

### 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 Railroad Preempt #1.

```

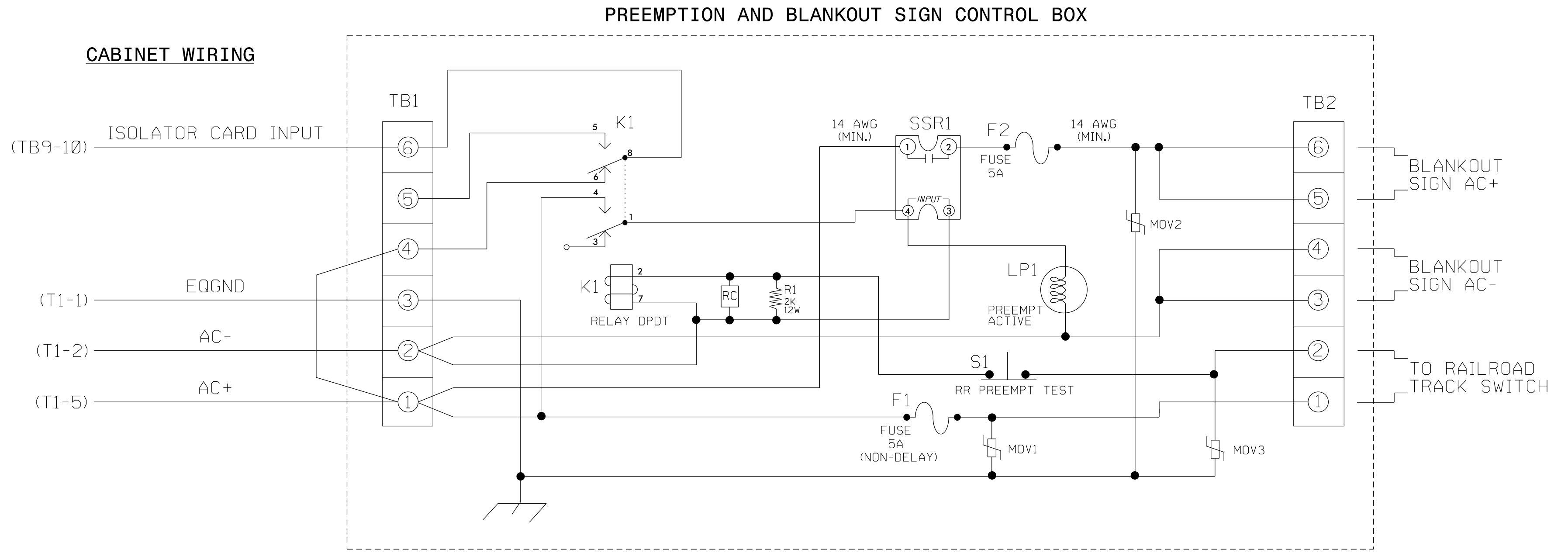
PREEMPT PLAN [ 1 ]  ENABLE....YES
VEH/PED 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
OVERLAP A B C D E F G H I J K L M N O P
TRKCLR V . . . . .
TRKCLR O . . . . .
ENA TRL . . . . .
DWEL VEH . . . X . . . X . . . . .
DWEL PED . . . X . . . X . . . . .
DWEL OLP . . . . .
CYC VEH . X . . . X . . . . .
CYC PED . X . . . X . . . . .
CYC OLP . . . . .
EXIT PH . X . . . X . . . . .
EXIT CAL . . . . .
SP FUNC . . . . .
    
```

```

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 REDIXIT 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. 255I 255I 1125.5125.5
-----MIN GRIEXT GRIMX GRI YELI RED
TRACK CLEAR 10I 0I 0125.5125.5
-----MIN DLIPMTEXTIMX TMI YELI RED
DWL/CYC-EXIT 10I 0.0I 120125.5125.5
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

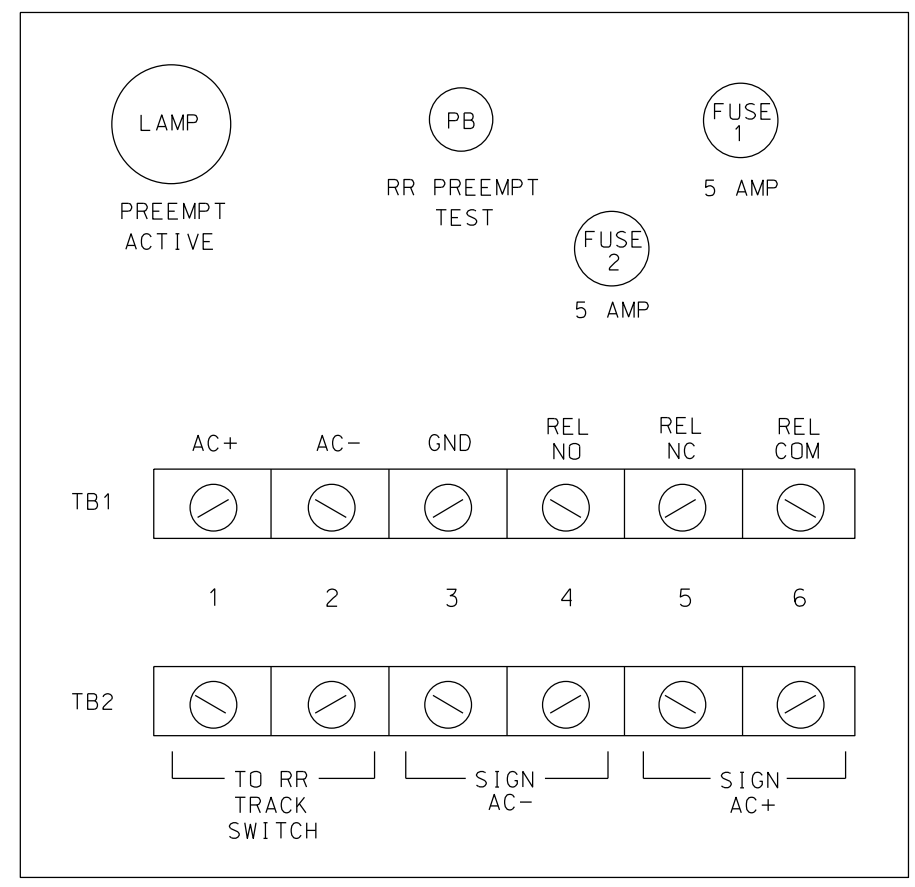
(wire as shown below)



#### 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: C030  
 DESIGNED: NOVEMBER 2016  
 SEALED: 11/18/2016  
 REVISED:

default \\NCF-DATA\Proj\360655\_U-5742\_Faj-Sig\Project\SIGNALS\Design\1007\FINAL SEALED PLANS\Revised 11/22/2016 Winslow & FrankLin.dgn 11/22/2016 9:54:52 AM

Electrical Detail Sheet 2 of 2

Prepared In the Offices of:  
  
 Hatch Mott MacDonald  
 P.O. Box 700  
 Fuquay-Varina, NC 27526  
 www.hatchmott.com  
 HATCH MOTT MACDONALD & E, LLC  
 LICENSE NO. F-4669

**Fayetteville**  
 PROFESSIONAL ENGINEER  
 SEAL 036842  
 RICHARD T. PATE

Winslow Street  
at  
Franklin Street

DIV 06 CUMBERLAND COUNTY FAYETTEVILLE

PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT

PREPARED BY: RTP REVIEWED BY:

| REVISIONS | INIT. | DATE |
|-----------|-------|------|
|           |       |      |

DocuSigned by:  
Richard T Pate 11/22/2016

SIG. INVENTORY NO. C031