

# MicroPulse® SignalMaster™

Directional Warning



## FEATURES

- LED directional warning light
- Utilizes MicroPulse Ultra 12 light heads
- Externally mounted
- Easy serviceability
- Available directional patterns include: left, right, center out, and flashing warning
- Visor-like extrusion designed to help block sunlight, increasing the warning effectiveness
- Compatible with Federal Signal's SignalMaster controllers
- The full-featured controllers include low-power mode to reduce amp draw for nighttime operation and fast mode that increases the "build" speed of the warning pattern
- Five-year warranty

### Durable, Directional Warning Solutions

Ideal for rear traffic warning, the MicroPulse® SignalMaster™ provides directional signals (left arrow, right arrow, center out) and flashing warning patterns to direct rear-facing traffic. When a directional signal is selected, the lamps are individually illuminated in a sequential sweeping motion until all lamps are illuminated. In addition, the brake module in selected models operate independently from the control module and are located at the center of the MicroPulse SignalMaster.

The MicroPulse Ultra lens is made of UV resistant polycarbonate to protect against harsh conditions. Certified to meet IP67, MicroPulse Ultra perimeter lights have a fully encapsulated water-proof housing that provides a barrier against dust, moisture, and water. Additionally, the MicroPulse SignalMaster's extruded housing is specially designed to help block sunlight and glare that adversely affects warning performance and effectiveness.

### Easy Serviceability

The MicroPulse SignalMaster was designed with ease of serviceability in mind. If you need to replace a light head, remove the screws on each end of the light and disconnect the wire harness connector from the assembly. Reconnect the wire harness to the cable assembly and secure the two screws using the new light head.

### Different Applications Call for Different Controllers

The full-featured SignalMaster controllers, sold separately, operate with a low-power mode to reduce amp draw for nighttime operation and fast mode that increases the "build" speed of the warning pattern. The standard and full-featured controllers provide left, right, center-out and flashing directional warning patterns.

## APPROVALS

- SAE J595 Class 1
- SAE J845 Class 1
- CCR Title 13
- IP67



330104-SB



331105-SB

## HOW TO ORDER

LED Color    Lens Color  
A   R    C

### MICROPULSE® SIGNALMASTER™

<b>MPSUSM20-4A-30</b>	20-inch MicroPulse SignalMaster, (4) Amber heads, 30-ft cable, (A-A-A-A)
<b>MPSUSM23-A-30</b>	23-inch MicroPulse SignalMaster, (4) Amber heads, 30-ft cable, (A-A-A-A)
<b>MPSUSM30-BRK-50</b>	30-inch MicroPulse SignalMaster, (4) Amber light heads and (1) Red brake light (center), 50-ft cable, (A-A-BRAKE-A-A)
<b>MPSUSM32-A-30</b>	32-inch MicroPulse SignalMaster, (6) Amber light heads, 30-ft cable, (A-A-A-A-A-A)
<b>MPSUSM32-A-60</b>	32-inch MicroPulse SignalMaster, (6) Amber light heads, 60-ft cable, (A-A-A-A-A-A)
<b>MPSUSM36-BRK-50</b>	36-inch MicroPulse SignalMaster, (6) Amber light heads and (1) Red brake light (center), 50-ft cable, (A-A-A-BRAKE-A-A-A)
<b>MPSUSM42-A-30</b>	42-inch MicroPulse SignalMaster, (6) Amber light heads, 30-ft cable, (A-A-A-A-A-A)
<b>MPSUSM42-BRK-30</b>	42-inch MicroPulse SignalMaster, (6) Amber light heads and (1) Red brake light (center), 30-ft cable, (A-A-A-BRAKE-A-A-A)
<b>MPSUSM42-A-60</b>	42-inch MicroPulse SignalMaster, (6) Amber light heads, 60-ft cable, (A-A-A-A-A-A)
<b>MPSUSM42-8A-30</b>	42-inch, (8) Amber light heads, 30-ft cable, (A-A-A-A-A-A-A-A)
<b>MPSUSM42-8A-60</b>	42-inch, (8) Amber light heads, 60-ft cable, (A-A-A-A-A-A-A-A)
<b>MPSUSM44-A-30</b>	44-inch MicroPulse SignalMaster, (8) Amber light heads, 30-ft cable, (A-A-A-A-A-A-A-A)
<b>MPSUSM44-A-60</b>	44-inch MicroPulse SignalMaster, (8) Amber light heads, 60-ft cable, (A-A-A-A-A-A-A-A)

<b>MPSUSM51-BRK-30</b>	51-inch MicroPulse SignalMaster, (8) Amber light heads and (1) Red brake light (center), 30-ft cable, (A-A-A-A-BRAKE-A-A-A-A)
<b>MPSUSM51-A-30</b>	51-inch MicroPulse SignalMaster, (8) Amber light heads, 30-ft cable, (A-A-A-A-A-A-A-A)
<b>MPSUSM51-A-60</b>	51-inch MicroPulse SignalMaster, (8) Amber light heads, 60-ft cable (A-A-A-A-A-A-A-A)
<b>MPSUSM65-A-60</b>	65-inch MicroPulse SignalMaster, (8) Amber light heads, 60-ft cable, (A-A-A-A-A-A-A-A)
<b>MPSUSM84-DOT</b>	84-inch MicroPulse SignalMaster, (8) Amber light heads, (3) Red DOT marker lights, 30-inch cable, (A-A-A-A-A-A-A-A)

### CONTROLLER OPTIONS

<b>330104-SB</b>	Basic directional light controller, for use with 4-, 6-, and 8-head models, 12/24 Vdc (multiple installer-selectable flash patterns, fuse protected)
<b>331105-SB</b>	Full-featured directional light controller, for use with 4-, 6-, and 8-head models, 12/24 Vdc (slide switch, multiple installer-selectable flash patterns, heavy duty ground, fuse protected, controls (2) SignalMasters simultaneously), turn signal override feature

### ACCESSORIES AND KITS

<b>320310</b>	Kit, bracket, flush mount system
<b>320320</b>	Kit, bracket, double L-bracket
<b>320330</b>	Kit, bracket, system mount
<b>320340</b>	Kit, bracket, universal vehicle mount
<b>320350</b>	Kit, bracket foot adapter

## SPECIFICATIONS

### SPECIFICATIONS

<b>OPERATING VOLTAGE</b>	12 Vdc
<b>CURRENT DRAW</b>	1.5 A per head
<b>OPERATING TEMP</b>	-40° to + 176° F (-40° to +80° C)

### PHYSICAL SPECIFICATIONS

	20-INCH	23-INCH	30-INCH	32-INCH	36-INCH	42-INCH	44-INCH	51-INCH	65-INCH	84-INCH
<b>LENGTH</b>	20.0 in (50.8 cm)	23.0 in (58.4 cm)	30.0 in (76.2 cm)	32.0 in (81.3 cm)	36.0 in (91.4 cm)	42.0 in (106.7 cm)	44.0 in (111.8 cm)	51.0 in (129.5 cm)	65.0 in (165.1 cm)	84.0 in (213.4 cm)
<b>WIDTH</b>	3.4 in (8.6 cm)									
<b>HEIGHT</b>	2.6 in (6.6 cm)									



**MPSUSM42-A-30**  
MicroPulse SignalMaster

MicroPulse and SignalMaster are trademarks of Federal Signal Corporation.

