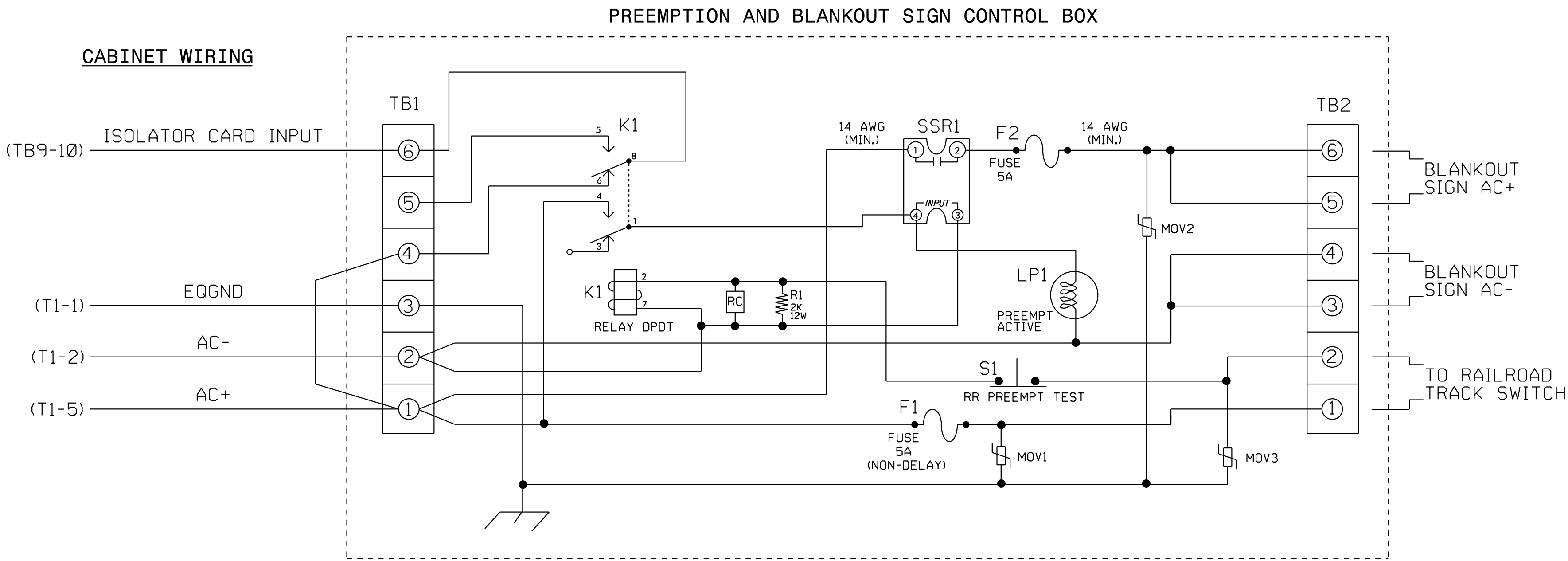


PROJECT REFERENCE NO.	SHEET NO.
U-5760	Sig. 3.3

RAILROAD PREEMPTION WIRING DETAIL

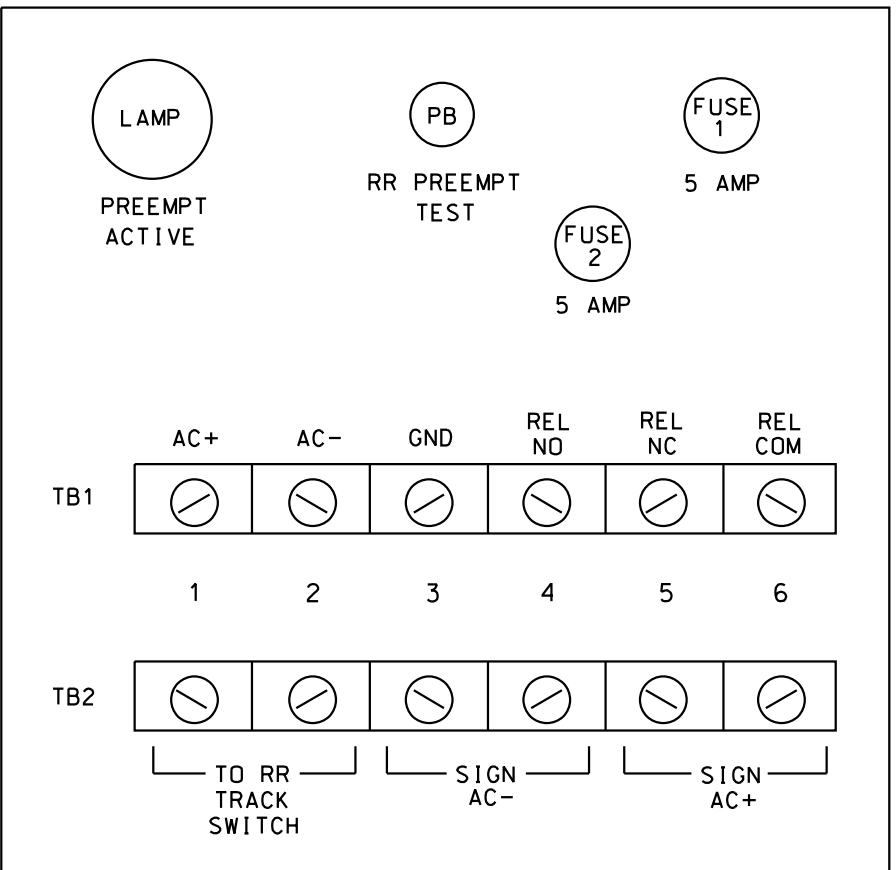
(wire as shown below)



NOTES

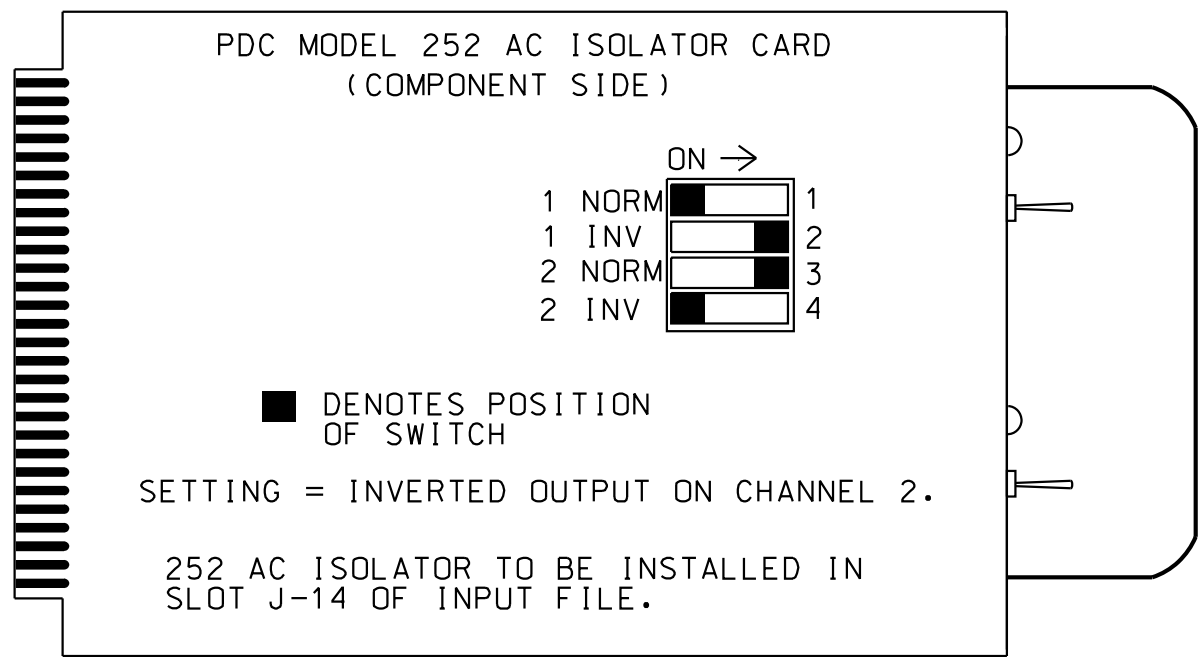
- Relay K1 is shown in the energized (Preempt not active) normal operation state.
- Relay K1 is a DPDT with 120VAC coil with octal base.
- Relay SSR1 is a SPST (normally open) Solid State Relay with AC input and AC (25 amp) output.
- AC Isolator Card shall activate preemption upon removal of AC+ from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

PREEMPTION PROGRAMMING

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

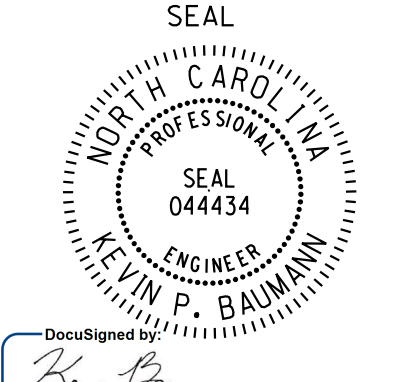
Web Interface
Home >Controller >Preempt Configuration >Preempts

Preempt Configuration

Preempt	1
Enabled	Enabled
Type	Rail Road
Track Phases	4,7,39
Track Overlaps	2,4
Dwell Phases	2,6
Dwell Peds	-
Dwell Overlaps	1
Cycling Phases	2,6,9
Cycling Peds	-
Cycling Overlaps	1,5,7
Exit Phases	4,8
Exit Overlaps	2,4
Delay	0
Call Ext Time	1.0
Max Presence	0
Max Pres Act	Terminate
Enter Min Green	1
Enter Walk	0
Enter Ped Clear	0
Enter Yellow Change	4.9
Enter Red Clear	3.3
Track Green	28
Track Yellow Clr	4.4
Track Red Clear	2.3
Dwell Green	0
Exit Min Green	255
Exit Yellow Change	25.5
Exit Red Clear	25.5
Exit Type	Exit Phases
Non Locking Memory	-
Not Ovr Flash	X
Not Ovr Nxt Pre	-
Require All Red Entry	-
Track Clear Ovr	X
Ped Clear During Yellow	-
Entry Omit OLTG	X
Track Reserve	X

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-0567T2
DESIGNED: August 2024
SEALED: 07/14/2025
REVISED: N/A

Electrical Detail - Temporary Design 2
Sheet 3 of 3

ELECTRICAL AND PROGRAMMING DETAILS FOR:		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared For:  750 N. Greenfield Pkwy, Garner, NC 27529		NC 66/SR 2377 (W. Mountain St.) at NC 66 (Old Hollow Road) and SR 2649 (Hopkins Road) Division 9 Forsyth County Kernersville PLAN DATE: August 2024 REVIEWED BY: KP Baumann PREPARED BY: CF Davis REVIEWED BY: REVISIONS INIT. DATE SIGNATURE DATE S1G. INVENTORY NO. 09-0567T2	SEAL  7/14/2025

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