MicroPulse® Ultra is now available in Single, Dual and Tri-color Models

Federal Signal announces exciting changes to the MicroPulse® Ultra product line. Now available to order are single and dual-color MicroPulse Ultra 3 models and single, dual and tri-color MicroPulse Ultra 6 and 12 models. All models feature a low-profile design that offers a wide range of mounting options and multiple units can synchronize to flash simultaneously or alternately. These new models also have a 5-year warranty.

These new MicroPulse Ultra models also feature FSLink®, a built-in software technology that incorporates a shared set of flash patterns within Federal Signal's LED perimeter lights, interior lights, and beacons. This shared flash pattern software allows the various products to be wired together, set in a common pattern and then synchronized together in order to flash simultaneously or alternately.

New MicroPulse models also feature FSJoin™. FSJoin is a programming compatibility feature of Federal Signal's light bars and exterior/interior warning lights that work in conjunction with the Pathfinder light/siren controller. The combination of FSJoin warning lights and the Pathfinder siren allow the Pathfinder to control lights around the vehicle by utilizing flash patterns in the siren, syncing/alternating light heads, and dimming light heads. FSJoin compatible products can be programmed though the Convergence Network Configuration Software, simplifying the programming of multiple warning lights and light bars.

FEATURES

- SpectraLux® multicolor LED technology in combinations of Amber, Blue, Green, Red and White
- FSLink® allows for synchronization across multiple product lines
- FSJoin™ enables the synchronization and programming of light bars and exterior/interior lights that works in conjunction with the Pathfinder® Siren
- Superior warning with high-powered LEDs
- Low-profile design offers wider range of mounting locations
- (25) Selectable flash patterns

- 12/24 Vdc
- Suitable for external and/or internal mounting applications
- Includes Black bezel and gasket, optional bezels available in White
- Single/multi-unit synchronization
- Will work with all existing MicroPulse Ultra brackets
- Designed and assembled in University Park, IL USA
- Five-year warranty

SpectraLux®   FSLink®   FSJoin™

2645 Federal Signal Drive, University Park, IL 60484 • www.fedsig.com
Police/Fire Phone: (800) 264-3578 • International Police/Fire Phone: (708) 534-3161 • Amber Market Phone: (800) 824-0254

APPROVALS

- IP67
- SAE
- NFPA*
- CCR T13*
- GSA KKK-A-1822*
- R65*

*Flash patterns meeting these specs are noted in the instruction manual.

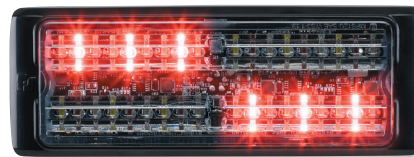## COMPATIBILITY WITH EXISTING MICROPUSLE ULTRA MODELS

- New MicroPulse Ultra models **will not synchronize** with older MicroPulse Ultra models
- New MicroPulse Ultra models **will synchronize** with existing X Series models. This includes MicroPulse Ultra X Series, MicroPulse Wide Angle X Series, 416300 X Series, and 416900/416910 X Series models
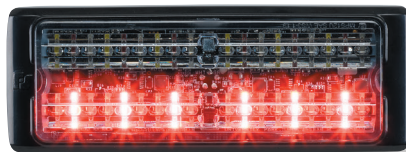
PROGRAMMING FEATURES

- (3) Programming modes
- (3) Brightness settings (full, dim, and cruise)
- FSLink compatibility to sync products simultaneously or alternately
- Flash color select
  - Dual-color MPS3U can operate as a single-color or dual-color light
  - Tri-color MPS6U/MPS12U can operate as a single, dual, or tri-color light
- Color order select
- Split flash select
  - MPS3U = full flash
  - MPS6U = full flash and left/right
  - MPS12U = full flash, left/right, top/down, and criss-cross

MPS123U full flash

MPS123U criss-cross

MPS123U top-down

MPS123U left/right

WIRING DIAGRAM

Similar to current products featuring FSLink, the new MicroPulse Ultra models have 5 wires as depicted in the photo below.

Wire	Internal Flasher Mode
Red	To +Vdc for Mode 1
White	To +Vdc for Mode 2
Brown	To +Vdc for Mode 3
Green	+Vdc for programming sync/FSLink
Black	To – Chassis Ground

SPECIFICATIONS

Input Voltage	12/24 Vdc
	12.8 of 25.6 Vdc nominal at 1.25 A
Fuse	2.0 A
Operating Temperature	-40°C to 80°C
Dimensions (with bezel) L x H x W	MPS3U – 3.5 in x 1.3 in x 0.4 in (8.8 cm x 3.3 cm x 1.0 cm)
	MPS6U – 5.2 in x 1.3 in x 0.4 in (13.2 cm x 3.3 cm x 1.0 cm)
	MPS12U – 5.3 in x 1.9 in x 0.4 in (13.5 cm x 4.8 cm x 1.0 cm)
Shipping Weight	MPS3U – 0.10 lbs (0.5 kg)
	MPS6U – 0.13 lbs (0.06 kg)
	MPS12U – 0.12 lbs (0.05 kg)

MicroPulse Ultra is only 0.4 inches thick

HOW TO ORDER

Model #	Description	2021 List Price US$
MicroPulse Ultra 3, Single-Color, Surface Mount, 12/24 Vdc, Clear Lens		
MPS31U-A	3-LED light head, Amber	$103.00
MPS31U-B	3-LED light head, Blue	103.00
MPS31U-R	3-LED light head, Red	103.00
MPS31U-W	3-LED light head, White	103.00
MicroPulse Ultra 3, Dual-Color, Surface Mount, 12/24 Vdc, Clear Lens		
MPS32U-RB	6-LED light head, Red/Blue	$125.00
MPS32U-RW	6-LED light head, Red/White	125.00
MPS32U-BW	6-LED light head, Blue/White	125.00
MPS32U-AW	6-LED light head, Amber/White	125.00
MPS32U-BA	6-LED light head, Blue/Amber	125.00
MPS32U-RA	6-LED light head, Red/Amber	125.00
MPS32U-AG	6-LED light head, Amber/Green	125.00
MicroPulse Ultra 6, Single-Color, Surface Mount, 12/24 Vdc, Clear Lens		
MPS61U-A	6-LED light head, Amber	$149.00
MPS61U-B	6-LED light head, Blue	149.00
MPS61U-R	6-LED light head, Red	149.00
MPS61U-W	6-LED light head, White	149.00
MicroPulse Ultra 6, Dual-Color, Surface Mount, 12/24 Vdc, Clear Lens		
MPS62U-AW	12-LED light head, Amber/White	$169.00
MPS62U-RB	12-LED light head, Red/Blue	169.00
MPS62U-BA	12-LED light head, Blue/Amber	169.00
MPS62U-BW	12-LED light head, Blue/White	169.00
MPS62U-RW	12-LED light head, Red/White	169.00

Model #	Description	2021 List Price US$
MicroPulse Ultra 6, Tri-Color, Surface Mount, 12/24 Vdc, Clear Lens		
MPS63U-RBW	18-LED light head, Red/Blue/White	$189.00
MPS63U-BAW	18-LED light head, Blue/Amber/White	189.00
MPS63U-RAW	18-LED light head, Red/Amber/White	189.00
MPS63U-AGW	18-LED light head, Amber/Green/White	189.00
MPS63U-RBA	18-LED light head, Red/Amber/White	189.00
MicroPulse Ultra 12, Single-Color, Surface Mount, 12/24 Vdc, Clear Lens		
MPS121U-A	12-LED light head, Amber	$169.00
MPS121U-R	12-LED light head, Red	169.00
MicroPulse Ultra 12, Dual-Color, Surface Mount, 12/24 Vdc, Clear Lens		
MPS122U-BW	24-LED light head, Blue/White	$199.00
MPS122U-AW	24-LED light head, Amber/White	199.00
MPS122U-RW	24-LED light head, Red/White	199.00
MPS122U-RB	24-LED light head, Reb/Blue	199.00
MicroPulse Ultra 12, Tri-Color, Surface Mount, 12/24 Vdc, Clear Lens		
MPS123U-RBW	36-LED light head, Red/Blue/White	$229.00
MPS123U-BAW	36-LED light head, Blue/Amber/White	229.00
MPS123U-RAW	36-LED light head, Red/Amber/White	229.00
MPS123U-AGW	36-LED light head, Amber/Green/White	229.00
Accessories		
MPSUMB3-2	White bezel for (1) MicroPulse Ultra 3	15.00
MPSUMB6-2	White bezel for (1) MicroPulse Ultra 6	15.00
MPSUMB12-2	Black bezel for (1) MicroPulse Ultra 12	15.00

TIMING

Orders for all new MicroPulse Ultra models listed above can be accepted and processed today.

Visit www.fedsig.com for more information. Check out the MicroPulse Ultra video!. Don't forget to subscribe!