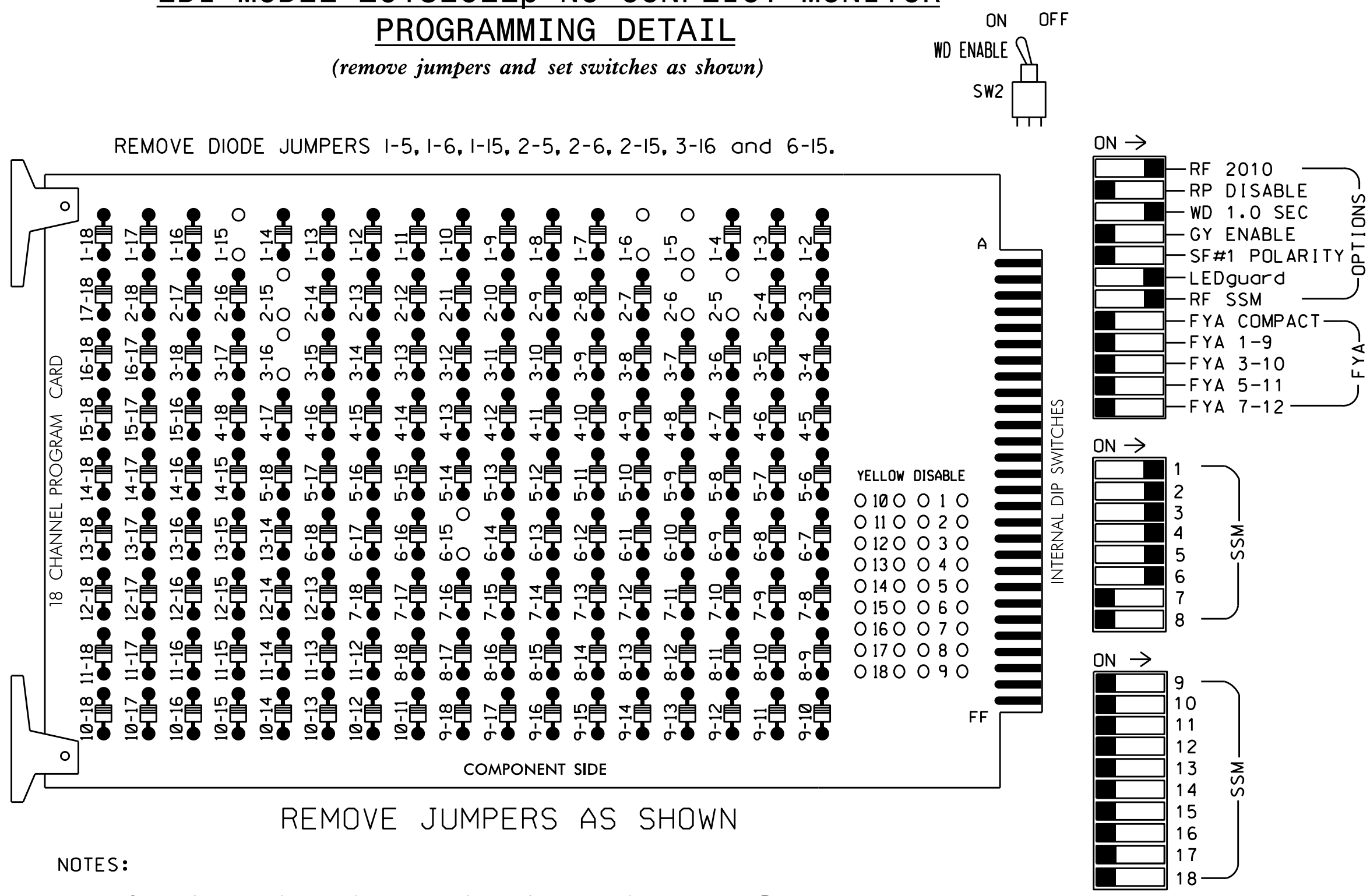


EDI MODEL 2018EClip-NC CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network in cabinet.

■ = DENOTES POSITION OF SWITCH

NOTES

1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
2. Enable Simultaneous Gap-Out for all phases.
3. Program phases 2 and 6 for volume density operation.
4. Program controller to start up in phase 2 Green and 6 Walk.
5. The cabinet and controller are part of the Fayetteville Signal System.

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16
PHASE	1	2	2	3	4	4	5	6	6	7	8	8
SIGNAL HEAD NO.	11,12	21,22	NU	22	31	32	41,42	43,44	NU	51,52	61,62	P61, P62
RED		128		116	116		101			134		
YELLOW		129		117	117		102			135		
GREEN		130		118	118		103			136		
RED ARROW	125						101			131		
YELLOW ARROW	126			117			102			132		
GREEN ARROW	127			118	118		103			133		
Hand icon										119		110
Walking person icon										121		112

NU = Not Used

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,S9,S12
 PHASES USED.....1,2,3,4,5,6,3 PED,6 PED
 OVERLAPS.....NONE

INPUT FILE POSITION LAYOUT

(front view)

FILE U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅2/SYS	∅3/SYS	∅ S	∅ 3	∅ 3	∅4/SYS	∅ 4	∅ 4	∅ S	∅ S	∅ S	∅6 PED	FS
L	1A	2A/S2A	3A/S3A	∅ S	3E	3C	4A/S4A	4C	4E	∅ S	∅ S	∅ S	DC ISOLATOR	DC ISOLATOR
U	∅ 1	∅2/SYS	∅3/SYS	∅ S	∅ 3	∅ 3	∅4/SYS	∅ 4	∅ 4	∅ S	∅ S	∅ S	∅3 PED	ST
L	1B	2B/S2B	3B/S3B	∅ S	3F	3D	4B/S4B	4D	4F	∅ S	∅ S	∅ S	DC ISOLATOR	DC ISOLATOR
U	∅ 5	∅6/SYS	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S
L	5A	6A/S6A	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S
U	∅ 5	∅6/SYS	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S
L	5B	6B/S6B	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S

EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1	1	YES			S
1B	TB2-3,4	I1L	56	1	1	YES			S
2A/S2A	TB2-5,6	I2U	39	2	2/SYS	YES			N
2B/S2B	TB2-7,8	I2L	43	12	2/SYS	YES			N
3A/S3A	TB2-9,10	I3U	63	32	3/SYS	NO	2,4		N
3B/S3B	TB2-11,12	I3L	76	42	3/SYS	NO	2,4		N
3E	TB4-5,6	I5U	58	3	3	YES		10	S
3F	TB4-7,8	I5L	58	3	3	YES		10	S
3C	TB4-9,10	I6U	41	4	3	YES		3	S
3D	TB4-11,12	I6L	45	14	3	YES			S
4A/S4A	TB6-1,2	I7U	65	34	4/SYS	NO	2,4		N
4B/S4B	TB6-3,4	I7L	78	44	4/SYS	NO	2,4		N
4C	TB6-5,6	I8U	49	24	4	YES			S
4D	TB6-7,8	I8L	49	24	4	YES			S
4E	TB6-9,10	I9U	60	11	4	YES			S
4F	TB6-11,12	I9L	62	13	4	YES			S
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-3,4	J1L	55	5	5	YES			S
6A/S6A	TB3-5,6	J2U	40	6	6/SYS	YES			N
6B/S6B	TB3-7,8	J2L	44	16	6/SYS	YES			N
PED PUSH BUTTONS									
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED				
P31,P32	TB8-8,9	I13L	70	PED 8	3 PED				

NOTE:
 INSTALL DC ISOLATOR IN INPUT FILE SLOT I13.

INPUT FILE POSITION LEGEND: J2L
 FILE J
 SLOT 2
 LOWER

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: 06-0051
 DESIGNED: June 2016
 SEALED: 9-13-16
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:

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Division 6 Cumberland County Fayetteville

PLAN DATE: September 2016 REVIEWED BY: BAS

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS INIT. DATE

Seal of Keith M. Mims, Professional Engineer, No. 036880

DocuSigned by: Keith M. Mims 10/4/2016

SIG. INVENTORY NO. 06-0051

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 J. Peterson