

ECONOLITE ASC/3-2070 RAILROAD PREEMPT PROGRAMMING DETAIL

(program controller as shown)

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

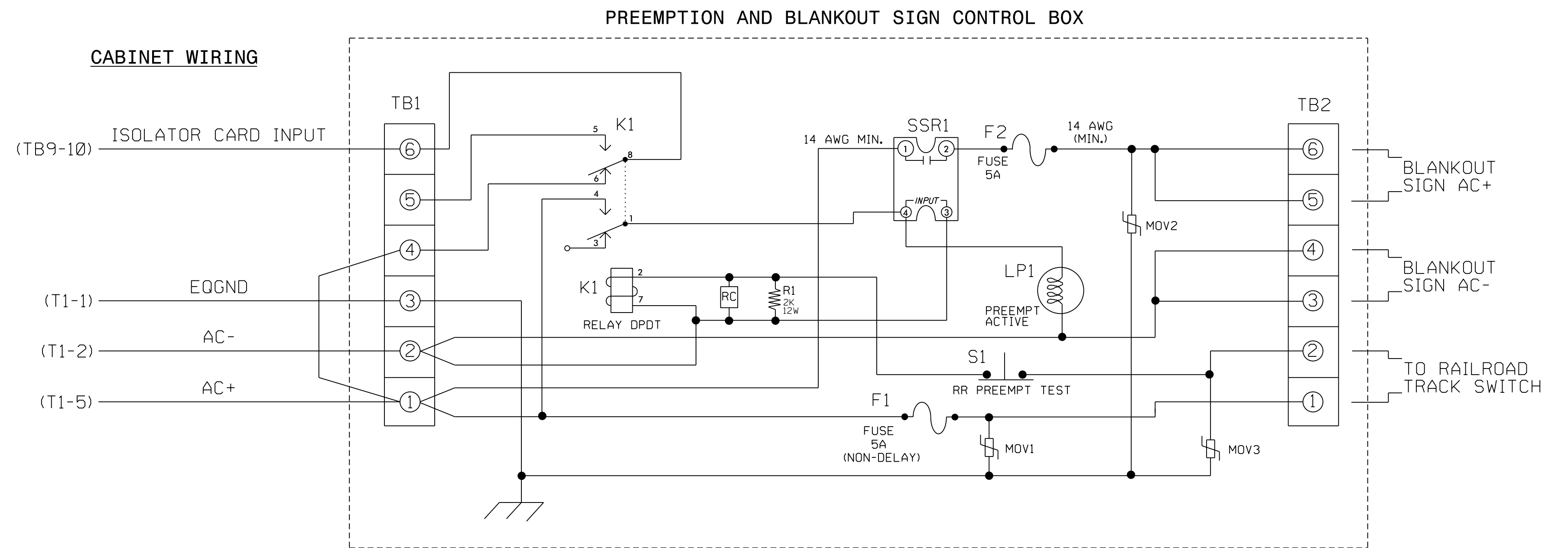
Place cursor in [] next to Preempt Plan and press 1. Then press the right cursor arrow and toggle the controller to YES. Next cursor down. This will select Preempt #1.

| | |
|---|---------------|
| 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 D . . X X | |
| ENA TRL | |
| DWEL VEH X | |
| DWEL PED | |
| DWEL OLP X X | |
| CYC VEH | |
| CYC PED | |
| CYC OLP | |
| EXIT PH . X X | |
| EXIT CAL | |
| SP FUNC | |

| | | | |
|-------------------------------|--------------|--------------------|---------------|
| ENABLE... YES | IPMT | OVRIDE..X | INTERLOCK..NO |
| DET LOCK... X | IDELAY.. | OINHIBIT... 0 | |
| OVERIDE FL. . | IDURATION | OICLR-GRN... NO | |
| TERM OLP. . | NOIPC>YEL | NOITERM PH NO | |
| PED DARK.. | NOITC RESRV | YESIDWELL FL OFF | |
| LINK PMT.... | OIX FLCOLR | REDIEXIT OPT. OFF | |
| X TMG PLN...O | IRE-SERV.. | OIFLT TYPE.HARD | |
| FREE DUR PMT | IR1 NOIR2 | NOIR3 NOIR4 NO | |
| --TIMING---- | WALKIPED | CLIMN GRI YELI RED | |
| ENTRANCE TM. 01 | 01 | 1125.5125.5 | |
| -----MIN | GRIEXT GRIMX | GRI YELI RED | |
| TRACK CLEAR 191 | 01 | 01 4.01 2.0 | |
| -----MIN | DLIPMTEXTIMX | TMI YELI RED | |
| DWL/CYC-EXIT 71 | 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

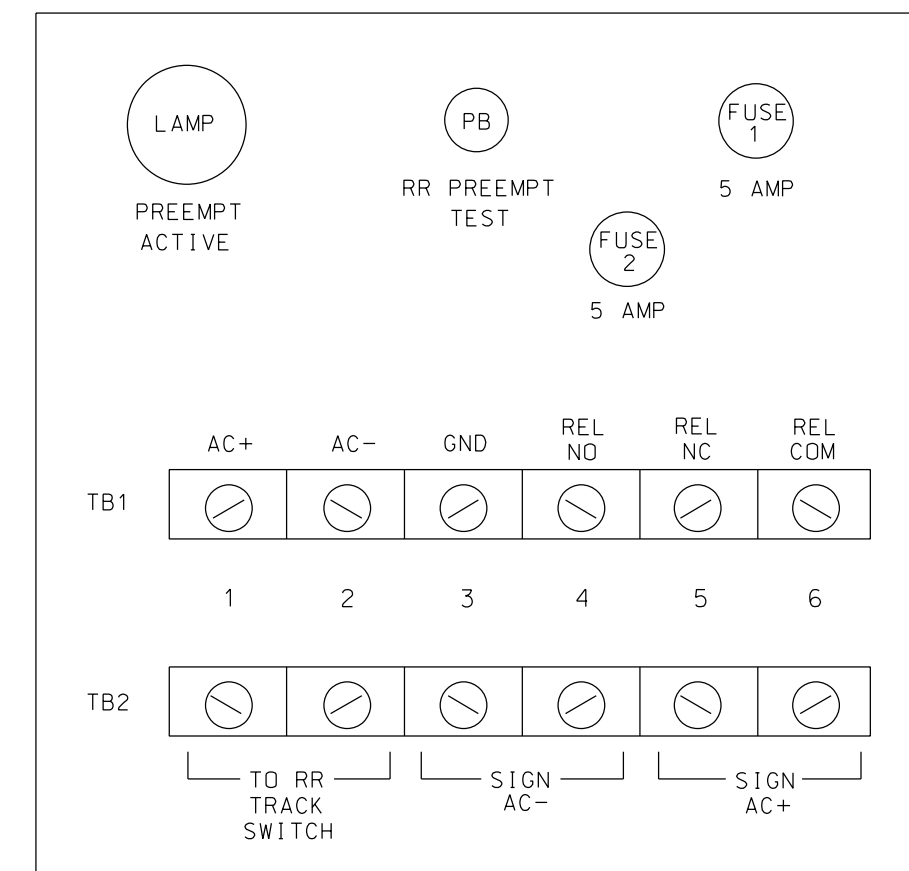
(wire as shown below)



NOTES

- Relay K1 is shown in the energized (Preempt not active) normal operation state.
- Relay K1 is a DPDT with 120VAC coil with octal base.
- Relay SSR1 is a SPST (normally open) Solid State Relay with AC input and AC (25 amp) output.
- 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.
- 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: 06-0111
 DESIGNED: AUGUST 2003
 SEALED: 11/4/03
 1 REVISED: 11/16/04
 2 REVISED: 05/15/20

SEPI Engineering & Construction, Inc.
 1 Glenwood Avenue
 Raleigh, NC 27603
 Tel: 919.789.9977
 Fax: 919.789.9591
 License: C-2197

ELECTRICAL DETAIL - SHEET 3 of 3

US 701 BUSINESS (SOUTH MADISON STREET)
 at
 EAST MAIN STREET and
 WEST MAIN STREET

Division 06 COLUMBUS COUNTY WHITEVILLE

PLAN DATE: APRIL 2020 REVIEWED BY: J. Rowe
 PREPARED BY: M. Copple REVIEWED BY:

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEERS
 Matthew Copple
 License: 22858
 DATE: _____
 SIG. INVENTORY NO. 06-0111