

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**

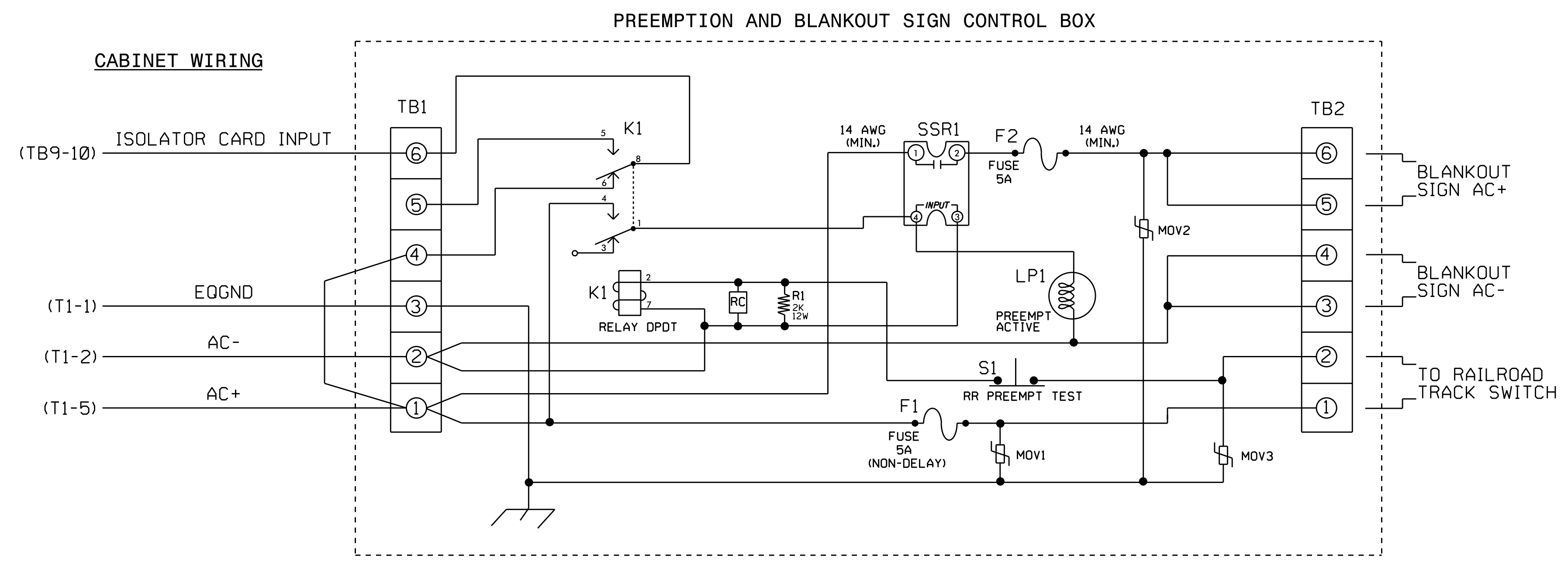
Place cursor in [] next to Preempt Plan and press 1. Then press the right cursor arrow and toggle the controller to YES. Next cursor down. This will select Railroad Preempt #1.

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 . . . X X	
TRKCLR 0	
ENA TRL	
DWEL VEH	
DWEL PED	
DWEL OLP	
CYC VEH . X . . X X	
CYC PED	
CYC OLP . .F1	
EXIT PH . X X	
EXIT CAL	
SP FUNC	

ENABLE... YES	IPMT	OVRIDE..	INTERLOCK.	NO
DET LOCK... X	IDELAY..	O	INHIBIT...	0
OVERIDE FL. .	IDURATION	O	ICLR-GRN...	NO
TERM OLP. NO	IPC>YEL	NO	ITERM PH	NO
PED DARK.. NO	ITC RESRV	YES	IDWELL FL	OFF
LINK PMT...O	IX FLCOLR	RED	EXIT OPT.	OFF
X TMG PLN...O	IRE-SERV..	O	FLT TYPE.HARD	
FREE DUR PMT	IR1 NOIR2	NOIR3	NOIR4	NO
--TIMING----	WALKIPED	CLIMN	GRI YELI	RED
ENTRANCE TM.	255I	255I	1125.5	125.5
-----MIN	GRIEXT	GRIMX	GRI YELI	RED
TRACK CLEAR	27I	0I	0I 4.0I	2.0
-----MIN	DLIPMTEXT	IMX	TMI YELI	RED
DWL/CYC-EXIT	7I	0.0I	0I25.5I	125.5
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

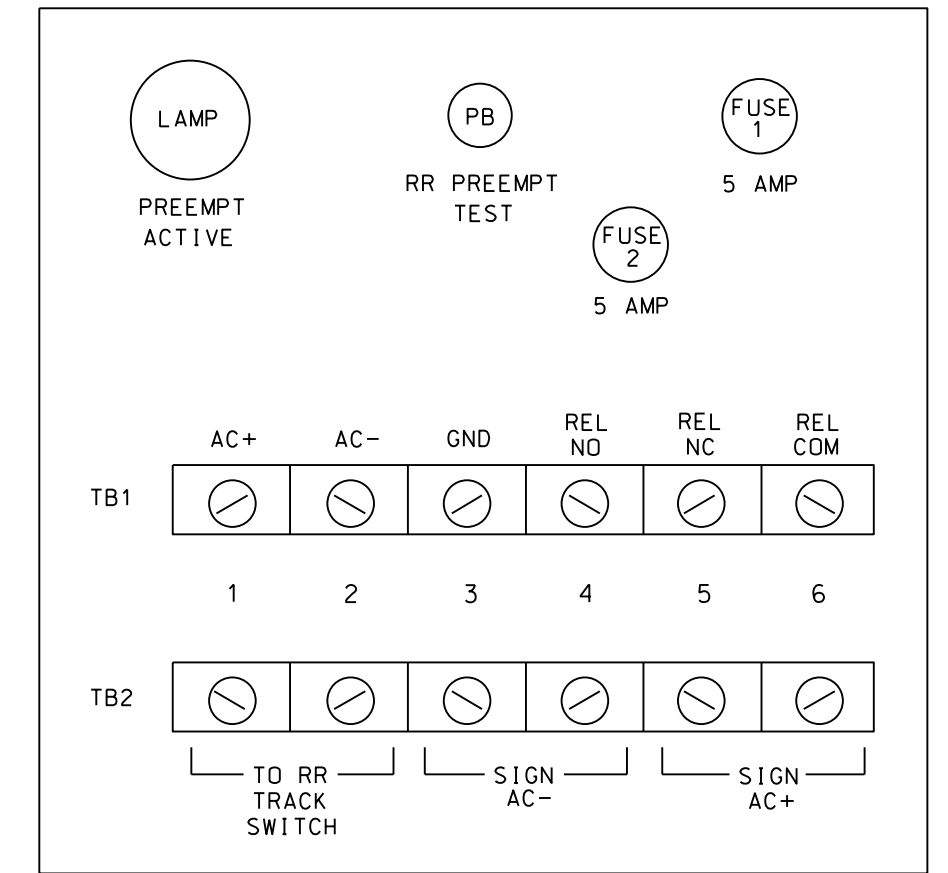
(wire as shown below)



NOTES

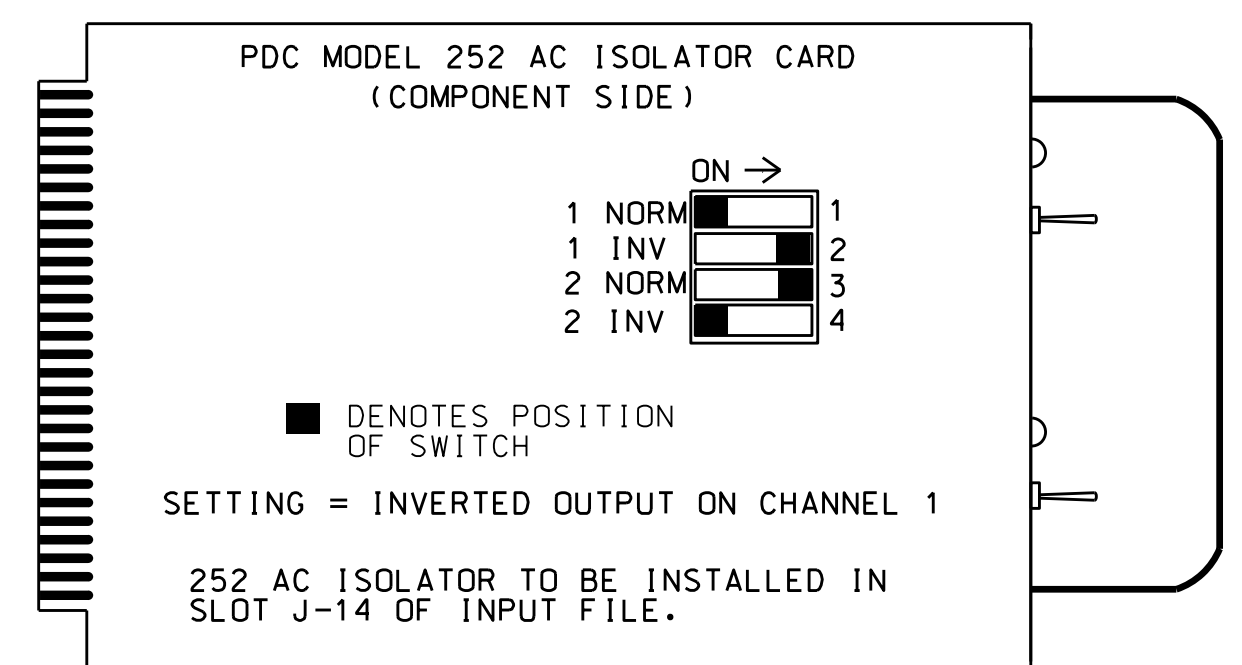
- Relay K1 is shown in the energized (Preempt not active) normal operation state.
- Relay K1 is a DPDT with 120VAC coil with octal base.
- Relay SSR1 is a SPST (normally open) Solid State Relay with AC input and AC (25 amp) output.
- AC Isolator Card shall activate preemption upon removal of AC+ from 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



PREEMPT 1 AC ISOLATOR (MODEL 252) OUTPUT PROGRAMMING DETAIL

(set DIP switches as shown below)



NOTE: IF ANOTHER MANUFACTURER TYPE OF AC ISOLATOR IS USED, OUTPUT PROGRAMMING IS LIKELY NOT TO EQUATE TO THAT SHOWN ABOVE.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0333
DESIGNED: March 2016
SEALED: 8-24-16
REVISED: N/A

Electrical Detail - Sheet 3 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	NC 210 (Murchison Road) at SR 1614 (Shaw Mill Road)/ SR 2734 (Hogan Street)		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER KEITH M. MINS SEAL 036880
	Division 6 Cumberland County Fayetteville	PREPARED BY: James Peterson REVIEWED BY: BAS	
PLAN DATE: July 2016 PREPARED BY: James Peterson	REVIEWED BY: BAS	DATE: 9/22/2016	DATE:

750 N. Greenfield Pkwy, Garner, NC 27529

SIG. INVENTORY NO. 06-0333

21-SEP-2016 14:53
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 J.peterson