

# PROGRAMMING AND CONNECTION GUIDE FOR *SURGEX* SEO

## VERSION 2.0

To enter programming mode, first power down the outlets, then turn the SEL control one click clockwise, and then press the red button. Enter the password when prompted if a password has been set.

Select the menu item with the SEL control and then adjust the setting with the ADJ control.

To exit programming mode and save settings, turn the SEL control fully counter-clockwise and then press the red button.

Menu Item	Options	Description
BANK C FUNCTION	SEQUENCE * ALWAYS ON	Bank C is sequenced normally Bank C is no longer sequenced on & off
UP & DOWN INPUTS	MOMENTARY * SEPARATE UP & DOWN LATCHING 5-30 V dc	Use with momentary switch(es) Use with separate switches for up and down Use with a latching switch or contact closure Use with an applied DC voltage of 5 to 30 volts
DELAY A, B, C ON	1 – 40 SECONDS	Set power-up delay time for each bank
DELAY A, B, C OFF	1 – 40 SECONDS	Set power-down delay time for each bank
OVER-RIDE INPUT	CONTACT CLOSURE * 5-30 V dc	Use with relay contacts or latching switch Use with an applied DC voltage of 5 to 30 volts
OVER-RIDE FUNC	DISABLE * FORCE ON FORCE OFF MASTER PASS-THRU	Disable over-ride when it is not required Force unit on when over-ride is applied to input Force unit off when over-ride is applied to input Use when unit is the master in a cascaded chain Use when unit is an intermediate unit in a chain
OVER-RIDE OPTION	USE MAIN DELAYS * SPECIAL DELAY <sup>1</sup>	The main delays are used when an over-ride occurs The special delay is used when an over-ride occurs
OVER-RIDE DELAY	0 – 30 SECONDS	Set delay time to be used only during an over-ride
12V dc OUTPUT	CONFIRM * A B C LED CASCADE	Output provides confirmation to a controller Output synchronized with Bank A Output synchronized with Bank B Output synchronized with Bank C Flashes while powering up & down to drive LEDs Provide feedback to the previous cascaded unit
12V DELAY ON	0 – 40 SECONDS	Set power-up delay time when set to A, B or C
12V DELAY OFF	0 – 40 SECONDS	Set power-down delay time when set to A, B or C
AUX OUTPUT	CONFIRM * A B C GANG CASCADE	Relay contacts provide confirmation to a controller Contacts synchronized with Bank A Contacts synchronized with Bank B Contacts synchronized with Bank C Provide control to the next ganged unit Provide control to the next unit in a cascaded chain
AUX DELAY ON	0 – 40 SECONDS	Set power-up delay time when set to A, B or C
AUX DELAY OFF	0 – 40 SECONDS	Set power-down delay time when set to A, B or C

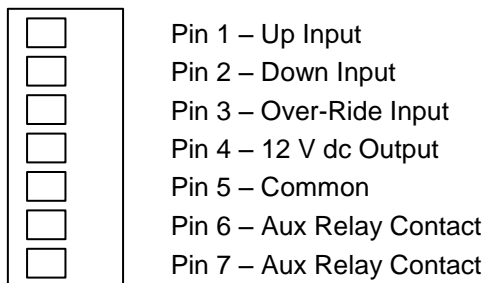
<sup>1</sup> Not recommended when Aux Output is set to A, B or C

Menu Item	Options	Description
FRONT PANEL BUTTON	ENABLE <sup>2</sup> * DELAY <sup>2</sup> DISABLE	Front panel button is enabled Button has a 1 second delay Front panel button is disabled
LOW VOLT SHUT DOWN	90 – 110 V ac	Set low voltage shut down point
HIGH VOLT SHUT DOWN	130 – 150 V ac	Set high voltage shut down point
SELF-TEST SHUT DOWN	DISABLE * ENABLE	Banks will not be powered off if self-test fails Banks will be powered off if self-test fails
POWER FAIL RESTORE	DISABLE * ENABLE <sup>2</sup>	Banks will remain off after a power failure Restore the original status after a power failure
OVER-RIDE RESTORE	DISABLE * ENABLE <sup>2</sup>	Original status will not be restored after an over-ride Original status will be restored after an over-ride
PASSWORD	A – Z	Set optional password of up to six letters

<sup>2</sup> Feature not available when using a latching type switch or applied voltage for remote control

\* Factory Default (as shipped)

## REMOTE CONTROL CONNECTION



### Connections

Momentary switch(es): Between Up input & Common

Separate up and down switches: Between Up input & Common and Down input & Common

Single latching switch or contact closure: Between Up input & Common

Applied DC voltage: Between Up input & Common

Over-Ride contacts: Between Over-Ride Input & Common

LEDs: Between 12 V dc Output and Common, up to 40 mA current (resistor required)