

INPUT ASSIGNMENT PROGRAMMING DETAIL TO REASSIGN LONG VEHICLE OVERSPEED DETECTION SYSTEM FUNCTION

(program controller as shown below)

This programming takes each of the Long Vehicle Overspeed Detection System inputs and reassigns a unique Hold Phase to it.

FROM MAIN MENU PRESS '5' (INPUTS), THEN '+' UNTIL PIN 51 (INPUT 13) IS REACHED.

```

PAGE: 1 C1 PIN:51 HOLD PHASES
INPUT ASSIGNMENT #.....13
DEBOUNCE TIME (0-25.5 SEC).....0.5
DELAY TIME (0-25.5 SEC).....0.0
HOLD-OVER TIME (0-25.5 SEC).....0.0
ASSIGNMENT SELECTION:
NOT ENABLED (Y/N).....
VEHICLE DETECTOR (1-64).....
PEDESTRIAN DETECTOR (1-16).....
ALTERNATE PED DETECTOR (1-16).....
PREEMPT (1-10).....
INVERTED PREEMPT (1-10).....
STOP TIME (Y/N).....
FLASH SENSE (Y/N).....
DOOR OPEN (Y/N).....
MANUAL CONTROL ENABLE (Y/N).....
MANUAL CONTROL ADVANCE (Y/N).....
SPECIAL FUNCTION ALARM (1-8).....
TOD HOUR SYNCHRONIZATION (0-23).....
FORCE OFF RING (1-4).....
HOLD PHASES (1-16).....2
PLAN (65=FLSH,66=FREE)... OFFSET#...
CHANGE PHASE SEQUENCE PAGE (1-12)...
CHANGE PHASE TIMING PAGE (1-4).....
CHANGE PHASE CONTROL PAGE (1-4).....
CHANGE OVERLAP CONTROL PAGE (1-4).....
CHANGE INPUT PAGE (1-4).....
CHANGE OUTPUT PAGE (1-4).....
OVERRIDE PHASE CONTROL FUNCTION (Y)...
    
```

PRESS '+'

INPUT 13 IS THE OUTPUT FROM LVODS #1

```

PAGE: 1 C1 PIN:52 HOLD PHASES
INPUT ASSIGNMENT #.....14
DEBOUNCE TIME (0-25.5 SEC).....0.5
DELAY TIME (0-25.5 SEC).....0.0
HOLD-OVER TIME (0-25.5 SEC).....0.0
ASSIGNMENT SELECTION:
NOT ENABLED (Y/N).....
VEHICLE DETECTOR (1-64).....
PEDESTRIAN DETECTOR (1-16).....
ALTERNATE PED DETECTOR (1-16).....
PREEMPT (1-10).....
INVERTED PREEMPT (1-10).....
STOP TIME (Y/N).....
FLASH SENSE (Y/N).....
DOOR OPEN (Y/N).....
MANUAL CONTROL ENABLE (Y/N).....
MANUAL CONTROL ADVANCE (Y/N).....
SPECIAL FUNCTION ALARM (1-8).....
TOD HOUR SYNCHRONIZATION (0-23).....
FORCE OFF RING (1-4).....
HOLD PHASES (1-16).....6
PLAN (65=FLSH,66=FREE)... OFFSET#...
CHANGE PHASE SEQUENCE PAGE (1-12)...
CHANGE PHASE TIMING PAGE (1-4).....
CHANGE PHASE CONTROL PAGE (1-4).....
CHANGE OVERLAP CONTROL PAGE (1-4).....
CHANGE INPUT PAGE (1-4).....
CHANGE OUTPUT PAGE (1-4).....
OVERRIDE PHASE CONTROL FUNCTION (Y)...
    
```

PRESS '+' OR '-' TO REACH INPUT 64

INPUT 14 IS THE OUTPUT FROM LVODS #2

```

PAGE: 1 C1 PIN:0 PREEMPT
INPUT ASSIGNMENT #.....64
DEBOUNCE TIME (0-25.5 SEC).....0.5
DELAY TIME (0-25.5 SEC).....0.0
HOLD-OVER TIME (0-25.5 SEC).....0.0
ASSIGNMENT SELECTION:
NOT ENABLED (Y/N).....
VEHICLE DETECTOR (1-64).....
PEDESTRIAN DETECTOR (1-16).....
ALTERNATE PED DETECTOR (1-16).....
PREEMPT (1-10).....7
INVERTED PREEMPT (1-10).....
STOP TIME (Y/N).....
FLASH SENSE (Y/N).....
DOOR OPEN (Y/N).....
MANUAL CONTROL ENABLE (Y/N).....
MANUAL CONTROL ADVANCE (Y/N).....
SPECIAL FUNCTION ALARM (1-8).....
TOD HOUR SYNCHRONIZATION (0-23).....
FORCE OFF RING (1-4).....
HOLD PHASES (1-16).....
PLAN (65=FLSH,66=FREE)... OFFSET#...
CHANGE PHASE SEQUENCE PAGE (1-12)...
CHANGE PHASE TIMING PAGE (1-4).....
CHANGE PHASE CONTROL PAGE (1-4).....
CHANGE OVERLAP CONTROL PAGE (1-4).....
CHANGE INPUT PAGE (1-4).....
CHANGE OUTPUT PAGE (1-4).....
OVERRIDE PHASE CONTROL FUNCTION (Y)...
    
```

← Notice Preempt 7

PROGRAMMING COMPLETE

PREEMPT 7 PROGRAMMING DETAIL

(program controller as shown below)

THIS PREEMPT GOES ACTIVE IF EITHER LVODS HAS BEEN ACTIVE FOR MORE THAN 4 CONSECUTIVE MINUTES AND WILL PUT THE INTERSECTION IN FLASH.

FROM MAIN MENU PRESS 'A' (PREEMPTION), THEN '1' (STANDARD PREEMPTIONS). PRESS 'NEXT' UNTIL PREEMPTION #7 IS REACHED.

PREEMPTION #7	INTERVAL/TIMING	SETTINGS (NEXT:1-10)
GRN YEL RED	12345678910111213141516	
1 15 0.0 0.0	X X	
2 10 0.0 0.0	X X	
3 15 0.0 0.0	X X	
4 255 0.0 0.0	X X	
5 1 0.0 0.0	X X	

EXIT CALLS

OPTIONS

PRIORITY (Y/N TO SELECT)HIGH

DELAY TIMER (0-255 SEC)0.0

MIN GREEN BEFORE PRE (0= DEFAULT)....14

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)14

DWELL MAX TIMER (0=OFF,1-255MIN)0

DWELL HOLD-OVER TIMER (0-255)0

LATCH CALL?N

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?Y

ALLOW PEDS IN DWELL INTERVAL?N

RE-TIME DWELL INTERVAL?Y

OVERLAPS: ABCDEFGHIJKLMNPO

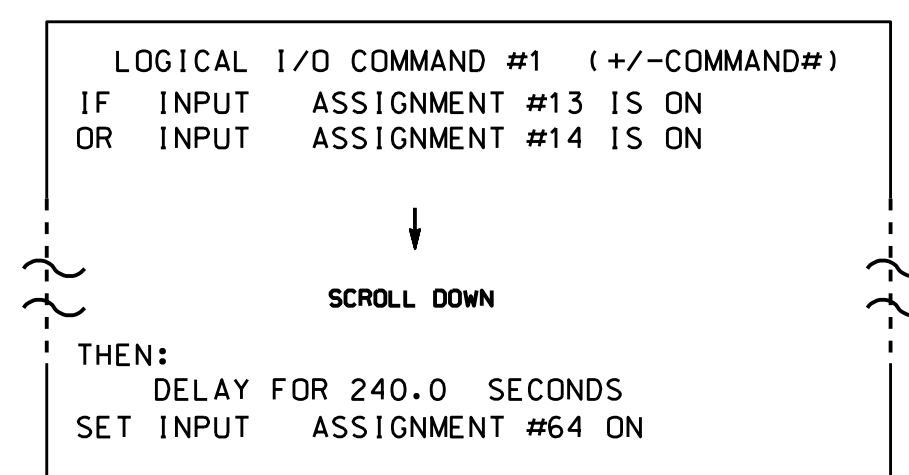
DWELL INT FLASH YELLOW X X

OMIT OVERLAPS:

LOGICAL I/O PROCESSOR PROGRAMMING DETAIL TO FLASH INTERSECTION IF LVOD SYSTEMS FAIL

(program controller as shown below)

- FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE ACT LOGIC COMMAND 1.
- FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).



LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

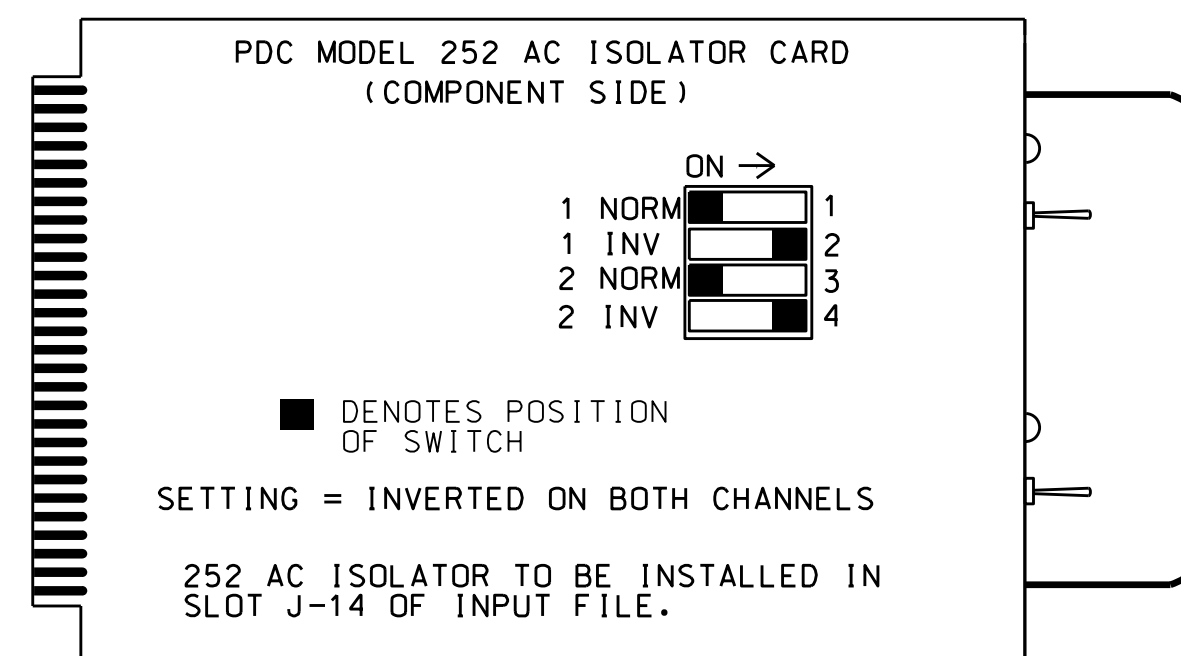
INPUT REFERENCE SCHEDULE

INPUT 13 = Input from LVODS #1
 INPUT 14 = Input from LVODS #2
 INPUT 64 = Preempt 7

INPUTS 13, 14, AND 64 HAVE BEEN REASSIGNED. SEE PROGRAMMING DETAILS ON THIS SHEET.

HOLD PHASE 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.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1191T3
 DESIGNED: January 2018
 SEALED: 2/7/2018
 REVISED: N/A

Electrical Detail - Temporary Design 3 (TMP Phase III)
 Sheet 3 of 5

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared In the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	I-85 Bus. / US 29-70 at SR 1144 (River Road)		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL KEITH M. MIMS ENGINEER
	Division 7 PLAN DATE: February 2018 PREPARED BY: S. Armstrong	Guilford County REVIEWED BY: REVIEWED BY:	

08-FEB-2018 14:32
 C:\MITSAS\15-Signal\work\hgr\cdus\51g_MphArmsr\strong071191_sml.e\c_xxx.dgn
 sarmstrong