

# SSCC IV HISTORY CARD

## SITE SETUP DATA

Unit Serial No.: _____		Crossing No.: _____		
Date Installed: _____		Installed By: _____		
<u>Crossing Controller</u> <input type="checkbox"/> 40-ampere unit 91215 <input type="checkbox"/> 20-ampere unit 91210		<u>Surge Panels (Isolated Gate Control)</u> <input type="checkbox"/> Other _____ <input type="checkbox"/> 91181-1 (use with 40-Amp or 20-Amp units 91215 and 91210) <input type="checkbox"/> 91181-2 (use with 40-Amp unit 91215)		
		<u>Surge Panels (Common Return Gate Control)</u> <input type="checkbox"/> Other _____ <input type="checkbox"/> 91170-1 (use with 40-Amp or 20-Amp units 91215 and 91210) <input type="checkbox"/> 91170-2 (use with 40-Amp unit 91215)		
PROGRAM	Notes	Initial Setting By: _____ Date: _____	Setting Changed By: _____ Date: _____	Setting Changed By: _____ Date: _____
FLASH RATE:	30-70 flashes/minute Default = 50	_____ flashes/minute	_____ flashes/minute	_____ flashes/minute
GATES USED:	YES/NO    Default = YES	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
1 GC DELAY:	3-20 sec.,    Default = 4	_____ seconds	_____ seconds	_____ seconds
2 GC DELAY (40A):	3-20 sec.,    Default = 4	_____ seconds	_____ seconds	_____ seconds
GATE RISING BELL: <sup>1,2</sup>	ON/OFF,    Default = ON	<input type="checkbox"/> ON <input type="checkbox"/> OFF	<input type="checkbox"/> ON <input type="checkbox"/> OFF	<input type="checkbox"/> ON <input type="checkbox"/> OFF
ENABLED INPUTS:	Inputs 1 – 7 only	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7
GC2/I7:	GC2 normal, I7 = normal GC2 inverted, I7 = normal GC2 prmt, I7 = prmt health GC2 Beacon	<input type="checkbox"/> NORMAL <input type="checkbox"/> INVERTED <input type="checkbox"/> PRE-EMPT SIM <input type="checkbox"/> PRE-EMPT ADV <input type="checkbox"/> BEACON	<input type="checkbox"/> NORMAL <input type="checkbox"/> INVERTED <input type="checkbox"/> PRE-EMPT SIM <input type="checkbox"/> PRE-EMPT ADV <input type="checkbox"/> BEACON	<input type="checkbox"/> NORMAL <input type="checkbox"/> INVERTED <input type="checkbox"/> PRE-EMPT SIM <input type="checkbox"/> PRE-EMPT ADV <input type="checkbox"/> BEACON
Input 7	Input, Prmt Hlth, Test Sw.	<input type="checkbox"/> In <input type="checkbox"/> Health <input type="checkbox"/> Test Sw	<input type="checkbox"/> In <input type="checkbox"/> Health <input type="checkbox"/> Test Sw	<input type="checkbox"/> In <input type="checkbox"/> Health <input type="checkbox"/> Test Sw
Test Sw 2TRKDSTK only	Activate, Act & Stk Release	<input type="checkbox"/> Activate <input type="checkbox"/> Act & Rel	<input type="checkbox"/> Activate <input type="checkbox"/> Act & Rel	<input type="checkbox"/> Activate <input type="checkbox"/> Act & Rel
ADV PRE-EMPT TIME (40A):	1 – 99 sec.,    Default = 1	_____ seconds	_____ seconds	_____ seconds
MIN ACTIVATION TIME <sup>1</sup>	0 – 99 sec.,    Default = 20	_____ seconds	_____ seconds	_____ seconds
STICK RELEASE TIME	5–120 min.,    Default =15	_____ minutes	_____ minutes	_____ minutes
BEACON PICKUP DELAY	5-600 sec.,    Default =20	_____ seconds	_____ seconds	_____ seconds
SUP ISLAND TIME	5 – 20 min.,    Default = 20	_____ minutes	_____ minutes	_____ minutes
ENABLED OUTPUTS (40A):	Default = A + B	<input type="checkbox"/> A + B <input type="checkbox"/> A <input type="checkbox"/> B	<input type="checkbox"/> A + B <input type="checkbox"/> A <input type="checkbox"/> B	<input type="checkbox"/> A + B <input type="checkbox"/> A <input type="checkbox"/> B
DAYLIGHT SAVING:	Default = DISABLED	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled
DATE:	-	<input type="checkbox"/> Date Set	<input type="checkbox"/> Date Set	<input type="checkbox"/> Date Set
TIME:	24-hour format	<input type="checkbox"/> Time Set	<input type="checkbox"/> Time Set	<input type="checkbox"/> Time Set
PASSWORD:	Default = DISABLED	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled

1 – If programming ent4quad.mcf, go to page 3 – Four Quadrant Applications, then return to this page to complete required Program values.

2 – If programming gcp4ent.mcf, go to page 3 – Four Quadrant Applications to complete required Program values.

**SITE SETUP DATA (continued)**

CONFIGURE				
LOS TIMERS: (MCF-dependent)	0-20 seconds, (Inputs 1 – 7, depending on MCF) Default = 0	1: ___ sec 5: ___ sec 2: ___ sec 6: ___ sec 3: ___ sec 7: ___ sec 4: ___ sec	1: ___ sec 5: ___ sec 2: ___ sec 6: ___ sec 3: ___ sec 7: ___ sec 4: ___ sec	1: ___ sec 5: ___ sec 2: ___ sec 6: ___ sec 3: ___ sec 7: ___ sec 4: ___ sec
MCF:	-	MCF: ID: ___ CRC: _____	MCF: ID: ___ CRC: _____	MCF: ID: ___ CRC: _____
ATCS Address:	Default = 700000000000			
LOW BATTERY:	9.0-15.0 volts, or Disabled Default = DISABLED	<input type="checkbox"/> Disabled <input type="checkbox"/> Enabled _____ volts	<input type="checkbox"/> Disabled <input type="checkbox"/> Enabled _____ volts	<input type="checkbox"/> Disabled <input type="checkbox"/> Enabled _____ volts
AUX I/O:	Default = NONVITAL OUTPUT	<input type="checkbox"/> NV Out <input type="checkbox"/> Fl Sync In <input type="checkbox"/> Flash Sync Out	<input type="checkbox"/> NV Out <input type="checkbox"/> Fl Sync In <input type="checkbox"/> Flash Sync Out	<input type="checkbox"/> NV Out <input type="checkbox"/> Fl Sync In <input type="checkbox"/> Flash Sync Out
DETECT LAMP NEUTRAL WIRE:	Default = Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

TEST CONFIGURE				
LAMP TEST CANCEL TIMER:	1-15 minutes, Default = 5	_____ minutes	_____ minutes	_____ minutes
LAMP TEST DELAY TIMER:	30-120 sec, Default = 30	_____ seconds	_____ seconds	_____ seconds
LAMP TEST ON TIMER:	15-60 sec, Default = 15	_____ seconds	_____ seconds	_____ seconds

**STANDARD SETUP LAMP VOLTAGES PROCEDURE  
USING TRUE RMS AC + DC METER, OR CONVERSION TABLE BELOW**

SETUP LAMP VOLTAGES	Initial Setting By: _____ Date: _____ Meter: _____	Initial Setting By: _____ Date: _____ Meter: _____	Initial Setting By: _____ Date: _____ Meter: _____
FAR GATE	1 L1 = _____ volts 1 L2 = _____ volts 2 L1 = _____ volts 2 L2 = _____ volts	1 L1 = _____ volts 1 L2 = _____ volts 2 L1 = _____ volts 2 L2 = _____ volts	1 L1 = _____ volts 1 L2 = _____ volts 2 L1 = _____ volts 2 L2 = _____ volts
SSCC IV	1 L1 = _____ volts 1 L2 = _____ volts 2 L1 = _____ volts 2 L2 = _____ volts	1 L1 = _____ volts 1 L2 = _____ volts 2 L1 = _____ volts 2 L2 = _____ volts	1 L1 = _____ volts 1 L2 = _____ volts 2 L1 = _____ volts 2 L2 = _____ volts
NEAR GATE	1 L1 = _____ volts 1 L2 = _____ volts 2 L1 = _____ volts 2 L2 = _____ volts	1 L1 = _____ volts 1 L2 = _____ volts 2 L1 = _____ volts 2 L2 = _____ volts	1 L1 = _____ volts 1 L2 = _____ volts 2 L1 = _____ volts 2 L2 = _____ volts

**Multimeter Reading Variance From Actual Lamp Voltage**

Battery Voltage	Regulated Lamp Drive Voltage Range	Measurement Below Actual Drive Voltage	
		Using Digital Multimeter (Fluke 87 or Equivalent)	Using Analog Multimeter (TS111)
13.3	9.0 to 12.0	1.3 volts	0.6 volt
	>12.0	0.91 volt	0.42 volt
14.7	9.0 to 12.0	2.2 volts	1.1 volts
	>12.0	1.54 volts	0.77 volts
15.8	9.0 to 12.0	2.6 volts	2.0 volts
	>12.0	1.82 volts	1.4 volts

# SSCC IV HISTORY CARD

## (FOUR QUADRANT APPLICATIONS)

Unit Serial No.: _____		Crossing No.: _____		
Date Installed: _____		Installed By: _____		
<u>Crossing Controller</u> 40-ampere unit 91215	<u>Surge Panels (Isolated Gate Control)</u> <input type="checkbox"/> Other _____ 91181-1 (use with 40-Amp unit 91215) 91181-2 (use with 40-Amp unit 91215)			
	<u>Surge Panels (Common Return Gate Control)</u> <input type="checkbox"/> Other _____ 91170-1 (use with 40-Amp unit 91215) 91170-2 (use with 40-Amp unit 91215)			
PROGRAM	Notes	Initial Setting By: _____ Date: _____	Setting Changed By: _____ Date: _____	Setting Changed By: _____ Date: _____
PRE-EMPT	Default = ENABLED	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled
ISLAND 2	Default = ENABLED	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled
ISLAND 3	Default = ENABLED	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled
ENTRANCE GATE POSITION INPUTS	Default = 1	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="checkbox"/> 1 <input type="checkbox"/> 2
ENTRANCE GATE DOWN INPUTS	Default = 2	<input type="checkbox"/> 2 <input type="checkbox"/> 4	<input type="checkbox"/> 2 <input type="checkbox"/> 4	<input type="checkbox"/> 2 <input type="checkbox"/> 4
AUX SSCC-IV	Default = DISABLED	<input type="checkbox"/> Disabled <input type="checkbox"/> Entrance <input type="checkbox"/> Exit <input type="checkbox"/> Both	<input type="checkbox"/> Disabled <input type="checkbox"/> Entrance <input type="checkbox"/> Exit <input type="checkbox"/> Both	<input type="checkbox"/> Disabled <input type="checkbox"/> Entrance <input type="checkbox"/> Exit <input type="checkbox"/> Both
EXIT GATE	Default = 3 AND 4	<input type="checkbox"/> 3 AND 4 <input type="checkbox"/> 4 only <input type="checkbox"/> 3 only	<input type="checkbox"/> 3 AND 4 <input type="checkbox"/> 4 only <input type="checkbox"/> 3 only	<input type="checkbox"/> 3 AND 4 <input type="checkbox"/> 4 only <input type="checkbox"/> 3 only
GATE OUTPUT	Default = A = 1    B = 2	<input type="checkbox"/> A=1 B=2 <input type="checkbox"/> A=1 B=1 <input type="checkbox"/> A=2 B=2 <input type="checkbox"/> Disabled	<input type="checkbox"/> A=1 B=2 <input type="checkbox"/> A=1 B=1 <input type="checkbox"/> A=2 B=2 <input type="checkbox"/> Disabled	<input type="checkbox"/> A=1 B=2 <input type="checkbox"/> A=1 B=1 <input type="checkbox"/> A=2 B=2 <input type="checkbox"/> Disabled

CONFIGURE				
ISLAND LOS TIMERS: (4-quadrant)	0-20 seconds Default = 0	1: _____ sec    3: _____ sec 2: _____ sec	1: _____ sec    3: _____ sec 2: _____ sec	1: _____ sec    3: _____ sec 2: _____ sec
VEHICLE DETECTOR	Default = Enabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled
VEHICLE DETECTOR EFFECT	Own Lane, Both Lanes Default = Own Lane	<input type="checkbox"/> Own Lane <input type="checkbox"/> Both Lanes	<input type="checkbox"/> Own Lane <input type="checkbox"/> Both Lanes	<input type="checkbox"/> Own Lane <input type="checkbox"/> Both Lanes
3 DET TIMER:	0-60 seconds, Default = 7	_____ seconds	_____ seconds	_____ seconds
4 DET TIMER:	0-60 seconds, Default = 7	_____ seconds	_____ seconds	_____ seconds
3 TET TIMER:	0-60 seconds, Default = 15	_____ seconds	_____ seconds	_____ seconds
4 TET TIMER:	0-60 seconds, Default = 15	_____ seconds	_____ seconds	_____ seconds
FGTMR:	Default = Enabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled
FGTMR TIMER:	0-60 seconds, Default = 20	_____ seconds	_____ seconds	_____ seconds
RAISE ENT GATE	XGT Not Down, XGT Up	<input type="checkbox"/> XGT NOT DOWN <input type="checkbox"/> XGT UP	<input type="checkbox"/> XGT NOT DOWN <input type="checkbox"/> XGT UP	<input type="checkbox"/> XGT NOT DOWN <input type="checkbox"/> XGT UP
BROKEN EXIT GATE TIMER	4-20 seconds, Default = 4	_____ seconds	_____ seconds	_____ seconds
3 FXGT TIMER	10-20 seconds, Default=15	_____ seconds	_____ seconds	_____ seconds
4 FXGT TIMER	10-20 seconds, Default=15	_____ seconds	_____ seconds	_____ seconds
LOCAL XR	Default = Enabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled

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