RAILROAD PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS "3" PREEMPTS

```
Preemption Menu
1.HiPriority   4.LowPriority
2.Events
3.Sequences
```

ENTER PREEMPT #1

```
# 1          Preemption
1.Times         4.Times+
2.Phases        5.Overlaps+    8.AdvTimes
3.Options       6.Options+     9.Init'Dwell
```

```
# 1  Times   :   Begin      :      Other
  Delay     0   MinGrn    1    Track Grn  28
MinDura    10   MinWlk    1    Min Dwell   0
MaxPres     0   PedClr    5
```

PRESS "ESC"

```
# 1          Preemption
1.Times         4.Times+
2.Phases        5.Overlaps+    8.AdvTimes
3.Options       6.Options+     9.Init'Dwell
```

```
# 1        ---- Preempt Phases ----
Track Veh         3  8  0  0
DwellCyc Veh      2  6  7  0  0  0  0  0
DwellCyc(more)    0  0  0  0
DwellCyc (Ped)    0  0  0  0  0  0  0  0
Exit              4  8  0  0
```

PRESS "ESC"

```
# 1          Preemption
1.Times         4.Times+
2.Phases        5.Overlaps+    8.AdvTimes
3.Options       6.Options+     9.Init'Dwell
```

```
# 1        Preempt Options
                 Lock input ON
          Override Auto Flash ON
     Override higher # preempt ON
            Flash in dwell OFF
          Link to preempt # 0
```

PRESS "ESC"

```
# 1          Preemption
1.Times         4.Times+
2.Phases        5.Overlaps+    8.AdvTimes
3.Options       6.Options+     9.Init'Dwell
```

```
# 1 Preempt Times+    --- Exit --
                    Ped Clr    0
  Extend Dwell   0      Yel  0.0
    Return Max   0      Red  0.0
```

PRESS "ESC"

```
# 1          Preemption
1.Times         4.Times+
2.Phases        5.Overlaps+    8.AdvTimes
3.Options       6.Options+     9.Init'Dwell
```

```
# 1          -- Preempt Overlaps+ --
   Track      2  4  0  0  0  0  0  0
   (more)     0  0  0  0
   DwellCyc   3  4  2  0  0  0  0  0
   (more)     0  0  0  0
```

PRESS "ESC"

```
# 1          Preemption
1.Times         4.Times+
2.Phases        5.Overlaps+    8.AdvTimes
3.Options       6.Options+     9.Init'Dwell
```

```
# 1      Preempt Options +
Enable ON               Pattern   0
  Type RAIL    Skip Track if Overide OFF
Output TS-2           Coord+Preempt OFF
                    Volt Mon Flash  OFF
                   Return Max/Min   MAX
```

PRESS "ESC"

```
# 1          Preemption
1.Times         4.Times+
2.Phases        5.Overlaps+    8.AdvTimes
3.Options       6.Options+     9.Init'Dwell
```

```
# 1  AdvTimes
  AllRedB4Prmpt OFF      EnterYelChg  4.9
  ResetExtDwell OFF      EnterRedClr  2.9
ReservicePrempt OFF      TrackYelChg  3.6
       EndDwell OFF      TrackRedClr  2.9
  DynExitThresh   0          1111111
 DsblDwellCalls OFF   12345678  90123456
  +  ExitVehCall      ........  ........
```

PRESS "ESC"

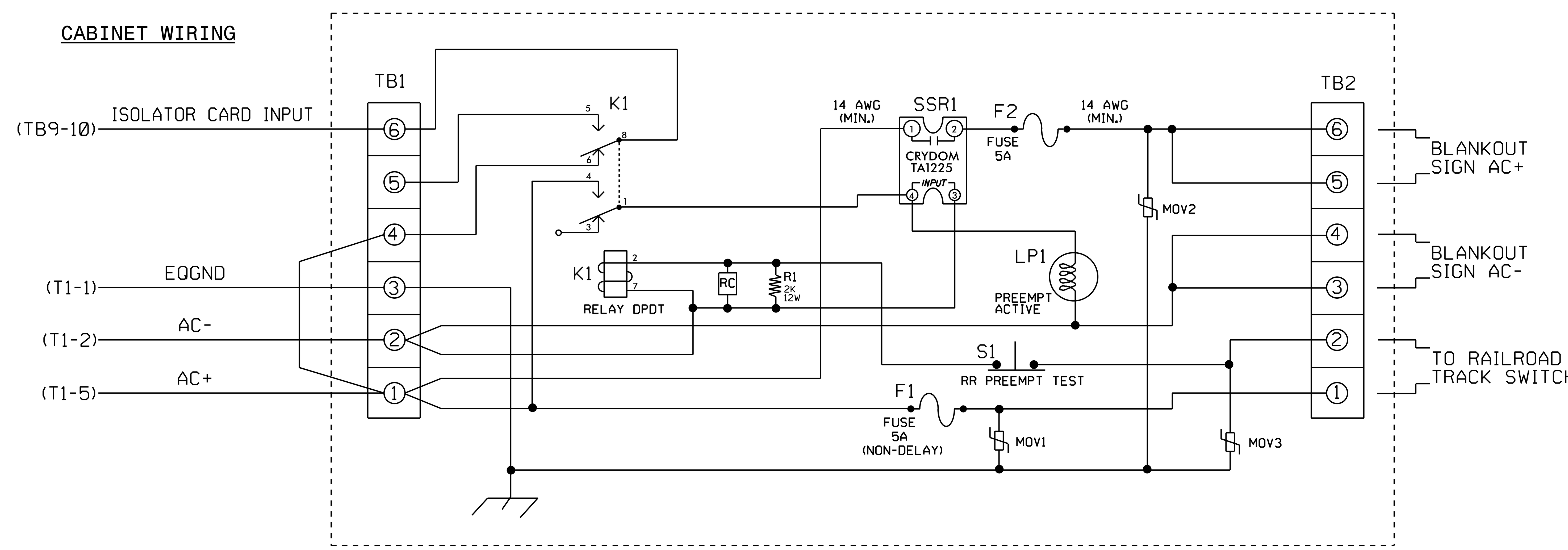
```
# 1          Preemption
1.Times         4.Times+
2.Phases        5.Overlaps+    8.AdvTimes
3.Options       6.Options+     9.Init'Dwell
```

```
# 1        --    Initial Dwell    --
Phases     0  0  0  0
Peds       0  0  0  0
Overlaps   0  0  0  0  0  0  0  0
  (more)   0  0  0  0  0  0  0  0
```

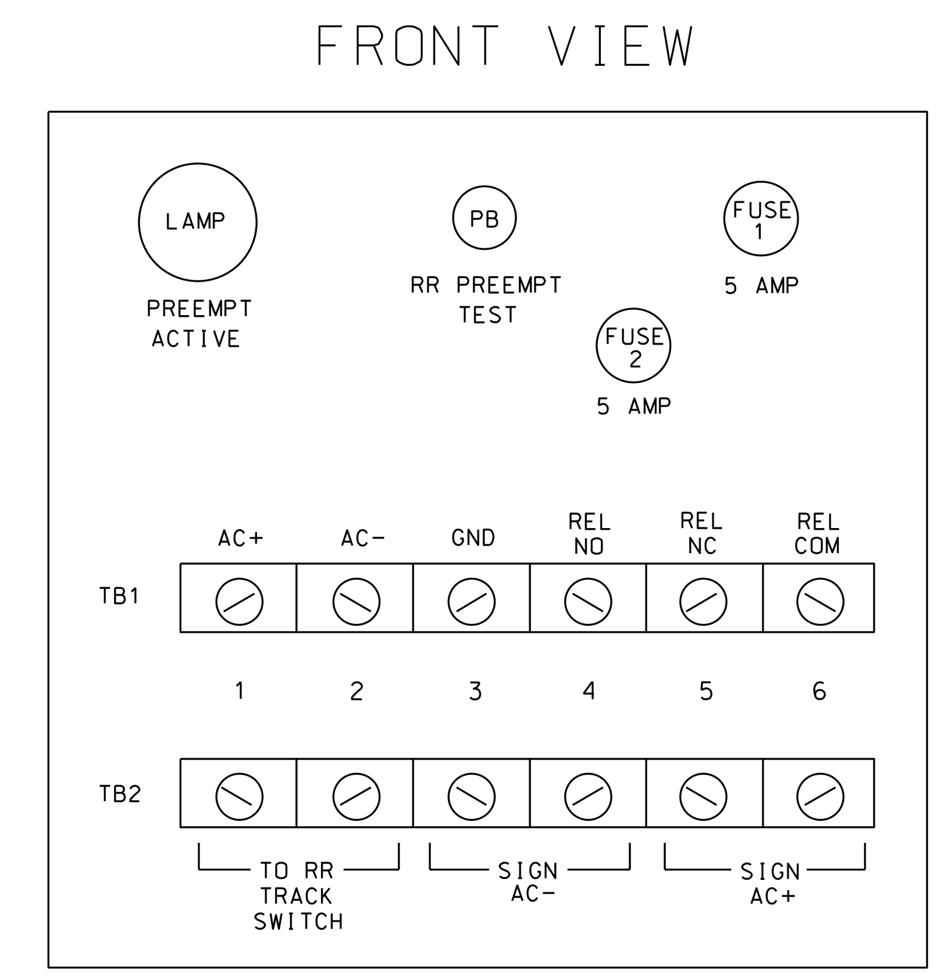
PROGRAMMING COMPLETE

RAILROAD PREEMPTION WIRING DETAIL

(wire as shown below)



FRONT VIEW



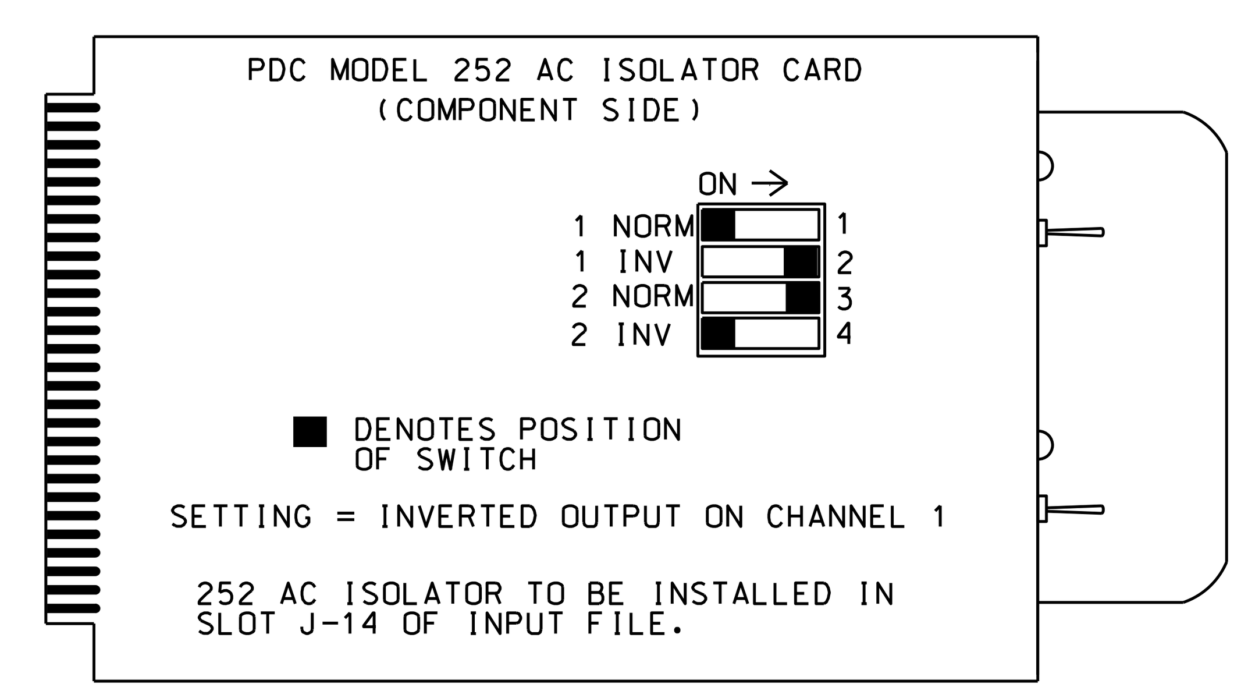
NOTES

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).

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-0424
DESIGNED: November 2023
SEALED: 1/17/2024
REVISED: N/A

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.

Electrical Detail - Sheet 4 of 5

ELECTRICAL AND PROGRAMMING DETAILS FOR:

SR 3163 (E. Market Street) at Sykes Ave. & Lowdermilk Street

Division 7 Guilford County Greensboro

PLAN DATE: January 2024 REVIEWED BY:

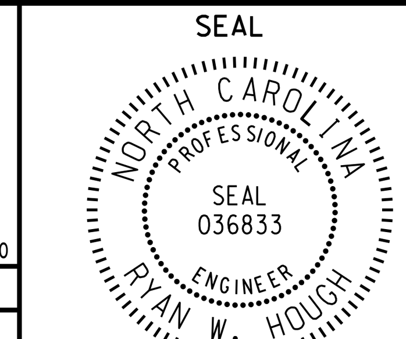
PREPARED BY: James Peterson REVIEWED BY:

REVISIONS	INIT.	DATE

Prepared in the Offices of: Transportation Mobility and Safety Division, ITS & Signals Management Section, 750 N.Greenfield Pkwy, Garner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL



DocuSigned by: Ryan W. Hough 01/19/2024 DATE

SIG. INVENTORY NO. 07-0424