FEDERAL SIGNAL

Four, Six, and Nine-Button Controller

Accessories

FEATURES

- Compact size for versatile mounting
- Swivel-mount included
- (4), (6), and (9) illuminated push-buttons
- Pre-programmed keypad configurations for the Valor®, Integrity®, Allegiant®, Navigator®, Legend®, CN SignalMaster®, and SpectraLux® ILS
- Multi-colored LED back-lit push buttons
- Variety of legend stickers included for button labeling
- Three-year warranty

FS TECHNOLOGIES

Convergence Network

Light Control in a Compact Package

Four, Six, and Nine-button Convergence Network programmable controllers are innovative light bar control modules designed specifically for use with the Federal Signal Convergence Network light bars — Valor®, Integrity®, Allegiant®, Navigator®, Legend®, CN SignalMaster™ and the SpectraLux® ILS warning light. The controllers feature illuminated push buttons and a position slide switch (Six-button controller, only).

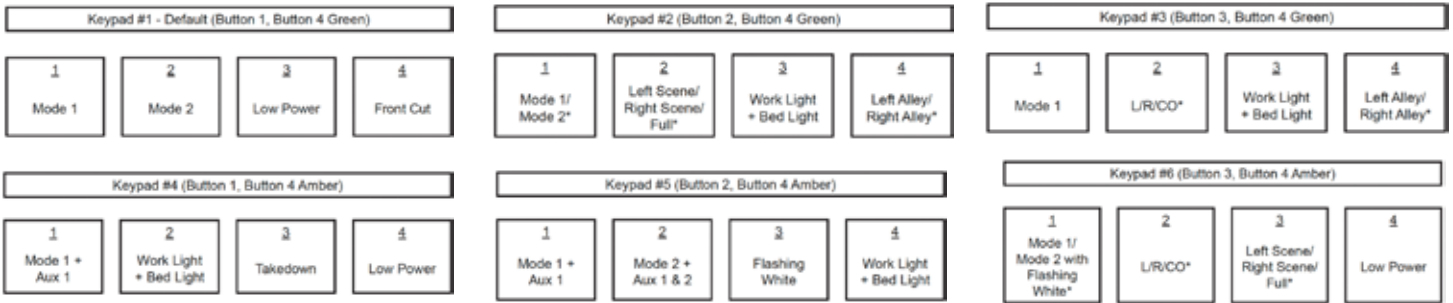### Power Programming for Quick and Easy Flash Pattern and Keypad Configuration Selection

Four, Six, and Nine-button controllers come with various pre-programmed keypad configurations. The multi-color keypad configuration contains between 1 – 3 flashing modes, producing one of (12) selectable flash patterns.

The enhanced functionality of these controllers lets the user take advantage of all the light bar has to offer, including built-in directional signals. Additional light bar functions include front and rear cutoff, takedown and alley lights, front and rear flood, work lights, and low power mode.

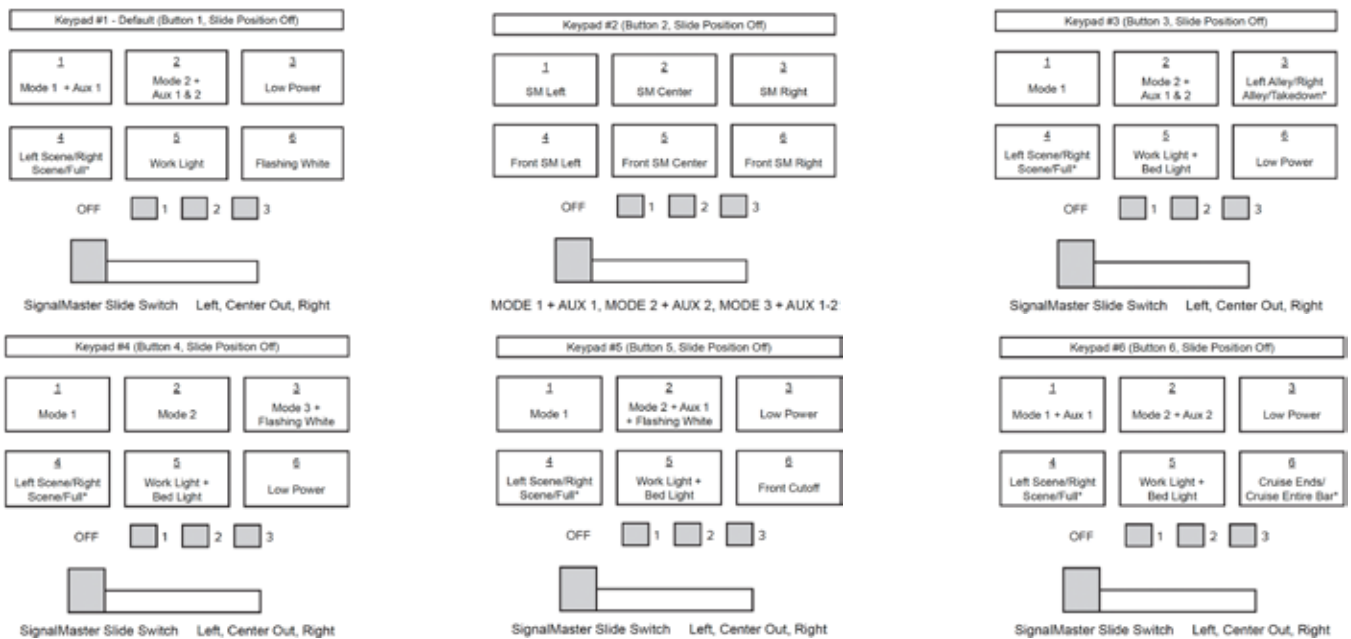### Simplified Installation with Convergence Network

Federal Signal Convergence Network is a PC software that allows the configuration of Federal Signal products. The Convergence Network's plug-n-play cable connection system makes installation of the Four, Six, and Nine-button programmable controller simple and easy.

FEDERAL SIGNAL

FOUR-BUTTON CONTROLLER KEYPAD CONFIGURATIONS FOR VALOR®/INTEGRITY®/ALLEGIANT®

Keypad #1 - Default (Button 1, Button 4 Green)

1	2	3	4
Mode 1	Mode 2	Low Power	Front Cut

Keypad #2 (Button 2, Button 4 Green)

1	2	3	4
Mode 1/ Mode 2*	Left Scene/ Right Scene/ Full*	Work Light + Bed Light	Left Alley/ Right Alley*

Keypad #3 (Button 3, Button 4 Green)

1	2	3	4
Mode 1	L/R/CO*	Work Light + Bed Light	Left Alley/ Right Alley*

Keypad #4 (Button 1, Button 4 Amber)

1	2	3	4
Mode 1 + Aux 1	Work Light + Bed Light	Takedown	Low Power

Keypad #5 (Button 2, Button 4 Amber)

1	2	3	4
Mode 1 + Aux 1	Mode 2 + Aux 1 & 2	Flashing White	Work Light + Bed Light

Keypad #6 (Button 3, Button 4 Amber)

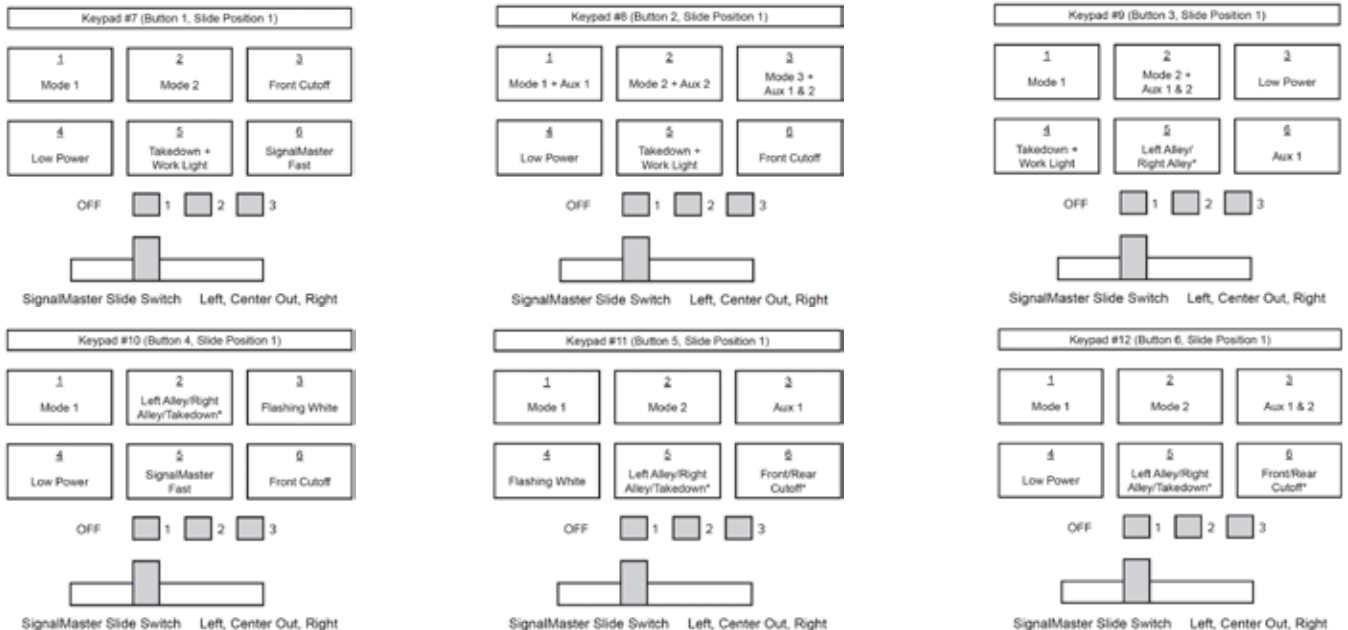| 1	2	3	4
Mode 1/ Mode 2 with Flashing White*	L/R/CO*	Left Scene/ Right Scene/ Full*	Low Power

*Indicates step-through

SIX-BUTTON CONTROLLER KEYPAD CONFIGURATIONS FOR VALOR®/INTEGRITY®/ALLEGIANT®

Keypad #1 - Default (Button 1, Slide Position Off)

1	2	3
Mode 1 + Aux 1	Mode 2 + Aux 1 & 2	Low Power
4 Left Scene/Right Scene/Full*	5 Work Light	6 Flashing White

OFF | 1 | 2 | 3
SignalMaster Slide Switch   Left, Center Out, Right

Keypad #2 (Button 2, Slide Position Off)

1	2	3
SM Left	SM Center	SM Right
4 Front SM Left	5 Front SM Center	6 Front SM Right

OFF | 1 | 2 | 3
MODE 1 + AUX 1, MODE 2 + AUX 2, MODE 3 + AUX 1-2

Keypad #3 (Button 3, Slide Position Off)

1	2	3
Mode 1	Mode 2 + Aux 1 & 2	Left Alley/Right Alley/Takedown*
4 Left Scene/Right Scene/Full*	5 Work Light + Bed Light	6 Low Power

OFF | 1 | 2 | 3
SignalMaster Slide Switch   Left, Center Out, Right

Keypad #4 (Button 4, Slide Position Off)

1	2	3
Mode 1	Mode 2	Mode 3 + Flashing White
4 Left Scene/Right Scene/Full*	5 Work Light + Bed Light	6 Low Power

OFF | 1 | 2 | 3
SignalMaster Slide Switch   Left, Center Out, Right

Keypad #5 (Button 5, Slide Position Off)

1	2	3
Mode 1	Mode 2 + Aux 1 + Flashing White	Low Power
4 Left Scene/Right Scene/Full*	5 Work Light + Bed Light	6 Front Cutoff

OFF | 1 | 2 | 3
SignalMaster Slide Switch   Left, Center Out, Right

Keypad #6 (Button 6, Slide Position Off)

1	2	3
Mode 1 + Aux 1	Mode 2 + Aux 2	Low Power
4 Left Scene/Right Scene/Full*	5 Work Light + Bed Light	6 Cruise Ends/Cruise Entire Bar*

OFF | 1 | 2 | 3
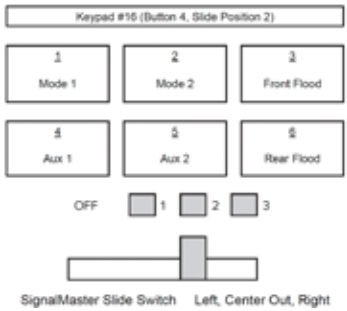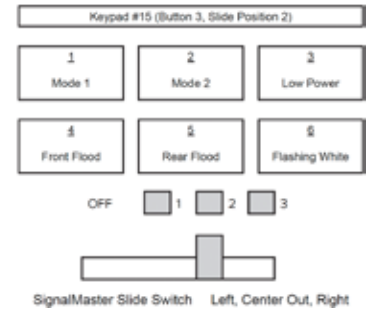SignalMaster Slide Switch   Left, Center Out, Right

*Indicates step-through

SIX-BUTTON CONTROLLER KEYPAD CONFIGURATIONS FOR LEGEND®

Keypad #7 (Button 1, Slide Position 1)

1	2	3
Mode 1	Mode 2	Front Cutoff
4 Low Power	5 Takedown + Work Light	6 SignalMaster Fast

OFF | 1 | 2 | 3
SignalMaster Slide Switch   Left, Center Out, Right

Keypad #8 (Button 2, Slide Position 1)

1	2	3
Mode 1 + Aux 1	Mode 2 + Aux 2	Mode 3 + Aux 1 & 2
4 Low Power	5 Takedown + Work Light	6 Front Cutoff

OFF | 1 | 2 | 3
SignalMaster Slide Switch   Left, Center Out, Right

Keypad #9 (Button 3, Slide Position 1)

1	2	3
Mode 1	Mode 2 + Aux 1 & 2	Low Power
4 Takedown + Work Light	5 Left Alley/Right Alley*	6 Aux 1

OFF | 1 | 2 | 3
SignalMaster Slide Switch   Left, Center Out, Right

Keypad #10 (Button 4, Slide Position 1)

1	2	3
Mode 1	Left Alley/Right Alley/Takedown*	Flashing White
4 Low Power	5 SignalMaster Fast	6 Front Cutoff

OFF | 1 | 2 | 3
SignalMaster Slide Switch   Left, Center Out, Right

Keypad #11 (Button 5, Slide Position 1)

1	2	3
Mode 1	Mode 2	Aux 1
4 Flashing White	5 Left Alley/Right Alley/Takedown*	6 Front/Rear Cutoff*

OFF | 1 | 2 | 3
SignalMaster Slide Switch   Left, Center Out, Right

Keypad #12 (Button 6, Slide Position 1)

1	2	3
Mode 1	Mode 2	Aux 1 & 2
4 Low Power	5 Left Alley/Right Alley/Takedown*	6 Front/Rear Cutoff*

OFF | 1 | 2 | 3
SignalMaster Slide Switch   Left, Center Out, Right

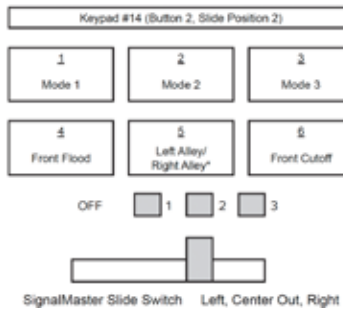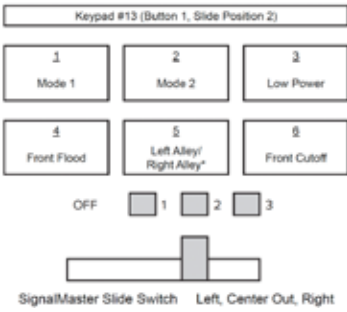*Indicates step-through
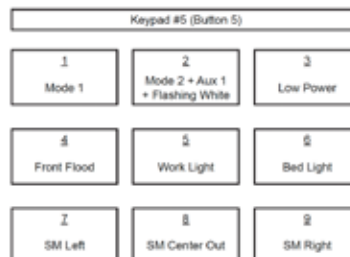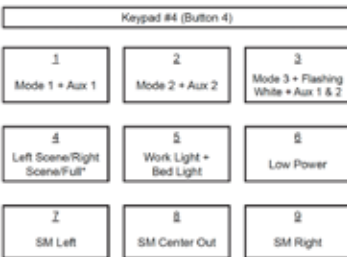
SIX-BUTTON CONTROLLER KEYPAD CONFIGURATIONS FOR NAVIGATOR®

Keypad #13 (Button 1, Slide Position 2)

1 Mode 1	2 Mode 2	3 Low Power
4 Front Flood	5 Left Alley/Right Alley*	6 Front Cutoff

OFF ☐1 ☐2 ☐3

SignalMaster Slide Switch — Left, Center Out, Right

Keypad #14 (Button 2, Slide Position 2)

1 Mode 1	2 Mode 2	3 Mode 3
4 Front Flood	5 Left Alley/Right Alley*	6 Front Cutoff

OFF ☐1 ☐2 ☐3

SignalMaster Slide Switch — Left, Center Out, Right

Keypad #15 (Button 3, Slide Position 2)

1 Mode 1	2 Mode 2	3 Low Power
4 Front Flood	5 Rear Flood	6 Flashing White

OFF ☐1 ☐2 ☐3

SignalMaster Slide Switch — Left, Center Out, Right

Keypad #16 (Button 4, Slide Position 2)

1 Mode 1	2 Mode 2	3 Front Flood
4 Aux 1	5 Aux 2	6 Rear Flood

OFF ☐1 ☐2 ☐3

SignalMaster Slide Switch — Left, Center Out, Right

Keypad #17 (Button 5, Slide Position 2)

1 Mode 1 + Aux 1	2 Mode 2 + Aux 2	3 Mode 3 + Aux 1 & 2
4 Low Power	5 Takedown/Work Light*	6 Flashing White

OFF ☐1 ☐2 ☐3

SignalMaster Slide Switch — Left, Center Out, Right

Keypad #18 (Button 6, Slide Position 2)

1 Mode 1	2 Mode 2	3 Flashing White
4 Front Flood	5 Left Alley/Right Alley*	6 Aux 1

OFF ☐1 ☐2 ☐3

SignalMaster Slide Switch — Left, Center Out, Right

*Indicates step-through
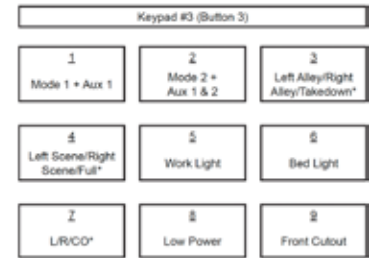
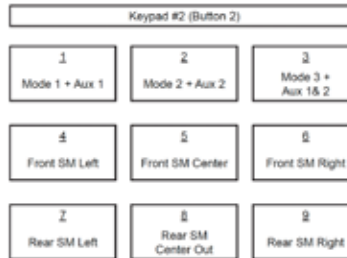## NINE-BUTTON CONTROLLER KEYPAD CONFIGURATIONS FOR VALOR®/INTEGRITY®/ALLEGIANT®

Keypad #1 - Default (Button 1)

1 Mode 1 + Aux 1	2 Mode 2 + Aux 1 & 2	3 Low Power
4 Left Scene/Right Scene/Full*	5 Work Lights	6 Flashing White
7 SM Left	8 SM Center Out	9 SM Right

Keypad #2 (Button 2)

1 Mode 1 + Aux 1	2 Mode 2 + Aux 2	3 Mode 3 + Aux 1 & 2
4 Front SM Left	5 Front SM Center	6 Front SM Right
7 Rear SM Left	8 Rear SM Center Out	9 Rear SM Right

Keypad #3 (Button 3)

1 Mode 1 + Aux 1	2 Mode 2 + Aux 1 & 2	3 Left Alley/Right Alley/Takedown*
4 Left Scene/Right Scene/Full*	5 Work Light	6 Bed Light
7 L/R/CO*	8 Low Power	9 Front Cutout

Keypad #4 (Button 4)

1 Mode 1 + Aux 1	2 Mode 2 + Aux 2	3 Mode 3 + Flashing White + Aux 1 & 2
4 Left Scene/Right Scene/Full*	5 Work Light + Bed Light	6 Low Power
7 SM Left	8 SM Center Out	9 SM Right

Keypad #5 (Button 5)

1 Mode 1	2 Mode 2 + Aux 1 + Flashing White	3 Low Power
4 Front Flood	5 Work Light	6 Bed Light
7 SM Left	8 SM Center Out	9 SM Right

Keypad #6 (Button 6)

1 Mode 1 + Aux 1	2 Mode 2 + Aux 2	3 Low Power
4 Takedown	5 Work Light	6 Bed Light
7 Right Alley	8 Left Alley	9 Cruise Ends

*Indicates step-through

HOW TO ORDER

Choose Four-button controller, Six-button controller, or Nine-button controller on our on-line light bar configurator at www.config.fedsig.com/lightbar or choose one of the popular serial light bar models shown in the catalog.

CNTRLR-4B	Four-button programmable serial controller
CNTRLR-6B	Six-button programmable serial controller with three-position slide switch
CNTRLR-9B	Nine-button programmable serial controller

SPECIFICATIONS

	FOUR-BUTTON	SIX-BUTTON	NINE-BUTTON
INPUT VOLTAGE		11-28 Vdc	
POLARITY		Negative ground only	
OPERATING TEMPERATURE		-40˚ to +149˚ F (-40˚ to +65˚ C)	
STANDBY CURRENT		Less than 0.1 A	
MAX INPUT		2 A	
PHYSICAL SPECIFICATIONS			
LENGTH	3.5 in (8.9 cm)	2.6 in (6.6 cm)	2.6 in (6.6 cm)
WIDTH	1.0 in (2.5 cm)	1.1 in (2.8 cm)	1.1 in (2.8 cm)
HEIGHT	1.6 in (4.1 cm)	2.8 in (7.1 cm)	2.8 in (7.1 cm)
SHIP WEIGHT			
	0.1 lb (0.05 kg)	0.2 lb (0.08 kg)	02lb (0.08 kg)