PROJECT REFERENCE NO.	SHEET NO.
HA-0004	Sig. 2.2

EMS STATION

OUTPUT 1 INDICATOR IS USED TO CONFIRM THAT THE PREEMPT ACTIVATION SIGNAL FROM THE FIRE STATION WAS RECEIVED BY THE CABINET UNIT AND WILL REMAIN ILLUMINATED FOR THE DURATION OF THE PREEMPTION SEQUENCE.

DO NOT OPERATE RADIO WITHOUT AN ANTENNA CONNECTED AS DAMAGE TO THE TRANSMITTER MAY RESULT.

POWER CONNECTION TO BE MADE VIA 120VAC WALL CUBE SUPPLIED WITH RADIO UNIT.

Preempt push button in fire station (momentary, N.O.)

CABINET

POWER CONNECTION TO BE MADE VIA 120VAC WALL CUBE SUPPLIED WITH RADIO UNIT.

Relay K1 is de-energized under normal operation and is used to activate Input 1 to send a confirmation signal back to the EMS station unit during preemption.

NOTES:

1. Relay K1 is an enclosed DPDT general purpose relay with 24VDC coil, P&B NO. KRPA11DG-24, (DOT MATERIAL NO. 625028605). Use 8 pin base, P&B NO. 27E122, (DOT NO. 625028630).
2. Diode D1 is rated at 600piv, 1 amp (minimum), recommended part no. 1N 4005.
3. Add a jumper from TB9-6 (12 COM) to T3-4 (DC GND).
4. Unless otherwise programmed, all output LED indications will only stay "ON" for as long as the button is being pressed. If longer "ON" time is desired, see the ENCOM user manual Advanced I/O Configuration section for 'Output Hold Delay' programming instructions.

RELAY OCTAL BASE TERMINAL LOCATIONS

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 14-0955
DESIGNED: November 2021
SEALED: 12/15/2021
REVISED: N/A

Electrical Detail - Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

US 23-441 (Sylva Rd.)
at
Hyatt Road

Division 14 Macon County Franklin

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

PLAN DATE: December 2021	REVIEWED BY:
PREPARED BY: S. Armstrong	REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036833 ENGINEER RYAN W. HOUGH

DocuSigned by:
Ryan W. Hough Dec 15, 2021
DATE

SIG. INVENTORY NO. 14-0955

15-DEC-2021 12:18
14-0955_Sig.Ele.xx.dgn
sarmstrong