

RAILROAD PREEMPTION PROGRAMMING DETAIL
(program controller as shown below)

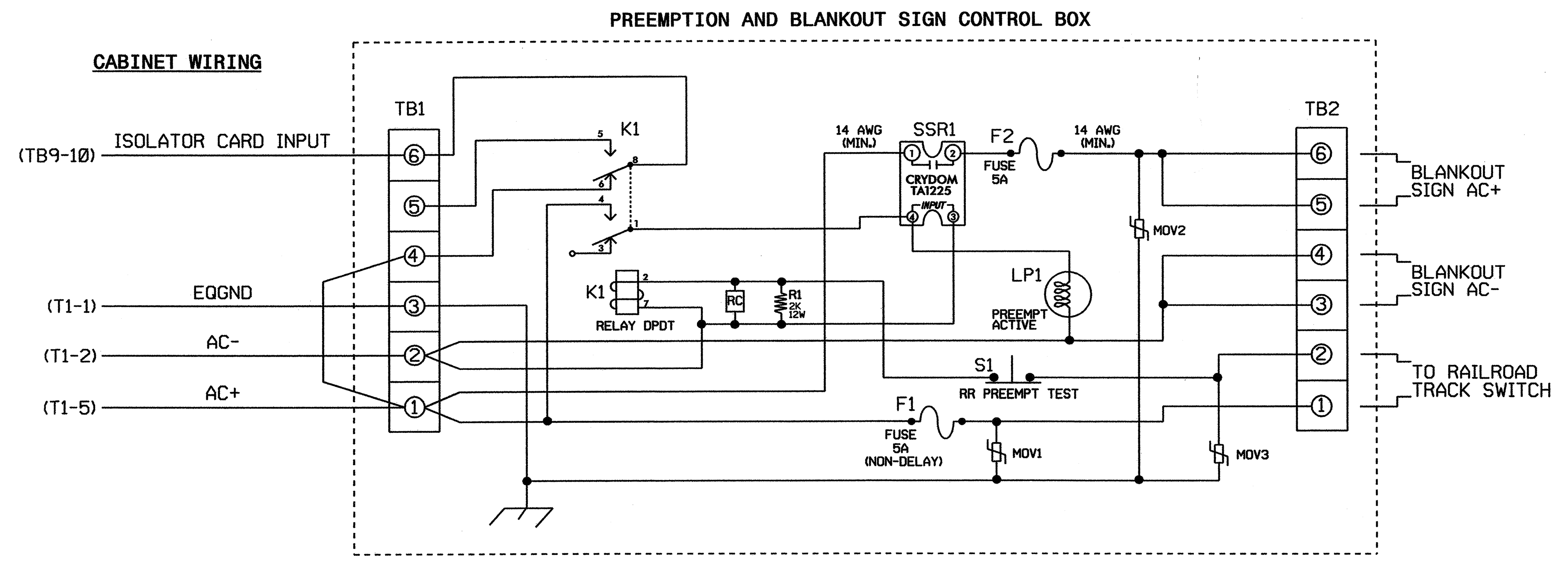
FROM MAIN MENU PRESS 'A' (PREEMPTION), THEN '1' (STANDARD PREEMPTIONS).

PREEMPTION #1	SETTINGS (NEXT:1-10)
INTERVAL/TIMING	CLEAR/DWELL PHASES
GRN YEL RED	12345678910111213141516
1 0 0.0 0.0	X
2 255 0.0 0.0	
3 0 0.0 0.0	
4 0 0.0 0.0	
5 1 0.0 0.0	X X

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)...	0.0
RED CLEAR BEFORE PRE (0= DEFAULT)...	0.0
DWELL MIN TIMER (0-255 SEC)	7
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

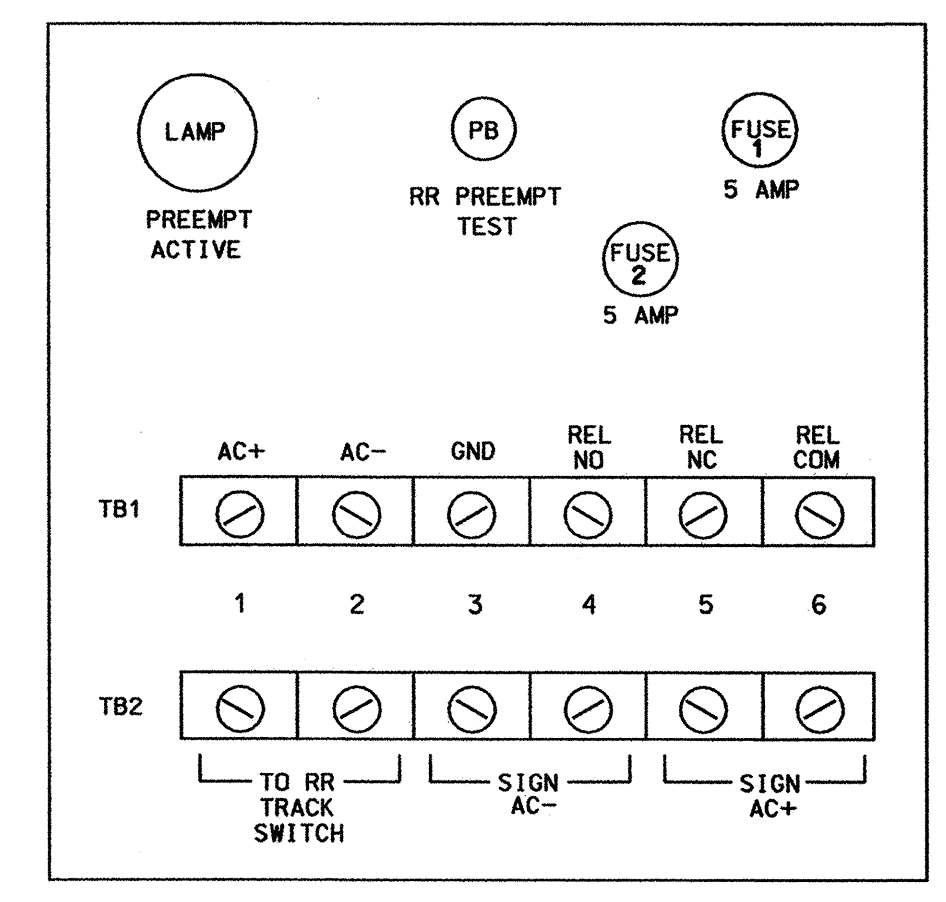
(wire as shown below)



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). To accomplish this, set invert dip switch on AC Isolator Card.
 - Resistor R1 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.
9. 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: 12-0043
DESIGNED: OCTOBER 2005
SEALED: 10/28/05
REVISED:

THIS DETAIL SUPERSEDES THE DETAIL SIGNED AND SEALED 3/15/05

SIGNAL UPGRADE - SHEET 2 OF 2

	US 29-74/NC 274 (E. FRANKLIN BOULEVARD) AT NC 274 (BROAD STREET)		
	DIVISION 12 GASTON COUNTY GASTONIA		
	PLAN DATE: OCTOBER 2005 REVIEWED BY: TODD JOYCE <i>dtj</i>		
	PREPARED BY: JAMES M. PESZKO REVIEWED BY:		
REVISIONS		INIT. DATE	SIGNATURE DATE
122 N. McDowell St., Raleigh, NC 27603		SIG. INVENTORY NO. 12-0043	

01-NOV-2005 10:35
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JPESZKO