PROJECT REFERENCE NO.	SHEET NO.
R-5709C	Sig. 3.3

PREEMPTION PROGRAMMING

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

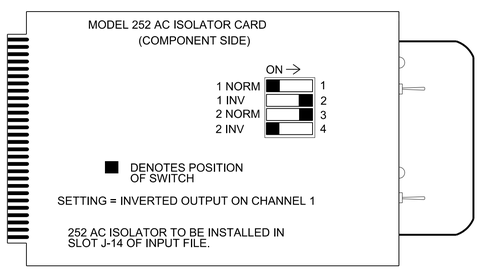
Web Interface
Home >Controller >Preempt Configuration >Preempts

Preempt Configuration

Preempt	1
Enabled	Enabled
Type	Rail Road
Track Phases	39
Track Overlaps	1
Dwell Phases	6
Dwell Overlaps	-
Cycling Phases	-
Cycling Overlaps	-
Exit Phases	3,8
Exit Overlaps	1,7
Delay	0
Max Presence	0
Max Pres Act	Terminate
Enter Min Green	1
Enter Walk	0
Enter Ped Clear	0
Enter Yellow Change	5.6
Enter Red Clear	2.4
Track Green	22
Track Yellow Clr	3.0
Track Red Clear	2.4
Dwell Green	0
Exit Min Green	255
Exit Yellow Change	25.5
Exit Red Clear	25.5
Call Ext Time	1.0
Exit Type	Exit Phases
Not Ovrd Flash	X
Not Ovrd Nxt Pre	-
Track Clear Ovrd	X
Ped Clr During Yellow	X
Entry Omit OLTG	X
Track Reserve	X

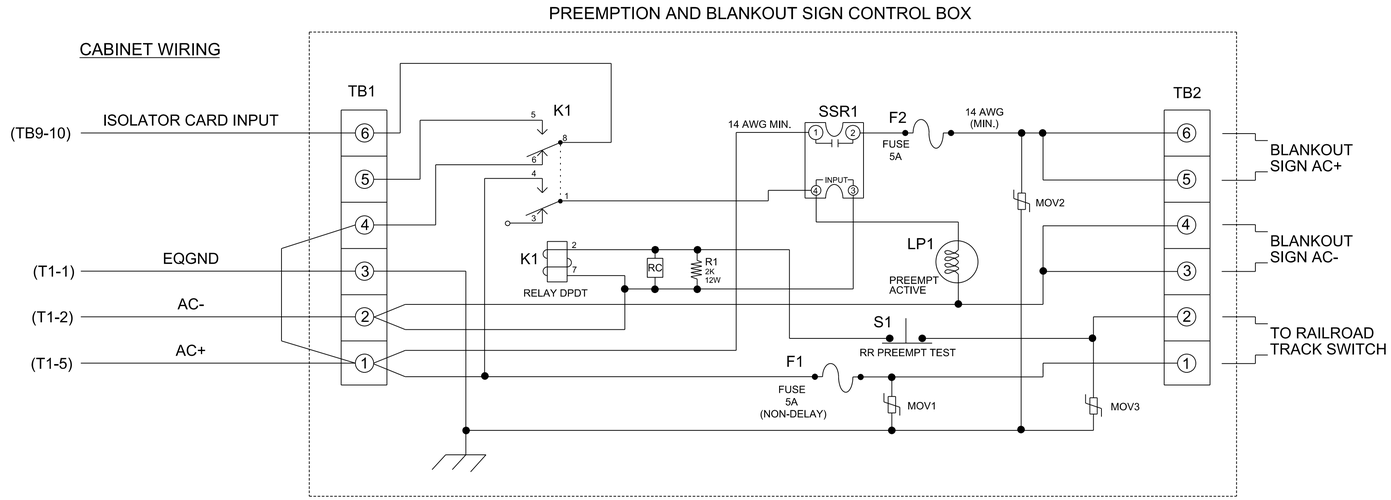
PREEMPT 1 AC ISOLATOR (MODEL 252) OUTPUT PROGRAMMING DETAIL

(set DIP switches as shown below)



RAILROAD PREEMPTION WIRING DETAIL

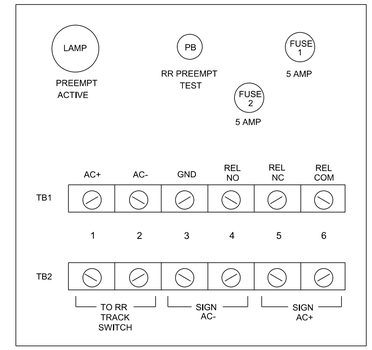
(wire as shown below)



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



THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 08-0268T
DESIGNED: August 2024
SEALED: August 28, 2024
REVISED: N/A

New Installation-Temporary Design
(TMP Phase III Step 2)-Electrical Detail-Sheet 3 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

RK&K
P: (919) 878-9560
8601 Six Forks Road Suite 700 | Raleigh, North Carolina 27615-2965
NC License No. F-0112
Engineers | Construction Managers | Planners | Scientists
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Electrical and Programming Details For:

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Traffic Engineering Branch
Signals & Signals Management Section
750 N. Greenfield Pkwy, Garner, NC 27529

NC 211 WB (Aberdeen Rd)
At
SR 1219 (Plank Rd)

Division 8 | Hoke County | Ashley Heights

PLAN DATE:	August 2024	REVIEWED BY:	DT Sears
PREPARED BY:	VS Kondapally	REVIEWED BY:	W.P. Erickson-Jones

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056142 ENGINEER PORTER JONES
DocuSigned by: Porter Jones D00F12F3A0E0438...
8/28/2024
DATE

SIG. INVENTORY NO. 08-0268T

8/27/2024
Matthew.Erickson
wpjones
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