

PREEMPTION PROGRAMMING

Front Panel

Main Menu >Controller >Preemption >Preempt Phasing/Preempt Parameters

Web Interface

Home >Controller >Preempt Configuration >Preempts

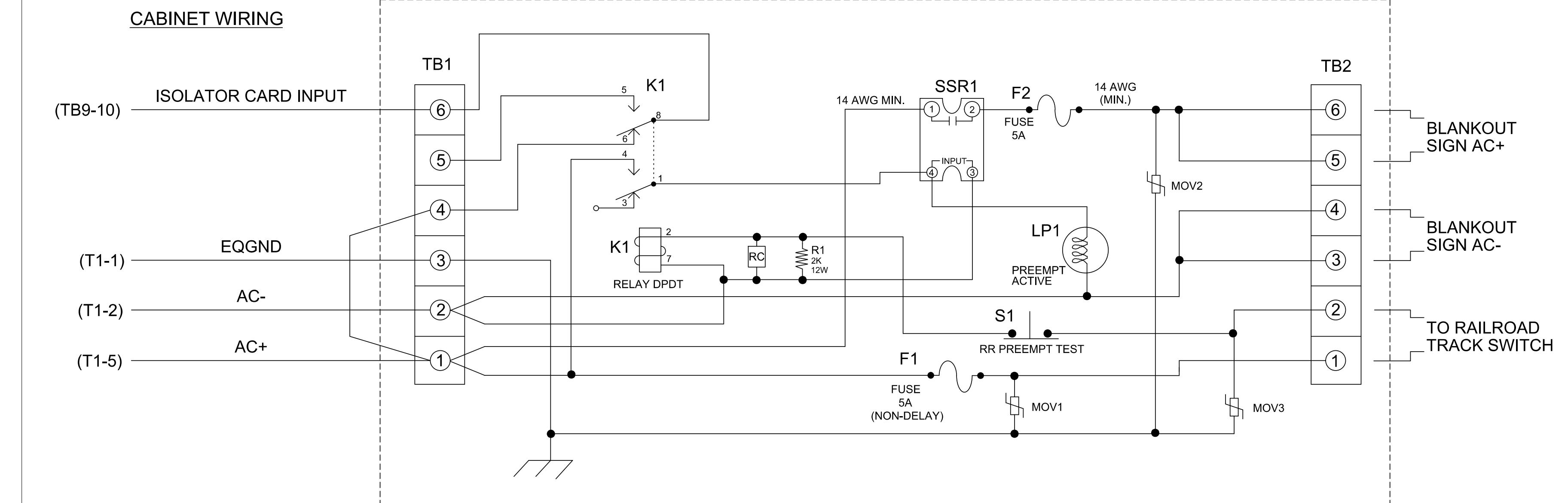
Preempt Configuration

Preempt	1
Enabled	Enabled
Type	Rail Road
Track Phases	1, 6, 39
Track Overlaps	1, 2, 3
Dwell Phases	3
Dwell Overlaps	5
Cycling Phases	3, 5
Cycling Peds	-
Cycling Overlaps	3, 5
Exit Phases	2, 6
Exit Overlaps	1, 2, 3
Delay	0
Call Ext Time	1.0
Max Presence	0
Max Pres Act	Terminate
Enter Min Green	1
Enter Walk	1
Enter Ped Clear	4
Enter Yellow Change	4.6
Enter Red Clear	3.7
Track Green	37
Track Yellow Clr	4.6
Track Red Clear	2.4
Dwell Green	7
Exit Min Green	255
Exit Yellow Change	25.5
Exit Red Clear	25.5
Exit Type	Exit Phases
Non Locking Memory	-
Not Ovrd Flash	X
Not Ovrd Nxt Pre	-
Require All Red Entry	-
Track Clear Ovrd	X
Ped Clear During Yellow	X
Entry Omit OLTG	X
Track Reserve	X

RAILROAD PREEMPTION WIRING DETAIL

(wire as shown below)

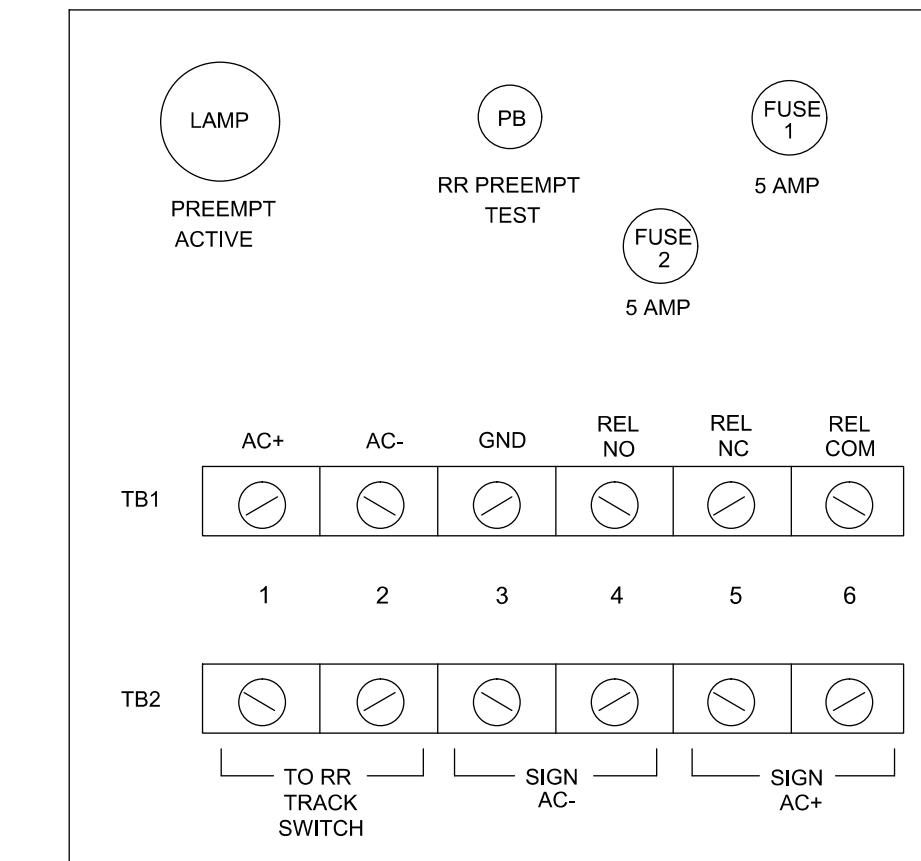
PREEMPTION AND BLANKOUT SIGN CONTROL BOX



NOTES

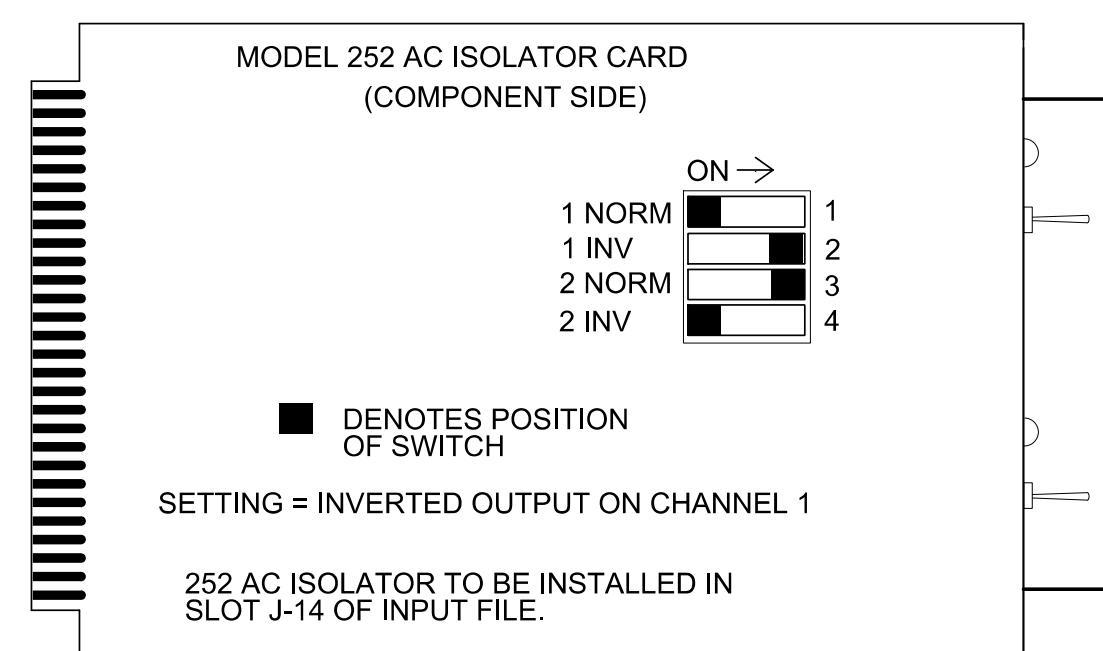
1. Relay K1 is shown in the energized (Preempt not active) normal operation state.
2. Relay K1 is a DPDT with 120VAC coil with octal base.
3. Relay SSR1 is a SPST (normally open) Solid State Relay with AC input and AC (25 amp) output.
4. AC Isolator Card shall activate preemption upon removal of AC+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



PREEMPT 1 AC ISOLATOR (MODEL 252) OUTPUT PROGRAMMING DETAIL

(set DIP switches as shown below)



THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-1387
DESIGNED: Jan 2026
SEALED: 1/27/2026
REVISED:

Final Design
Electrical Details - Sheet 3 of 4

Electrical and Programming Details For:
Prepared for the Offices of:
North Carolina Department of Transportation Mobility and Safety Division
Division 6 Robeson County Lumberton
PLAN DATE: Jan 2026 REVIEWED BY: B.J. Roth-Roffy
PREPARED BY: J.C. Grimm REVIEWED BY: T.M. Moody
REVISIONS INIT. DATE

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