



# SIGNALMASTER™ CONTROLLER

## DIRECTIONAL LIGHT CONTROLLERS



SMC1  
330104



SMC5  
331105

### SignalMaster Directional Light Controllers

Federal Signal's SignalMaster™ directional light controllers offer intelligent, reliable design with expanded features and functions. The innovative design makes them unlike any other in the market.

SignalMaster controllers perform the same functions as our previous models, but provide users with a great deal more. They operate 12 and 24 VDC systems and can be configured to operate two 4-, 6- or 8-lamp directional lights. Users can easily select the functions with the tactile membrane panel. For durability, both models are enclosed in a rugged 1/8" thick aluminum housing and include a mounting bracket.

### Model 331105 (SMC5) – Multiple Flash Patterns

The SMC5, Model 331105, is our full-featured SignalMaster directional light controller. It is equipped with fourteen user-selectable warning patterns. The SMC5 also has a "Fast" and "Low Power" mode that can be selected for additional warning patterns. The directional control on the SMC5 is selected by a lever switch. When a pattern is activated, the LED light indicator illuminates for quick recognition.

### Auxiliary Light Functions

A unique feature of the SMC5 is its increased auxiliary light output functionality. The equivalent of a two-channel flasher is incorporated into the controller when the AUX button is activated. The two flasher channels (5-amps each) offer the user the choice of eight selectable patterns plus a steady-on mode. In addition to the flasher channels, the auxiliary feature is capable of switching a user-supplied relay to turn on almost any electronic device from the AUX button.

The auxiliary input feature allows users to activate the selected warning pattern from a remotely installed switch. The SMC5 controller also features a turn signal override. When connected at the time of installation, use of the vehicle's turn signal will disable the directional lightbar, allowing the end pods to mimic the vehicle's turn signal. Once the turn is completed, the directional pattern will return to the previous activated pattern. Furthermore, the increased current capacity of the controller allows the operation of two halogen SignalMaster directional lights or multiple LED SignalMaster directional lights.

### Model 330104 (SMC1)

The SMC1, Model 330104, is our basic SignalMaster directional light controller. In place of a lever switch, this controller features an ergonomically designed membrane switch and offers the choice between seven user-selectable warning patterns.

### > Features

- Combined 12 and 24 VDC operation from one controller.
- Operates two halogen or multiple LED SignalMaster directional lights (SMC5).
- One controller operates (2) 4-, 6-, or 8-lamp directional lights.
- Brighter halogen patterns.
- Fourteen (SMC5) / seven (SMC1) SignalMaster warning patterns.
- AUX IN and AUX OUT functions with eight warning patterns and steady-on mode allows customization of complete warning packages (SMC5).
- Turn signal override feature (SMC5).
- Tactile membrane switch panel.
- Reliable surface mount circuitry.

## > How to Order

### Specify Model\*

**330104** SMC1 basic directional light controller

**331105** SMC5 full-featured directional light controller

\*For use with any (2) 4-, 6-, or 8-lamp halogen or LED SignalMaster™ directional lights.



*Low-Profile Cuda TriOptic LED SignalMaster directional light.*



*Halogen SignalMaster directional light.*

SMC5 Specifications	
Input Voltage	11 VDC to 28 VDC
Polarity	Negative ground only
Operating Temp. Range	-30°C to +65°C
Standby Current	7mA
+BAT Fuse	25A (installer supplied)
+Ignition Fuse	2A
Relay Fuse	1A (installer supplied)
Output Drive Capability (Total)	
Directional	(16) 27W lamps on eight channels (2 lightbars in parallel)
Auxiliary	(4) 27W lamps (2 per output) (2) 55W lamps (1 per output)
Normal Directional Flash Rate	Approx. 30 patterns per minute
Fast Directional Flash Rate	Approx. 45 patterns per minute
Physical Dimensions	
Height	1.5 in (3.81 cm)
Width	6.125 in (15.56 cm)
Depth	5.0 in (12.70 cm)
Ship Weight	
	2.5 lbs (1.13 kg)

SMC1 Specifications	
Input Voltage	11 VDC to 28 VDC
Polarity	Negative ground only
Operating Temp. Range	-30°C to +65°C
Standby Current	7mA (.007A)
Lightbar Fuse	25A (installer supplied)
+IGNITION Fuse	2A
Output Drive Capability (Total)	
Directional	(8) 27W lamps on eight channels
Normal Directional Flash Rate	Approx. 30 patterns per minute
Physical Dimensions	
Height	1.5 in (3.81 cm)
Width	6.125 in (15.56 cm)
Depth	5.0 in (12.70 cm)
Ship Weight	
	2.5 lbs (1.13 kg)