

# Maestro Wireless Switches

## Models Available

### Switches

#### Lighting and motor loads

|                                   |                                                                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| MRF2S-6ANS-XX <sup>1,2,4</sup>    | 6 A Lighting/3 A Fan (1/10 HP motor),<br>Electronic Switch 120 V~                                                           |
| MRF2S-8ANS120-XX <sup>1,2,4</sup> | 8 A Lighting, 5.8 A Fan (1/4 HP motor), Spec-Grade<br>Electronic Switch 120 V~                                              |
| MRF2S-8S-DV-XX <sup>2,3,4</sup>   | 8 A Lighting, 3 A Fan (1/10 HP motor, 120 V~ only),<br>Spec-Grade Electronic Switch 120–277 V~, no<br>neutral wire required |

Switch



## Companion Switches

### Claro Gloss Finishes

MA-AS-XX<sup>2,4</sup> Companion Switch 120 V~

### Satin Colors Satin Finishes

MSC-AS-XX<sup>4</sup> Companion Switch 120 V~

Companion Switch



- <sup>1</sup> Neutral wire required.
- <sup>2</sup> BAA-compliant model numbers available. Add a “U” prefix to the model number. For a complete list of BAA/TAA compliant products please visit our website at [Lutron.com/BAA](http://Lutron.com/BAA) and select “Download BAA Product List”.
- <sup>3</sup> May require LUT-MLC (included with MRF2S-8S-DV models) to ensure proper function with low-wattage load types. See page 11 for details. If controlling Type B TLED bulbs, consult Application Note 812 (P/N 048812) on [www.lutron.com](http://www.lutron.com)
- <sup>4</sup> “XX” in the model number represents color/finish code. See **Colors and Finishes** at end of document.

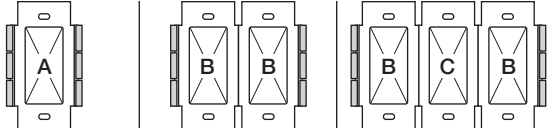
|             |                |
|-------------|----------------|
| Job Name:   | Model Numbers: |
| Job Number: |                |

## Ganging and Derating

When combining controls in the same wallbox, derating is required.

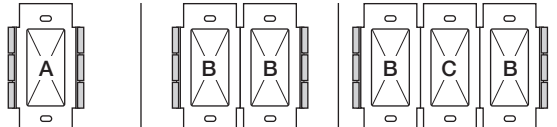
### Switch Load Type and Capacity

#### Neutral Required



| Control                        | Voltage | Load Type | Minimum Load | Maximum Load   |                |                   |
|--------------------------------|---------|-----------|--------------|----------------|----------------|-------------------|
|                                |         |           |              | A: Not Ganged  | B: End of Gang | C: Middle of Gang |
| MRF2S-8ANS120 <sup>1,2,5</sup> | 120 V~  | Lighting  | 25 W         | 8 A            | 6.5 A          | 5 A               |
|                                |         | Fan Motor | 0.2 A        | 1/4 HP (5.8 A) | 1/4 HP (5.8 A) | 1/6 HP (4.4 A)    |
| MRF2-6ANS <sup>1</sup>         | 120 V~  | Lighting  | 25 W         | 6 A            | 5 A            | 3.5 A             |
|                                |         | Fan Motor | 0.2 A        | 1/10 HP (3 A)  | 1/10 HP (3 A)  | 1/10 HP (3 A)     |

#### No Neutral Required



| Control                    | Voltage    | Load Type            | Minimum Load                | Maximum Load  |                      |                   |
|----------------------------|------------|----------------------|-----------------------------|---------------|----------------------|-------------------|
|                            |            |                      |                             | A: Not Ganged | B: End of Gang       | C: Middle of Gang |
| MRF2S-8S-DV <sup>1,5</sup> | 120–277 V~ | Incandescent/Halogen | 25 W                        | 8 A           | 8 A/7 A <sup>4</sup> | 7 A               |
|                            | 120–277 V~ | Fluorescent/LED/CFL  | 40 W (LUT-MLC) <sup>3</sup> | 8 A           | 8 A/7 A <sup>4</sup> | 7 A               |
|                            | 120 V~     | Fan Motor            | 0.4 A                       | 1/10 HP (3 A) | 1/10 HP (3 A)        | 1/10 HP (3 A)     |

<sup>1</sup> Switch Load Type:

- MRF2S-8ANS120 is designed for use with permanently-installed lighting loads and with fan motor loads up to 1/4 HP (5.8 A).
- MRF2S-8S-DV is designed for use with permanently-installed lighting loads and with fan motor loads up to 1/10 HP (3 A, 120 V~ only).
- MRF2-6ANS is designed for use with permanently-installed lighting loads and with fan motor loads up to 1/10 HP (3 A).

<sup>2</sup> For loads larger than 8 A (120 V~), the MRF2S-8ANS120 switch can be used with the PHPM-SW-DV-WH power booster.

<sup>3</sup> The LUT-MLC ensures proper function with low-wattage fluorescent, CFL, and LED load types. See page 11 for details.

<sup>4</sup> Maximum load for double-gang application is 8 A. Triple-gang application derates maximum load to 7 A.

<sup>5</sup> BAA-compliant model numbers available. Add a "U" prefix to the model number. For a complete list of BAA/TAA compliant products please visit our website at [Lutron.com/BAA](http://Lutron.com/BAA) and select "Download BAA Product List".

|             |                |
|-------------|----------------|
| Job Name:   | Model Numbers: |
| Job Number: |                |

## Specifications

### Regulatory Approvals

- UL® Listed.
- cUL® Listed (MRF2S-6CL only).
- CSA Certified (except for MRF2S-6CL).
- FCC Approved. Complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
- Industry Canada Certified.
- The following model numbers have been tested and found compliant with UL 2043 for use in air handling spaces: MRF2S-6CL-GR, MRF2S-6ELV-GR, MRF2S-6ND-GR. However, the RMJS-PNE-DV Phase Selectable PowPak is the recommended solution for these applications.

### Power

Operating voltage:

- 120 V~ 50/60 Hz (all models)
- 277 V~ 50/60 Hz (MRF2S-8S-DV)

### Environment

- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C)
- 0% to 90% humidity, non-condensing.
- Indoor use only.
- All drivers and ballasts used with Vive wireless controls must comply with the limits for a Class A device pursuant to Part 15 of the FCC Rules.

## Key Design Features

### Dimmers

- On a single-tap, lights fade UP or DOWN.
- On a double-tap, lights go to full ON.
- Light levels can be fine-tuned by pressing and holding the dimming rocker until the desired light level is reached.
- Two-wire dimmers available.

### Switches

- On a single-tap, lights turn ON or OFF.
- Two-wire switches available.

### All RF Local Controls

- Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.
- Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
- Controls always operate locally and do not require system control.
- Power failure memory: should power be interrupted, the control will return to its previously-set level prior to the interruption when power is restored.
- Uses conventional 3-way and 4-way wiring.
- Multiple location control from dimmer / switch and up to nine companion dimmers / switches.
- Use Lutron Designer (Claro and Satin Colors) wallplates or designer-style wallplates from other manufacturers. Wallplates are sold separately.
- Lutron Claro and Satin Colors wallplates snap on with no visible means of attachment.
- Requires a one-gang U.S. wallbox; 3½ in (89 mm) deep recommended, 2¼ in (57 mm) deep minimum.
- Green indicator lights.

### System Communications and Capacity

- Maestro Wireless controls communicate with the Pico remote controls and Radio Power Savr sensors through radio frequency (RF).
- Receives wireless inputs from up to 10 Pico remote controls, 10 Radio Powr Savr occupancy /vacancy sensors, and 1 Radio Powr Savr daylight sensor
- Maestro Wireless local controls must be located within 60 ft (18 m) line-of-sight or 30 ft (9 m) through walls, of Radio Power Savr sensors. The 60 ft (18 m) range is not reduced by a ceiling tile obstruction.
- Maestro Wireless local controls must be located within 60 ft (18 m) line-of-sight or 30 ft (9 m) through walls, of a Pico remote control. The 60 ft (18 m) range is not reduced by a ceiling tile obstruction.

|                                                      |                              |
|------------------------------------------------------|------------------------------|
| <p><b>Job Name:</b></p><br><p><b>Job Number:</b></p> | <p><b>Model Numbers:</b></p> |
|------------------------------------------------------|------------------------------|