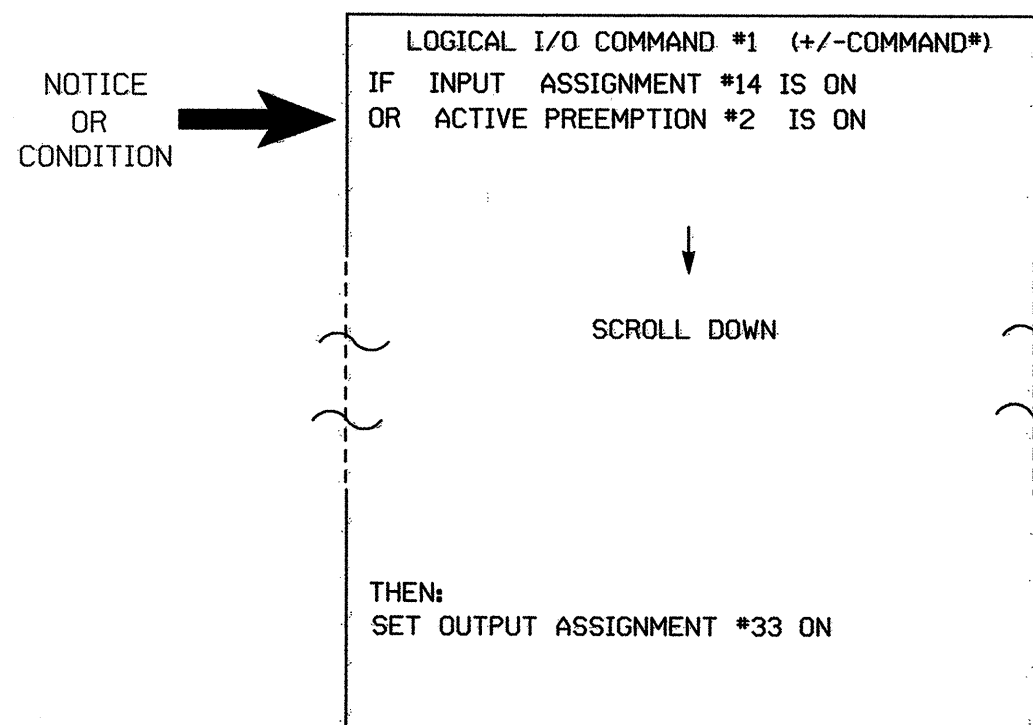   INSTALLATION DETAIL ON PAGE 1.

4. INSERT LOADSWITCH FOR S2P.

PROGRAMING LOGICAL I/O PROCESSOR DETAIL

NOTE

WHEN PREEMPT DELAY TIMER IS IN USE STEP 1 SHOWN BELOW IS NECESSARY
TO ENSURE PILOT LAMP IN RESCUE SQUAD HOUSE WILL ACTIVATE IMMEDIATELY AFTER
PUSH BUTTON IS DEPRESSED :

STEP 1

FROM MAIN MENU: ENTER ⑥ (OUTPUTS).
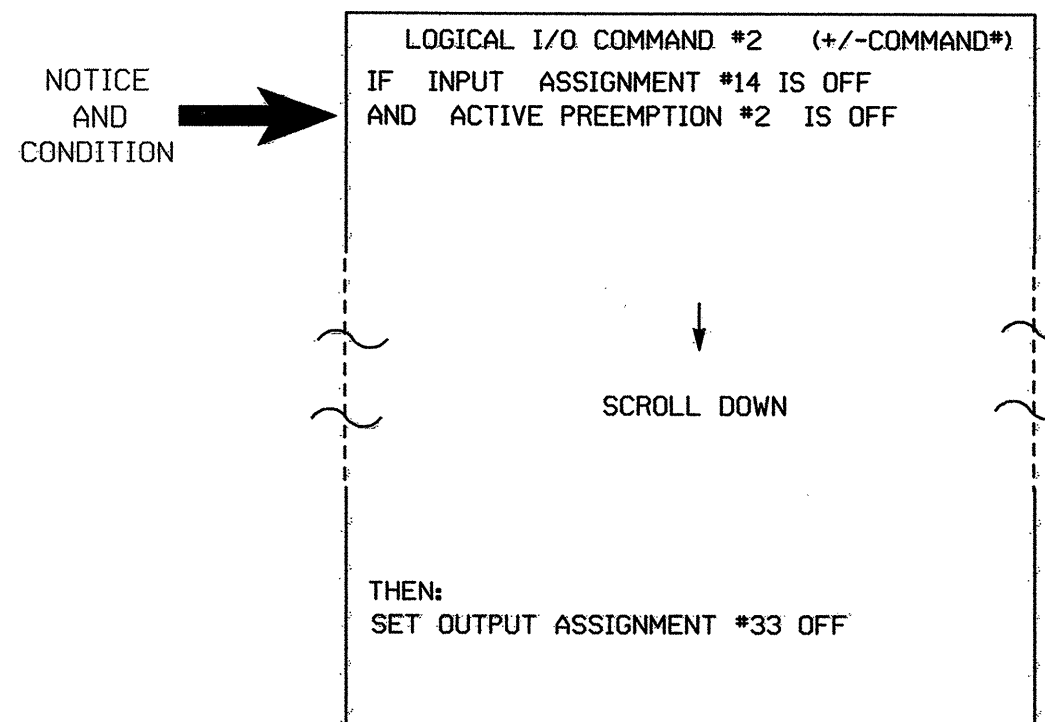THEN SELECT ③ (LOGICAL I/O PROCESSOR).

NOTICE
OR
CONDITION

LOGICAL I/O COMMAND #1 (+/-COMMAND#)
IF INPUT ASSIGNMENT #14 IS ON
OR ACTIVE PREEMPTION #2 IS ON

SCROLL DOWN

THEN:
SET OUTPUT ASSIGNMENT #33 ON

STEP 2

NOTE

IN ORDER FOR PILOT LAMP IN SQUAD HOUSE TO DEACTIVATE IMMEDIATELY AFTER
ENDING PREEMPTION, PROGRAM THE FOLLOWING:

TOGGLE THE + BUTTON ONCE TO
ACCESS LOGICAL I/O COMMAND #2.

NOTICE
AND
CONDITION

LOGICAL I/O COMMAND #2 (+/-COMMAND#)
IF INPUT ASSIGNMENT #14 IS OFF
AND ACTIVE PREEMPTION #2 IS OFF

SCROLL DOWN

THEN:
SET OUTPUT ASSIGNMENT #33 OFF

STEP 3

FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS).
SCROLL TO THE BOTTOM OF THE MENU AND ENABLE LOGICAL PROCESSOR (ACT LOGIC 1-16)
BY FLAGGING #1 AND #2.

END OF PROGRAM.

EMERGENCY VEHICLE PREEMPTION
PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS 'A' (PREEMPTION), THEN '1' (STANDARD
PREEMPTIONS). PRESS THE "NEXT" KEY TO ADVANCE TO PREEMPT 2.

```
   PREEMPTION  #2  SETTINGS (NEXT:1-10)
  INTERVAL/TIMING |  CLEAR/DWELL PHASES
   GRN YEL  RED   |12345678910111213141516
 1 255  4.0  3.0 |  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 |
 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)....O
 YELLOW CLEAR BEFORE PRE (0= DEFAULT).4.7
 RED CLEAR BEFORE PRE (0= DEFAULT)....3.0
 DWELL MIN TIMER (0-255 SEC) .........∗
 DWELL MAX TIMER (0=OFF,1-255MIN)....O
 DWELL HOLD-OVER TIMER (0-255) .......O
 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? ......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:
```

∗ DENOTES TIMING TO BE DETERMINED IN FIELD.

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