

ECONOLITE ASC/3-2070 RAILROAD PREEMPT PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select 4. PREEMPTOR/TSP
2. From PREEMPTOR/TSP/SCP Submenu select 1. PREEMPT PLAN 1-10

Place cursor in [] next to Preempt Plan and press 1. Then press the right cursor arrow and toggle the controller to YES. Next cursor down. This will select Railroad Preempt #1.

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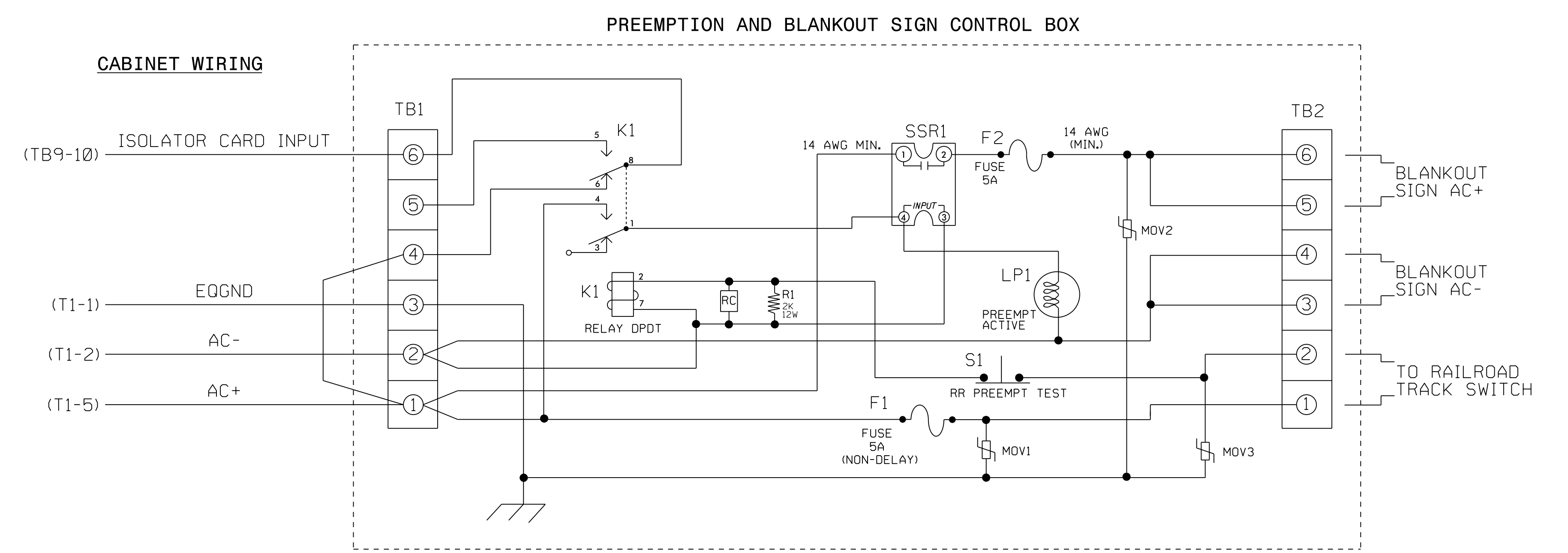
PREEMPT PLAN [ 1 ]  ENABLE....YES
VEH/PED 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
OVERLAP A B C D E F G H I J K L M N O P
TRKCLR V . . . X . . . . .
TRKCLR 0 . . . . .
ENA TRL . . . . .
DWEL VEH . . . . .
DWEL PED . . . . .
DWEL OLP . . . . .
CYC VEH . . . . X . . . . .
CYC PED . . . . .
CYC OLP . . . . .
EXIT PH . . . . .
EXIT CAL . . . . .
SP FUNC . . . . .
    
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ENABLE... YES IPMT OVRIDE.XIINTERLOCK. NO
DET LOCK... XIDELAY.. 0IINHIBIT... 0
OVERIDE FL.. IDURATION 0ICLR-GRN... NO
TERM OLP. NOIPC>YEL YESITERM PH NO
PED DARK.. NOITC RESRV YESIDWELL FL OFF
LINK PMT...0IX FLCOLR REDIEXIT OPT. OFF
X TMG PLN...0IRE-SERV.. 0IFLT TYPE.HARD
FREE DUR PMTIR1 NOIR2 NOIR3 NOIR4 NO
--TIMING----WALKIPED CLIMN GRI YELI RED
ENTRANCE TM. 01 41 1125.5125.5
-----MIN GRIEXT GRIMX GRI YELI RED
TRACK CLEAR 231 01 01 4.11 1.6
-----MIN DLIPMTEXTIMX TMI YELI RED
DWL/CYC-EXIT 101 0.01 0125.5125.5
PMT ACTIVE OUT..ON PMT ACT DWELL...NO
OTHER - PRI PMT.OFF NON-PRI PMT....OFF
INH EXT TIME... 0.0 PED PR RETURN...OFF
PRIORITY RETURN.OFF QUEUE DELAY.... OFF
COND DELAY.....OFF
PHASES 1 2 3 4 5 6 7 8
PR RTN% 0 0 0 0 0 0 0 0
PHASES 9 10 11 12 13 14 15 16
PR RTN% 0 0 0 0 0 0 0 0
    
```

RAILROAD PREEMPTION WIRING DETAIL

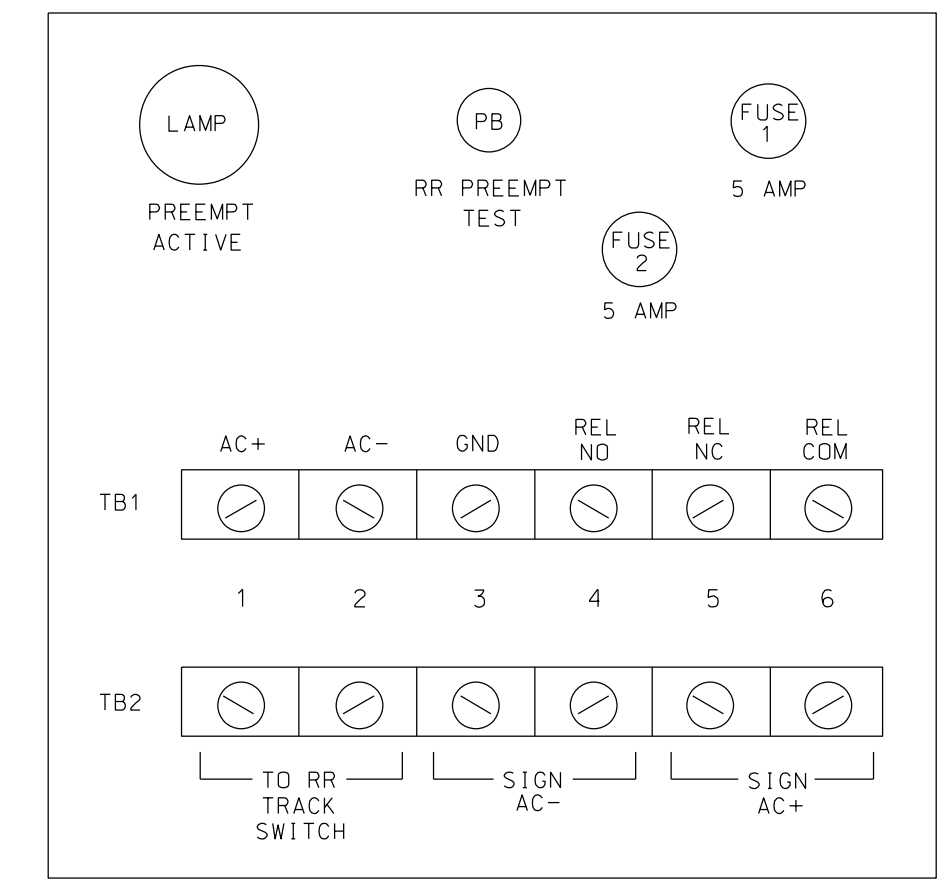
(wire as shown below)



NOTES

1. Relay K1 is shown in the energized (Preempt not active) normal operation state.
2. Relay K1 is a DPDT with 120VAC coil with octal base.
3. Relay SSR1 is a SPST (normally open) Solid State Relay with AC input and AC (25 amp) output.
4. 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.
5. 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: 06-0186T
DESIGNED: AUGUST 2022
SEALED: FEBRUARY 2023
REVISED: N/A

Temporary Design
Electrical Detail - Sheet 3 of 3

<p>Stantec</p> <p>Stantec Consulting Services Inc. 801 Jones Franklin Road-Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672</p>	<p>ELECTRICAL AND PROGRAMMING DETAILS FOR:</p> <p>Prepared for the Offices of:</p> <p>750 N. Greenfield Pkwy, Garner, NC 27529</p>	<p>NC 72/NC 41-72 (W 2nd St) at NC 41/SR 1599 (Martin Luther King Jr. Dr)</p> <p>Division 6 Robeson County Lumberton</p> <p>PLAN DATE: FEBRUARY 2023 REVIEWED BY: R M Muncey</p> <p>PREPARED BY: D. Waller REVIEWED BY:</p>	<p>SEAL</p> <p>NORTH CAROLINA PROFESSIONAL ENGINEER REGINA M. MUNCEY 43239</p> <p>2/2/2023</p> <p>SIGNATURE DATE</p> <p>SIG. INVENTORY NO. 06-0186T</p>						
	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		REVISIONS	INIT.	DATE		
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