FEDERAL SIGNAL
2645 Federal Signal Drive
University Park, IL 60484-3167

MicroPulse 620 Ultra Dual Color

25500141 REV.A1 0115

⚠ WARNING

To properly install this light, you must have a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment. Before installing this device, refer to the unabridged instructions for this device, which are available online at **www.fedsig.com**. Print the online document and provide copies to the end users of this product, and to the personnel who will service this product.

Surface Mount:

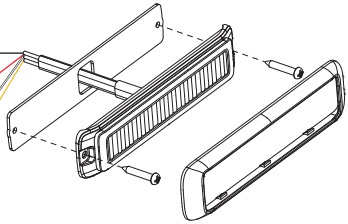
To Chassis Ground.....**BLACK**

To +VDC activates Memory1 in Color1.....**RED**
(fuse @ 2A)

To +VDC activates Memory2 in Color2.....WHITE
(fuse @ 2A)

For Programming & Synchronization.....**YELLOW**

Connect YELLOW wires of all heads together for synchronization *(all heads must be set at the same pattern)*



Operations:

MEMORY Selection

Each unit comes with 2 Memories (Memory1 & Memory2).
To configure:

1. Activate Memory1 or Memory2 by applying +VDC to **RED** or WHITE wire.
2. For a Flash Pattern, momentarily apply +VDC to **YELLOW** wire:
   - once for next pattern
   - quickly three times for reset

NOTE: **RED** wire default pattern is FP#1, and WHITE wire default pattern is FP#9 (Steady).

FP#	Flash Patterns
1	Single 122 FPM
2	Single 90 FPM
3	Single 113 FPM
4	Triple Flash (2.04 Hz)
5	Triple Flash (1.25 Hz)
6	Double (R65)
7	Quad (2 Hz)
8	Random
9	Steady
10	Single
11	Mega
12	Double
13	Quad
14	Quint
15	Ultra
16	Single-Quad
17	Single-H/L
18	Single-Triple-Quint

COLOR mode Selection

Each Memory comes with 3 COLOR modes. To configure:

1. Activate Memory1 or Memory2 by applying +VDC to **RED** or **WHITE** wire.
2. Apply +VDC to **YELLOW** wire for over 3 seconds to enter COLOR mode selection.
3. Once in COLOR mode selection, the unit will flash in low power.
4. Momentarily apply +VDC to **YELLOW** wire once to change COLOR mode:
   - COLOR mode 1 = Color 1
   - COLOR mode 2 = Color 2
   - COLOR mode 3 = Color 1 aternate Color 2
6. Exit COLOR mode selection by: (a) Applying +VDC to **YELLOW** for over three seconds or,
   (b) Disconnecting all power.

SYNCHRONIZATION

Each unit has 3 Modes: MASTER (default), SLAVE-SYNC, and SLAVE-ALT. If synchronized flashing is not needed, simply select the desired flash pattern.
For synchronized flashing, only one unit must be set to MASTER mode, while all other units are set to SLAVE-SYNC or SLAVE-ALT mode.

1. Enter MODE selection by:
   (a) Applying +VDC to **RED**, **YELLOW**, and **WHITE** wires simultaneously or,
   (b) Applying +VDC to **YELLOW** for over 3 seconds while **RED** and **WHITE** wires are activated.

   Once in MODE selection, the unit will steadily burn in low power and pulse in high power:
   - Single pulse = MASTER (default)
   - Double pulse = SLAVE-SYNC
   - Triple pulse = SLAVE-ALT
2. Remove **YELLOW** wire from +VDC and momentarily apply it to +VDC to change MODES:
   - SLAVE-SYNC units flash together with MASTER units.
   - SLAVE-ALT units alternate with SLAVE-SYNC and MASTER units.
3. Exit MODE selection by: (a) Applying +VDC to **YELLOW** for over three seconds or,
   (b) Disconnecting all power.

NOTE: When there is no MASTER unit present, all SLAVE units flash initially, and then burn steadily for two seconds, as no synchronization signal is detected. This happens so that the installer/user can easily pick out SLAVE vs. MASTER units.

Customer Support: 1-800-264-3578
Service Department: 1-800-433-9132
www.fedsig.com: 1-708-534-3400