

**NOTES**

1. TO PREVENT "FLASH-CONFLICT" PROBLEMS, ALL UNUSED PHASES AND OVERLAPS SHALL BE WIRED TO FLASH RED. THE INSTALLER SHALL VERIFY THAT SIGNAL HEADS FLASH IN ACCORDANCE WITH THE SIGNAL PLANS.
2. TO PREVENT RED FAILURES ON UNUSED MONITOR CHANNELS, TIE UNUSED VEHICLE LOAD SWITCH RED OUTPUTS 7,8,9,10,11 AND 12 TO LOAD SWITCH AC+ BY INSERTING A JUMPER PLUG IN THE UNUSED VEHICLE LOAD SWITCH SOCKET FROM PIN 1 (LS AC+) TO PIN 3 (RED OUT). MAKE SURE ALL FLASH TRANSFER RELAYS ARE IN PLACE.
3. THE CONTROLLER SHALL BE PROGRAMMED TO START UP IN PHASES 2 AND 6 GREEN.
4. POWER-UP FLASH TIME SHOULD BE SET TO 10 SECONDS AND IMPLEMENTED ON THE CONFLICT MONITOR. CONTROLLER POWER-UP FLASH TIME SHOULD BE SET TO 0 SECONDS.
5. ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
6. DETECTORS SHALL BE WIRED IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS TO ACCOMPLISH THE DETECTION SCHEMES SHOWN ON THE SIGNAL DESIGN PLANS.

**FIELD CONNECTION HOOK-UP CHART**

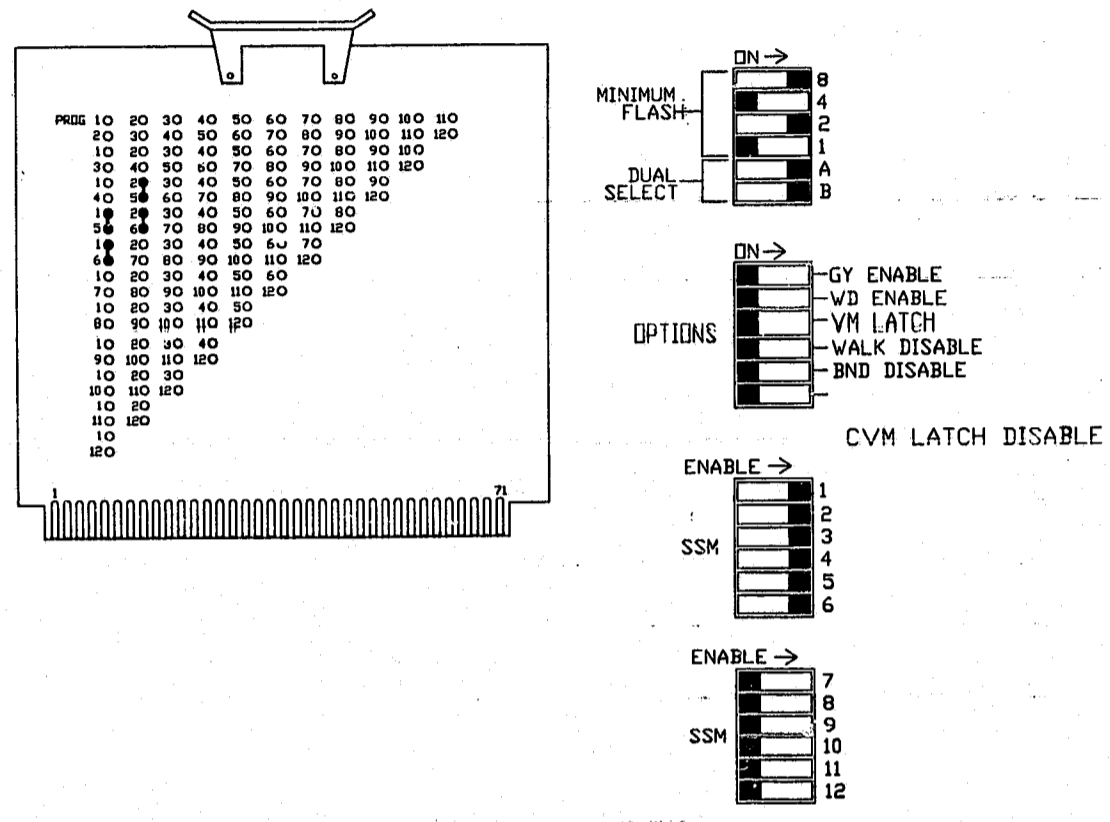
PHASE	1	2	3	4	5	6	7	8	DLA	DLB	DLC	OLD	2 PED	4 PED	6 PED	8 PED
SIGNAL HEAD NO.	11	21,22	31,32	33	34	41	42	34	51,52	61,62	NU	NU	NU	NU	NU	NU
GREEN		2G	3G	3G	4G	4G			6G							
YELLOW		2Y	3Y	3Y	4Y	4Y			6Y							
RED		2R	3R	3R	4R	4R			6R							
RED ARROW	1R		3R						5R							
YELLOW ARROW	1Y		3Y						5Y	5Y						
GREEN ARROW	1G		3G	3G	4G	5G	5G									

NU = NOT USED

**EDI MODEL SSM-12E CONFLICT - VOLTAGE MONITOR**

**PROGRAMMING DETAIL**

(Install jumpers and set switches as shown below)



**EQUIPMENT INFORMATION**

CONTROLLER.....ECONOLITE ASC/2-2100  
 CABINET .....ECONOLITE 5300-844BR  
 CABINET MOUNT.....BASE  
 LOADBAY POSITIONS.....16  
 LOAD SWITCHES USED.....1,2,3,4,5,6  
 PHASES USED.....1,2,3,4,5,6  
 DL/A.....NOT USED  
 DL/B.....NOT USED  
 DL/C.....NOT USED  
 DL/D.....NOT USED

THIS ELECTRICAL DETAIL IS FOR  
 THE SIGNAL DESIGN: 05-1460  
 DESIGNED: 7-12-99  
 SEALED: 7-12-99  
 REVISED: NA

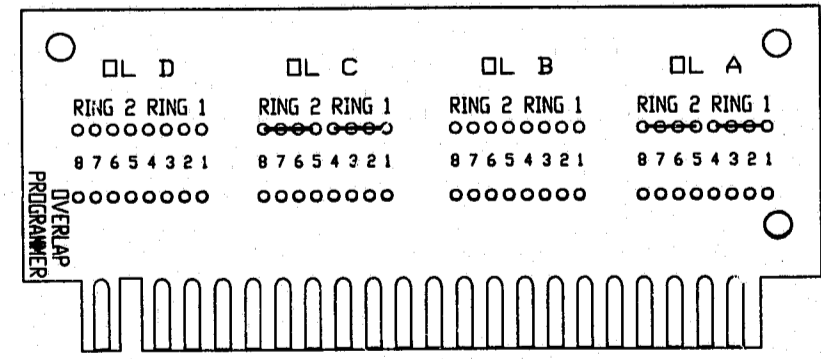
**TYPICAL CONNECTION CHART FOR DETECTORS**

PIN FUNCTION	LOOP PANEL TERMINATION
AC+	AC+
AC-	AC-
CHASSIS GROUND	CHASSIS GROUND
LOOP INPUT	LOOP
LOOP INPUT	LOOP
RELAY NORMALLY OPEN	VEHICLE CALL INPUT
RELAY COMMON	LOGIC GROUND
TIMER INHIBIT	ASSOCIATED PHASE GREEN

**NOTES:**

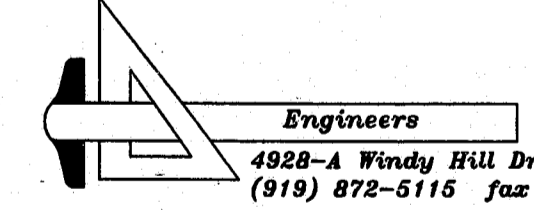
1. THE TIMER INHIBIT WIRE SHALL BE CONNECTED TO THE ASSOCIATED PHASE GREEN LOAD SWITCH OUTPUT WHEN ONLY DELAY OPERATION IS REQUIRED, UNLESS OTHERWISE SPECIFIED.
2. IF EXTEND OPERATION IS REQUIRED, THE TIMER INHIBIT WIRE SHALL NOT BE CONNECTED.

**NEMA OVERLAP CARD**



OVERLAP CARD SHALL BE COMPLETELY BLANK (NO JUMPERS)

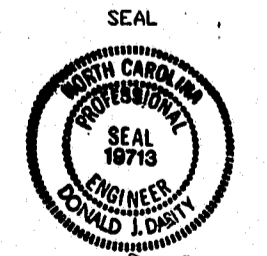
**Ramey Kemp & Associates**



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SR 1652 (N. HARRISON AVE)  
 AT  
 SR 3005 (RICHARD DR)/WESTON PKWY  
 DIVISION 5 WAKE COUNTY CARY

REVISIONS	INIT.	DATE



Signature: *Donald J. Dainton* 7/12/99  
 DATE

N.C. DEPARTMENT of TRANSPORTATION  
 DIVISION of HIGHWAYS  
 TRAFFIC ENGINEERING BRANCH

SCALE: 1" = 48"  
 DATE: 7/12/99  
 PREPARED BY: CDT/DJD  
 REVIEWED BY: RFK  
 RKA PROJ NO: 980340  
 S/G INV. NO. 05-1460

98-SP-183  
**APPROVED**  
 5/31/99  
 JPP 9/2/99