

PREEMPTION PROGRAMMING

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

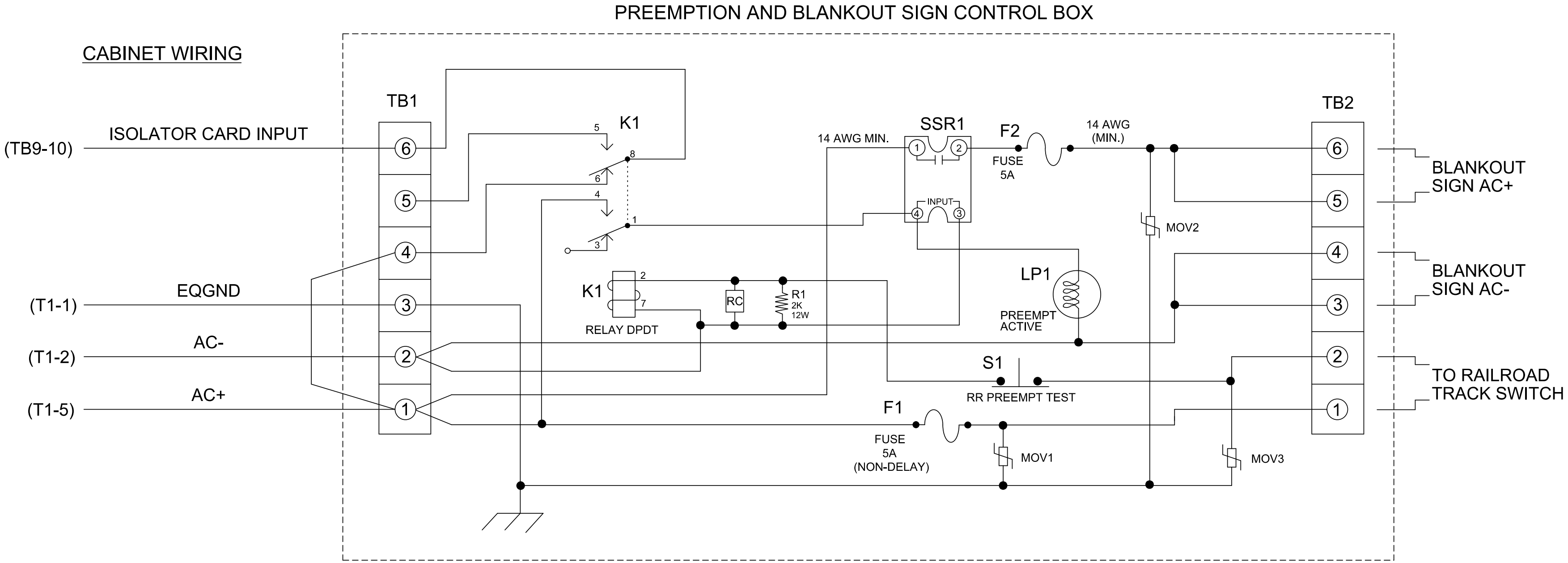
Web Interface  
Home >Controller >Preempt Configuration >Preempts

Preempt Configuration

Preempt	1
Enabled	Enabled
Type	Rail Road
Track Phases	1, 6, 39
Track Overlaps	1, 2, 3
Dwell Phases	3
Dwell Peds	-
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)

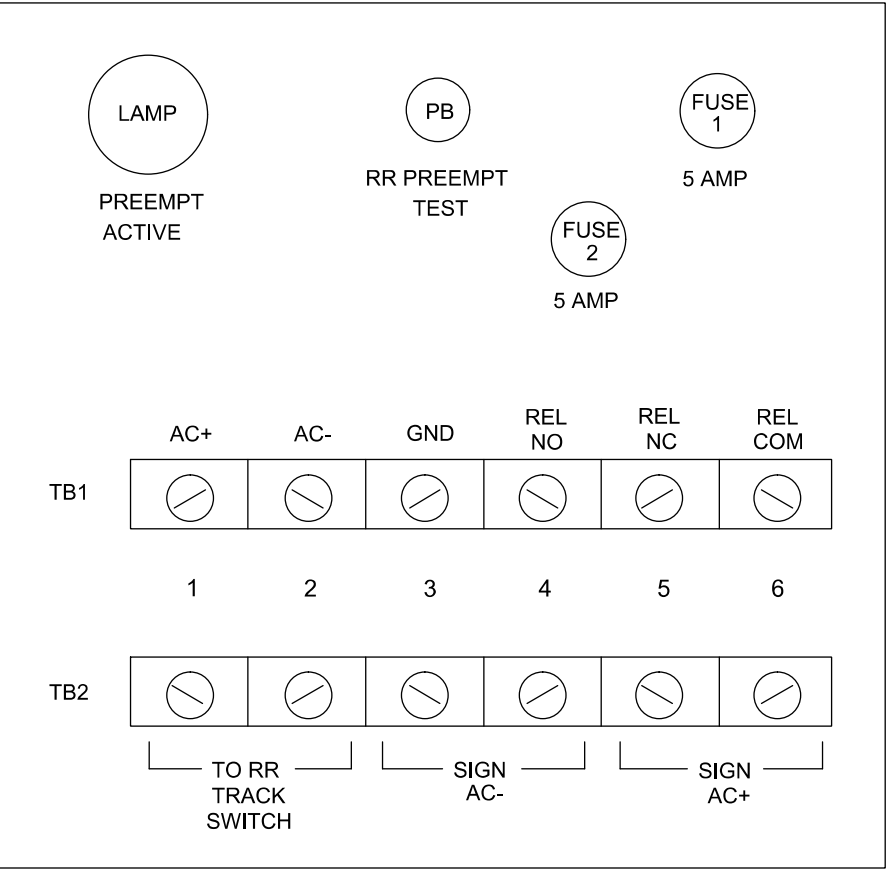


NOTES

- 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.

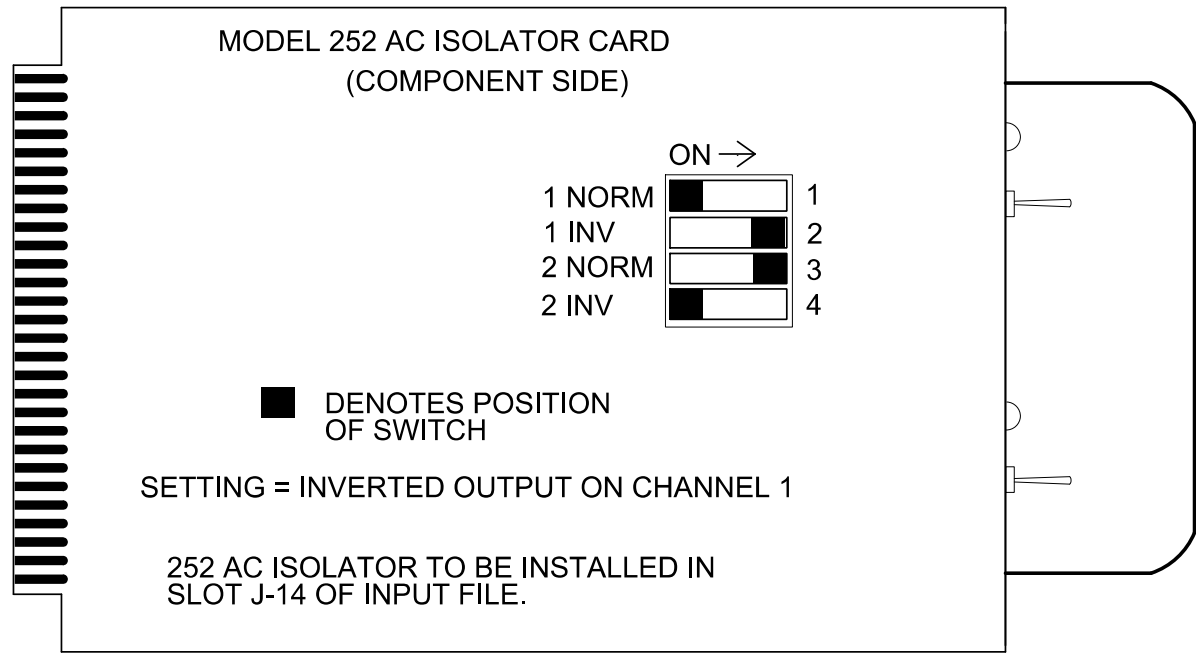
5. IMPORTANT!! A jumper must be added between input file terminals J14-E and J14-K if not already present. Also, terminal TB9-12 (on input panel) shall be connected to AC neutral (jumper may have to be added).

FRONT VIEW



PREEMPT 1 AC ISOLATOR (MODEL 252)  
OUTPUT PROGRAMMING DETAIL

(set DIP switches as shown below)



Final Design  
Electrical Details - Sheet 3 of 4

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Electrical and Programming  
Details For:

Prepared for the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 211 (N. Roberts Avenue)  
at  
Boomerang Drive / Restaurant Driveway

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

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

SEAL

NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
SEAL  
040329  
T.M. MOODY

DocuSigned by: T.M. Moody  
1/27/2026  
DATE

SIG. INVENTORY NO. 06-1387