LOGICAL I/O PROCESSOR PROGRAMMING DETAIL

(program controller as shown below)

1. FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE

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

ENABLE ACT LOGIC COMMANDS 1.2.3.4. AND 5.

LOGICAL I/O COMMAND #1 (+/-COMMAND#)

LOGICAL I/O COMMAND #2 (+/-COMMAND#)

LOGICAL I/O COMMAND #3 (+/-COMMAND#)

LOGICAL I/O COMMAND #4 (+/-COMMAND#)

LOGICAL I/O COMMAND #5 (+/-COMMAND#)

#4 IS ON

#4 IS ON

PRESS '+'

IF INPUT ASSIGNMENT #14 IS ON

SCROLL DOWN

IF INPUT ASSIGNMENT #14 IS OFF

AND ACTIVE PREEMPTION #2 IS OFF

SCROLL DOWN

SET OUTPUT ASSIGNMENT #33 OFF

AND OUTPUT ASSIGNMENT #34 IS ON

SCROLL DOWN

AND OUTPUT ASSIGNMENT #34 IS OFF

SCROLL DOWN

SET OUTPUT ASSIGNMENT #14 OFF

IF GREEN ON OVERLAP #1 IS ON

OR GRN EXT ON OVERLAP #1 IS ON

OR YELLOW ON OVERLAP #1 IS ON

SCROLL DOWN

END OF PROGRAMMING

SET OUTPUT ASSIGNMENT #34 OFF

SET OUTPUT ASSIGNMENT #35 OFF

OUTPUT REFERENCE SCHEDULE

USE TO INTERPRET LOGIC PROCESSOR

OUTPUT 33 = Phase 2 PED Yellow

OUTPUT 14 = OLA Red (Duplicate)

OUTPUT 35 = Advance Beacon 1

OUTPUT 34 = Out of Phase Flasher

INPUT 14 = Preempt 2

OUTPUT 11 = OLA Red

SET OUTPUT ASSIGNMENT #11 OFF

IF ACTIVE PHASE

IF ACTIVE PHASE

SET OUTPUT ASSIGNMENT #33 ON

OR ACTIVE PREEPTION #2 IS ON

PROCESSOR).

CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND

PRESS '+'

NOTE: FIRE HOUSE

NOTE: FIRE HOUSE

LOGIC.

NOTE: LOGIC TO

NOTE: LOGIC TO

WIG-WAG THE

PHASE 4.

RED INDICATIONS

ON HEADS 21,22,

23 & 24 DURING

RED INDICATIONS

ON HEADS 21,22,

23 & 24 DURING

PHASE 4.

NOTE: LOGIC TO ENSURE

THAT RED

NOTE: Outputs 11, 14, 34, & 35

have been remapped.

See detail on Sheet 3.

INDICATIONS OF

HEADS 21,22,23,24

REMAIN DARK UNTIL

YELLOW CLEARANCE

FINISHED TIMING.

INTERVALS ARE

PILOT LAMP

LOGIC.

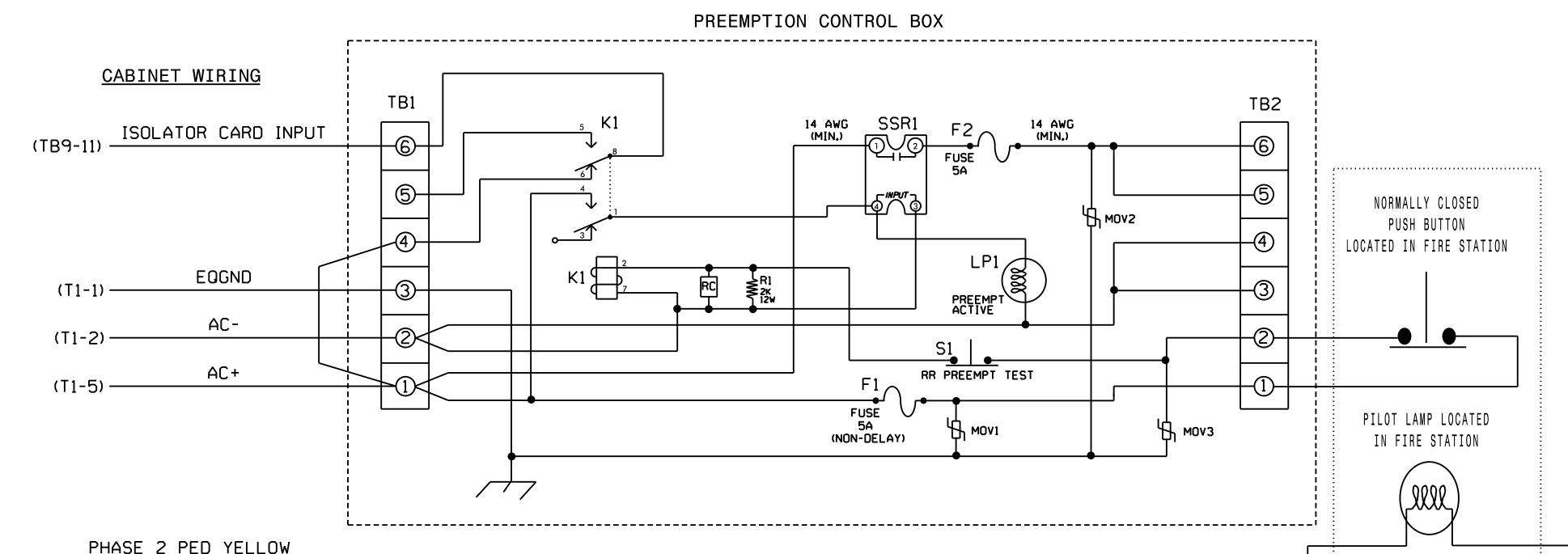
PILOT LAMP

FOR INDICATOR LAMP CONTROL

EV Preemption Control Box Wiring Detail

(wire as shown below)





EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL (program controller as shown below)

(TERM. 114)

AC NEUTRAL

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

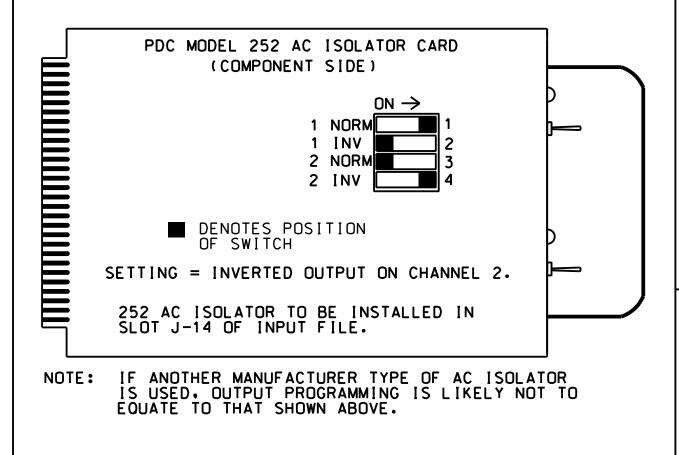
Preemption #2.
PREEMPTION #2 SETTINGS (NEXT:1-10) INTERVAL/TIMING
EXIT CALLS
OPTIONS PRIORITY (Y/N TO SELECT)MED
DELAY TIMER (0-255 SEC)*
MIN GREEN BEFORE PRE (O= DEFAULT)1
PED CLEAR BEFORE PRE (O= DEFAULT)O
YELLOW CLEAR BEFORE PRE (O= DEFAULT).0.0
RED CLEAR BEFORE PRE (O= DEFAULT)O.O
DWELL MIN TIMER (0-255 SEC)*
DWELL MAX TIMER (0=OFF.1-255MIN)0 DWELL HOLD-OVER TIMER (0-255)0
DWELL HOLD-OVER TIMER (0-255) O LATCH CALL?Y
LINK TO NEXT PREEMPT?
ENABLE BACKUP PROTECTION?
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?
ALLOW PEDS IN DWELL INTERVAL?N
RE-TIME DWELL INTERVAL?
OVERLAPS: ABCDEFGHIJKLMNOP
DWELL INT FLASH YELLOW
OMIT OVERLAPS:
I

PROGRAMMING COMPLETE

* Denotes timing to be determined in field.

PREEMPT 2 AC ISOLATOR (MODEL 252) **OUTPUT PROGRAMMING DETAIL**

(set DIP switches as shown below)



NOTES

THE SIGNAL DESIGN: 03-0635 DESIGNED: February 2018 SEALED: 8-1-18 REVISED: N/A

Electrical Detail - Sheet 2 of 3 | Signal Upgrade - Final Design

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

RTH CAROL

031464

ACINEER.

SIG. INVENTORY NO. 03-0635

DETAILS FOR:

ELECTRICAL AND PROGRAMMING

US 17 (Market Street) Ogden Volunteer Fire Dept

Division 03 New Hanover Co. PLAN DATE:

February 2018 REVIEWED BY: A.D. Klinksiek PREPARED BY: A.H. Thornburg REVIEWED BY: N.R. Simmons REVISIONS INIT. DATE

