

**RAILROAD PREEMPTION PROGRAMMING DETAIL**

(program controller as shown below)

FROM MAIN MENU PRESS 'A' (PREEMPTION), THEN '1' (STANDARD PREEMPTIONS).

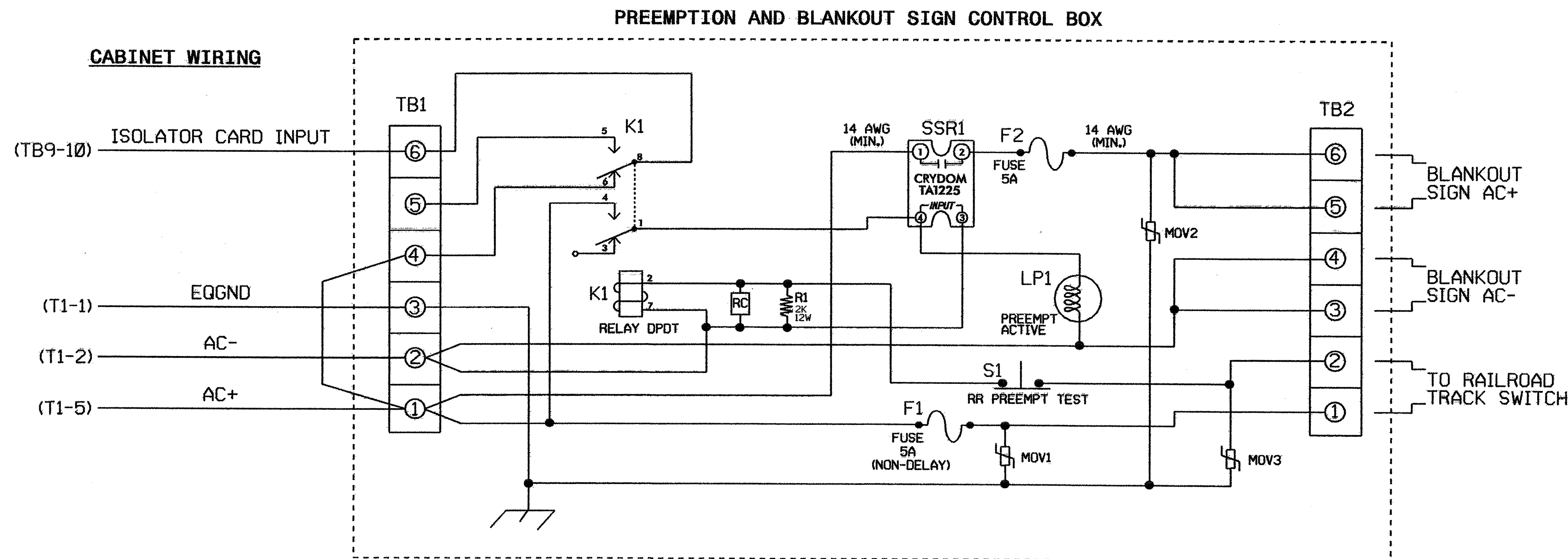
PREEMPTION #1	INTERVAL/TIMING	GRN	YEL	RED	SETTINGS (NEXT:1-10)	CLEAR/DWELL PHASES
					12345678910	111213141516
1	18 4.0 1.5				X	X
2	255 0.0 0.0				X	X
3	0 0.0 0.0					
4	0 0.0 0.0					
5	0 0.0 0.0					

EXIT CALLS	OPTIONS
PRIORITY (Y/N TO SELECT) .....	HIGH
DELAY TIMER (0-255 SEC) .....	0
MIN GREEN BEFORE PRE (0= DEFAULT).....	1
PED CLEAR BEFORE PRE (0= DEFAULT).....	0
YELLOW CLEAR BEFORE PRE (0= DEFAULT).....	4.7
RED CLEAR BEFORE PRE (0= DEFAULT).....	3.0
DWELL MIN TIMER (0-255 SEC) .....	10
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? .....	N
ALLOW PEDS IN DWELL INTERVAL? .....	N
RE-TIME DWELL INTERVAL? .....	N
OVERLAPS:	ABCDEFGHIJKLMNPO
DWELL INT FLASH YELLOW	
OMIT OVERLAPS:	

**RAILROAD PREEMPTION WIRING DETAIL**

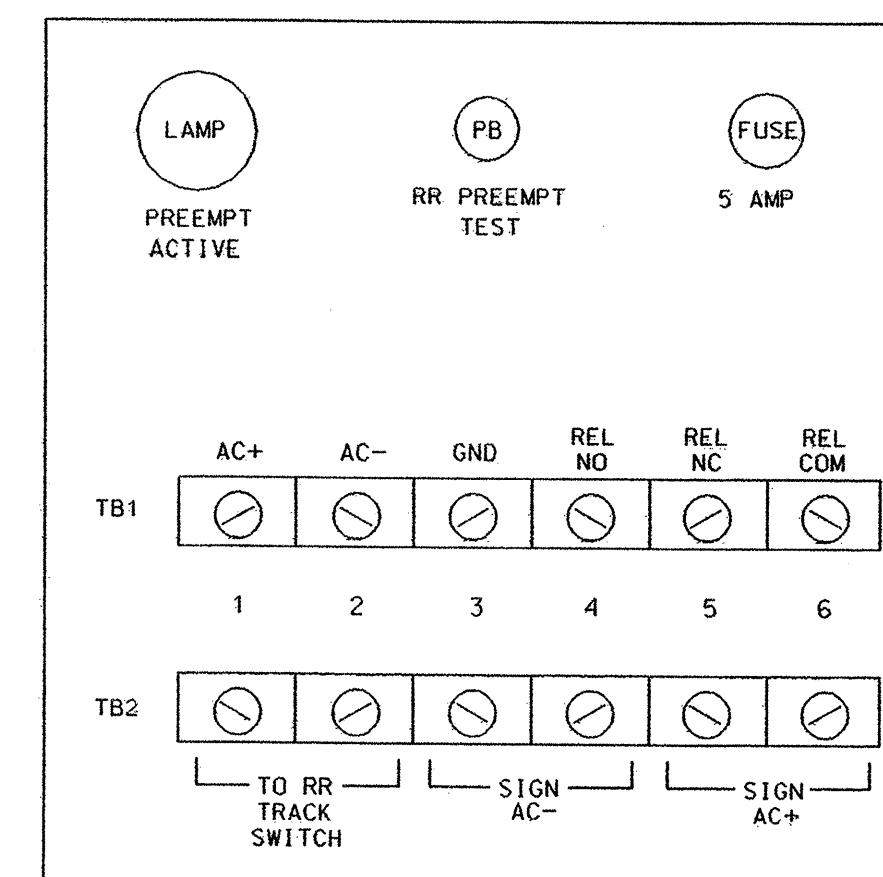
(wire as shown below)



**NOTES**

- RELAY K1 IS SHOWN IN THE ENERGIZED (PREEMPT NOT ACTIVE) NORMAL OPERATION STATE.
- RELAY K1 IS A DPDT WITH 120VAC COIL. POTTER & BRUMFIELD KRP11AG WITH OCTAL BASE OR APPROVED EQUIVALENT.
- RELAY SSR1 IS A SPST (NORMALLY OPEN) SOLID STATE RELAY WITH AC INPUT AND AC (25 AMP) OUTPUT. CRYDOM TA1225 OR APPROVED EQUIVALENT.
- AC ISOLATOR CARD SHALL ACTIVATE PREEMPTION UPON REMOVAL OF AC+ FROM THE INPUT (AS SHOWN ABOVE).
- RESISTOR IS VALUED AT 2K OHM, 12 WATT. CLAROSTAT PART NO. VPR10F-2K OR APPROVED EQUIVALENT.
- RC NETWORK IS VALUED AT .1 MICROFARAD, 100 OHM.
- IF REPLACEMENT MOV'S ARE NEEDED, GE PART NO. V150LA20A MAY BE USED.
- PREEMPTION AND BLANKOUT SIGN CONTROL BOX IS A CONTROL TECHNOLOGIES PART NO. 2299-101 OR APPROVED EQUIVALENT.
- IMPORTANT!! A JUMPER MUST BE ADDED BETWEEN INPUT FILE TERMINALS J14-E AND J14-K IF NOT ALREADY PRESENT. ALSO, TERMINAL TB9-12 (ON INPUT PANEL) SHALL BE CONNECTED TO AC NEUTRAL (JUMPER MAY HAVE TO BE ADDED).

**FRONT VIEW**



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0012T1,T2  
 DESIGNED: 10/30/03  
 SEALED: 08/09/04  
 REVISED:

**SIGNAL UPGRADE - TEMPORARY DESIGN 1,2 - SHEET 2 OF 2**

	<p>NC 274 (BESSEMER CITY ROAD)                  AT                  NC 275 (DALLAS-BESSEMER CITY ROAD)                  AND SR 1312 (OATES ROAD)</p>		<p>SEAL                  NORTH CAROLINA                  PROFESSIONAL ENGINEER                  SEAL 022013                  GEORGE C. BROWN</p>					
	<p>DIVISION 12 GASTON COUNTY GASTON, NC</p> <p>PLAN DATE: JULY 2004</p> <p>PREPARED BY: WILLIAM HAIRSTON</p>	<p>REVIEWED BY: T.J.M.</p> <p>REVIEWED BY:</p>		<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	INIT.	DATE	
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11-AUG-2004 07:47  
 94mm x 103mm x 208mm x 20012-2004xxxx.dgn  
 11/03/04