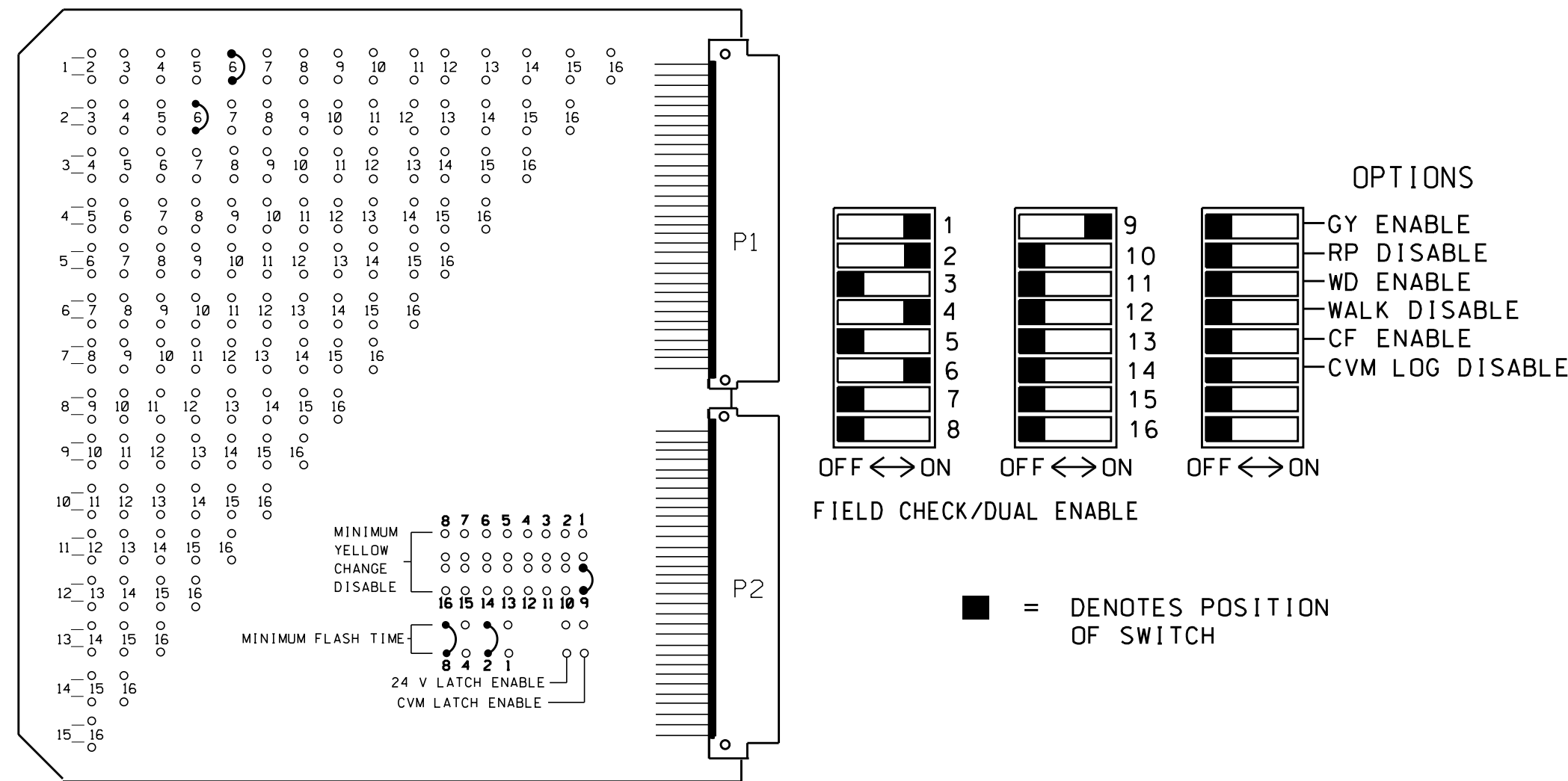


**EDI MODEL MMU-16E
MALFUNCTION MANAGEMENT UNIT
PROGRAMMING DETAIL**

(program card and set switches as shown below)



MMU PROGRAMMING CARD

NOTES

1. TO PREVENT "FLASH-CONFLICT" PROBLEMS, WIRE ALL UNUSED LOAD SWITCHES TO FLASH RED. VERIFY THAT SIGNAL HEADS FLASH IN ACCORDANCE WITH THE SIGNAL PLANS.
2. TO PREVENT RED FAILURES ON UNUSED MONITOR CHANNELS, TIE UNUSED LOAD SWITCH RED OUTPUTS 3,5,7,8,10,11, & 12 TO LOAD SWITCH AC+ BY INSERTING A JUMPER PLUG IN THE UNUSED LOAD SWITCH SOCKET FROM PIN 1 (LS AC+) TO PIN 3 (RED OUT). MAKE SURE ALL FLASH TRANSFER RELAYS ARE IN PLACE.
3. PROGRAM CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
4. SET POWER-UP FLASH TIME TO 10 SECONDS AND IMPLEMENT ON THE MALFUNCTION MANAGEMENT UNIT. SET CONTROLLER POWER-UP FLASH TIME TO 0 SECONDS.
5. ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
6. PROGRAM DETECTORS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO ACCOMPLISH THE DETECTION SCHEMES SHOWN ON THE SIGNAL DESIGN PLANS.
7. PROGRAM DETECTOR CALL DELAY AND EXTENSION TIMING ON THE CONTROLLER, UNLESS OTHERWISE SPECIFIED.
8. SET ALL DETECTOR CARD UNIT CHANNELS TO "PRESENCE" MODE.

SIGNAL HEAD HOOK-UP CHART

PHASE	1	2	3	4	5	6	7	8	2 PED	4 PED	6 PED	8 PED
SIGNAL HEAD NO.	11	21	22	NU	41,42	NU	61,62	NU	NU	9R	NU	NU
RED		2R		4R								
YELLOW		2Y		4Y								
GREEN		2G		4G								
RED ARROW	1R	2R				6R						
YELLOW ARROW	1Y	2Y				6Y						
GREEN ARROW	1G	2G	2G			6G						
										9R		
										9G		

NU = NOT USED

DETECTOR RACK SET-UP DETAIL

INSERT DETECTOR CARDS IN RACK ACCORDING TO THE DETAIL SHOWN BELOW. PARTICULAR DETECTOR CHANNELS WILL CALL PHASES INDICATED.

BIU	CH1 L3 NOT USED	CH1 L1 ∅ 1	S L O T	CH1 L5 ∅ 6	S L O T	S L O T	S L O T	S L O T	S L O T	S L O T
	CH2 L4 ∅ 4	CH2 L2 ∅ 2		CH2 L6 NOT USED						

WIRE LOOPS TO TERMINALS ON LOOP PANEL AS SHOWN IN THE CHART BELOW

LOOP NO.	LOOP PANEL TERMINALS
1A	L1A,L1B
2A, 2B	L2A,L2B
-	L3A,L3B
4A	L4A,L4B
6A, 6B	L5A,L5B
-	L6A,L6B
-	L7A,L7B
-	L8A,L8B
-	L9A,L9B
-	L10A,L10B
-	L11A,L11B
-	L12A,L12B
-	L13A,L13B
-	L14A,L14B
-	L15A,L15B
-	L16A,L16B

NOTE
BE SURE TO PROGRAM DETECTOR TYPES AND TIMERS (EXTEND AND DELAY) AS SHOWN ON THE SIGNAL PLANS.

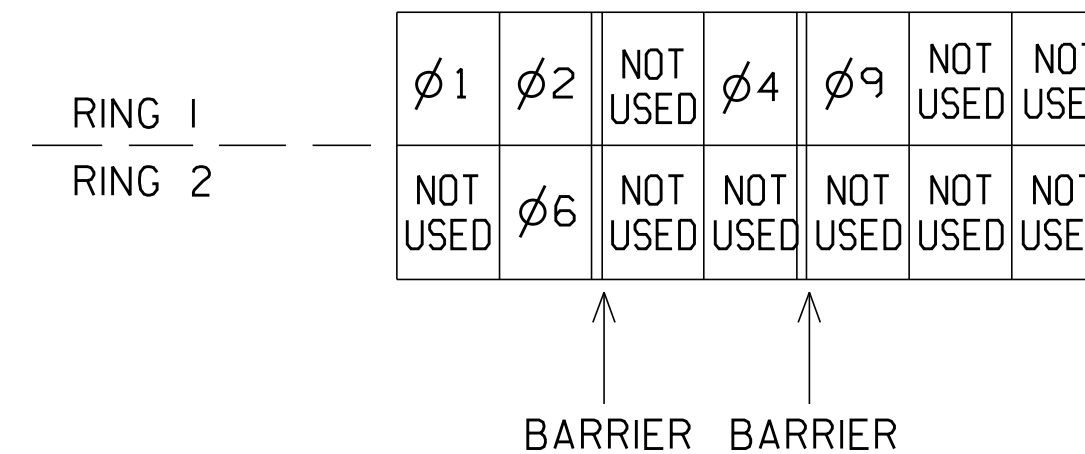
PROGRAM CONTROLLER DETECTORS ACCORDING TO THE SCHEDULE SHOWN IN THE CHART BELOW

CONTROLLER DETECTOR NO.	FUNCTION	TIMING	
		FEATURE	TIME (SEC)
1	∅ 1	DELAY	3
2	∅ 2	-	-
3	-	-	-
4	∅ 4	-	-
5	∅ 6	-	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-

ECONOLITE ASC/2-2100 SPECIAL PHASE SEQUENCE PROGRAMMING

(program controller as shown below)

RING CONFIGURATION DETAIL



LOAD SWITCH ASSIGNMENT DETAIL

(program controller according to schedule in chart below)

LOAD SWITCH NUMBER	FUNCTION
1	
2	∅2
3	
4	∅4
5	
6	∅6
7	
8	
9	9PED
10	
11	
12	

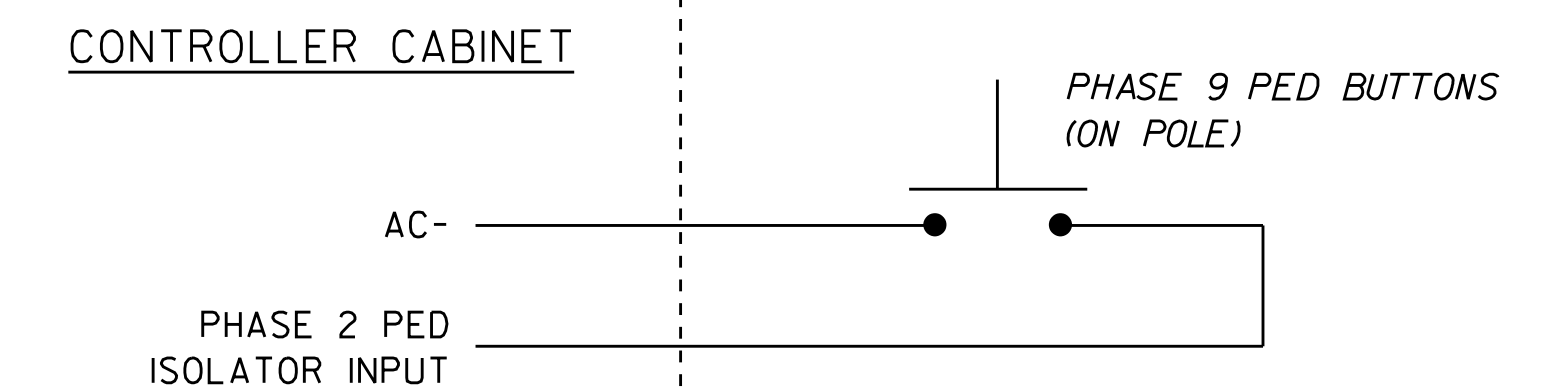
UNUSED LOAD SWITCH CHANNELS SHALL BE DISABLED IN CONTROLLER PROGRAMMING.

EQUIPMENT INFORMATION

CONTROLLER.....ECONOLITE ASC/2S-2100
 CABINETECONOLITE TS-2
 CABINET MOUNT.....BASE
 LOADBAY POSITIONS.....12
 LOAD SWITCHES USED.....2,4,6,9
 PHASES USED.....2,4,6,2PED
 OLA.....NOT USED
 OLB.....NOT USED
 OLC.....NOT USED
 OLD.....NOT USED

PEDESTRIAN PUSH-BUTTON WIRING DETAIL

(wire push-buttons as shown below)



COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 02-0893 T1
 DESIGNED: JUNE 2014
 SEALED: 9/2/2014
 REVISED: N/A

TEMPORARY DESIGN 1 - TMP PHASE 1

ELECTRICAL AND PROGRAMMING DETAILS FOR: 	FARMVILLE BOULEVARD AT SR 1703 (14TH STREET)		SEAL
	DIVISION 2 PLAN DATE: JUNE 2014 PREPARED BY: SP PENNINGTON	PITT COUNTY REVIEWED BY: SL PHILLIPS REVIEWED BY:	
REVISIONS:			INIT. DATE SIGNATURE DATE SIG. INVENTORY NO. 02-0893T1

PLANS PREPARED IN THE OFFICE OF:
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