

	PROJECT	REFERENCE NO.	SHEET NO.
			Sig. 4
		2016CPT.03.09.1	0101, Etc.
<u>NOTES</u>			
All loop lead-ins shall be twisted.			
oop spacing is critical to the proper operation of this Overspeed Detection System. Make sure oop spacing is correctly programmed in NQ4 Unit			
nsure that connectors on rear of NQ4 are seated securely.			
NQ4 Unit shall be located in an auxiliary cabine adjacent to Speed Warning System loops.	t		
Init power is connected by standard electrical p	lug.		
erminal strips TB1, TB2, TB3, & TBA to be added	bу		
Relay 'K1' is a SPDT with an 120VAC coil. Pott Brumfield no. KRP5AGAG, Dot Material no. 625028			
The RC Network across the coil of 'K1' is a .1 m farad, 100 ohm, Dot Material no, 106018075, P&B no, 104M06QC100	icro		
DCO SPA-60BS is a surge protector for 120VAC Interconnect circuits, Dot Material no, 6250220	76.		
EDCO SHP300-10 is an AC service surge protector. Oot Material no. 625022075.			
o not install ground rods at auxiliary cabinet.			
nstall equipment ground from controller cabinet auxiliary cabinet if not already present.	to		
nstall disconnect if there is no disconnect pres at auxiliary cabinet.	sent		
MPORTANT! A jumper must be installed between in ile terminals J14-E and J14-K if not already pro			
MPORTANT! For proper operation of the Long Veh Detection Unit, tie TB9-12 to AC neutral.	icle		
MPORTANT! Make sure both channels of AC Isolator nserted at input file position J14 are set for in operation.		t	
NORTHSTAR CONTROLS MODEL NQ4			
PROGRAMMING DETAIL			
(program unit as shown)			
NOTE: UNIT MUST BE PROGRAMMED USING PC AND HYPERTERMINAL PROGRAM	A.		
PROGRAM NQ4 BY TYPING THE FOLLOWING COMMANDS			
1. SET SPEED=55			
2. SET LENGTH=22'			
3. SET ALARMTIME=12			
4. SET SEPARATION=16' (LEADING EDGE TO LEADING EDGE) (THIS VALUE MAY VARY, PROGRAM ACTUAL MEASURED SEPARATION)			
	111		

5. SET LOOP LENGTH=6' (THIS VALUE MAY VARY, PROGRAM ACTUAL MEASURED LOOP LENGTH)

6. SAVE

NOTE PROGRAMMING APPLIES TO BOTH LANE 1 AND LANE 2

gnal Upgrade - Sheet 3 of 5					
TRICAL AND PROGRAMMING DETAILS FOR:			SEAL		
Prepared in the Offices of:	SEAL 008453				
Et anagement Scitter	PREPARED BY: James Peterson REVISIONS	REVIEWED BY:			
N.Greenfield Pkwy.Garner.NC 27529	.∨Installed_new_loops, no change to electrical_detai		John T. Rowe, Jr. <u>1-08-10</u> 641 3660145EURE DATE SIG. INVENTORY NO. 03-0553		