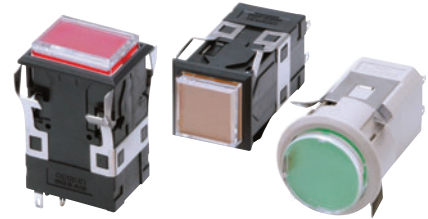



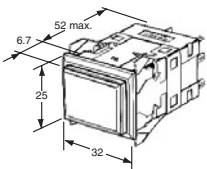
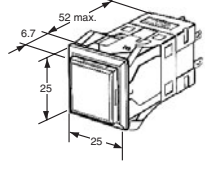
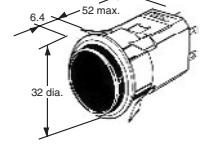
Large Rectangular-bodied Indicators

- Excellent illumination with even surface brightness.
- Three-color models (green, orange, red; chameleon lighting) included in lineup.



 Refer to *Safety Precautions for All Pushbutton Switches and Safety Precautions of A3P.*

List of Models

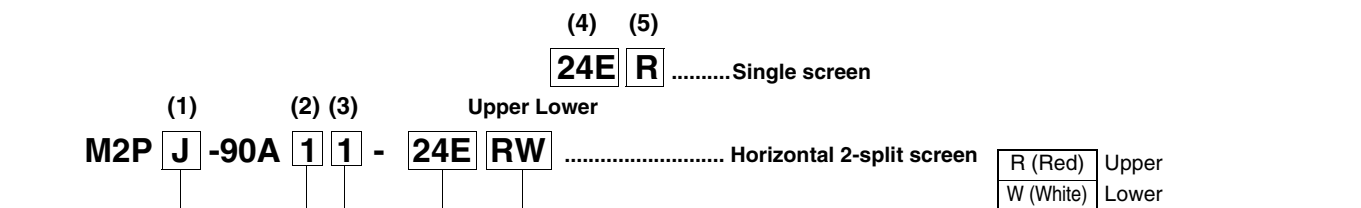
| Model | Appearance |
|-----------------------|---|
| M2PJ (Rectangular) |  |
| M2PA (Square) |  |
| M2PT (Round) |  |

- Panel cutout dimensions: Refer to page 12.
- Dimensions: Refer to page 11.
- Accessories, replacements, and tools: Refer to the A3P.
- Specifications: Refer to the A3P.

Model Number Structure

Model Number Legend The model numbers used to order sets of Units are illustrated below. One set comprises the Display, Lamp, and Socket.




For information on combinations, refer to *Ordering Information*.



(1) Shape of Display

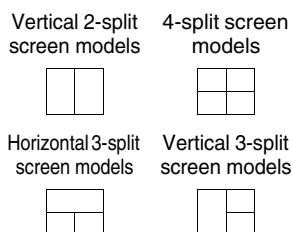
| Symbol | Shape |
|--------|-------------|
| J | Rectangular |
| A | Square |
| T | Round |

(2) Screen Pattern

| Illumination-only models | |
|--------------------------|---|
| Symbol | Screen pattern |
| 1 | Single screen  |
| 2 | 2-split screen  |
| G | Chameleon *1  Note: The chameleon screen pattern is not available with M2PT models. The chameleon screen pattern is only available with 12 or 24-VDC models. |

*1. With chameleon models, the whole screen lights red, green, or orange. When not lit, the display is white.

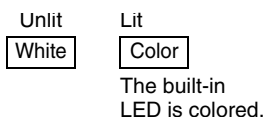
• The available rectangular models are shown below. Select from among the individual products shown on page 7.



The above diagrams show the Sockets with the "OMRON" mark facing down.

▶ Colored-illumination models up to the 4-split screen models are available as individual Units. Refer to page 7.

▶ "Colored-illumination" models operate in the way shown below:



(3) Case Color

| Symbol | Color |
|--------|------------|
| 1 | Black |
| 2 | Light gray |

Note: M2PT model is available in light gray only.

(4) Lighting Method LED-lighted Models (M2PJ and M2PA Only)

| Symbol | Rated voltage |
|--------|---------------|
| 05E | 5 VDC |
| 12E | 12 VDC |
| 24E | 24 VDC |

LED Lamp-lighted Models (M2PT Only)

| Symbol | Rated voltage |
|--------|---------------|
| 05C | 5 VDC |
| 12C | 12 VDC |
| 24C | 24 VDC |

Note: M2PJ and M2PA can also be ordered separately. Refer to page 7 for details.

Incandescent Lamp lighted Models

| Symbol | Rated voltage |
|--------|---------------|
| 06 | 6 VAC/VDC |
| 14 | 14 VAC/VDC |
| 28 | 28 VAC/VDC |

(5) Color of Display For LED

| Symbol | Color |
|--------|-----------|
| R | Red |
| O | Orange |
| G | Green |
| W | White |
| K | Chameleon |

- The chameleon screen pattern is not available with M2PT models.
- The chameleon screen pattern is only available with 12 or 24-VDC models.

For Incandescent Lamp

| Symbol | Color |
|-----------|---------------------------------|
| No symbol | Red, Orange, White, Blue, Green |

- Includes colored plate. Refer to page 8 for details.
- (Low-power incandescent lamp)

Number of Built-in LED Lamps

| Screen pattern | A3PJ | A3PA | A3PT |
|---------------------------|---------------------|------|------|
| Single screen | Built-in LED models | | 2 |
| Horizontal 2-split screen | | | --- |
| Vertical 2-split screen | | | |
| Horizontal 3-split screen | 4 *2 | --- | --- |
| Vertical 3-split screen | | | |
| 4-split screen | | | |

Number of Built-in Incandescent Lamps

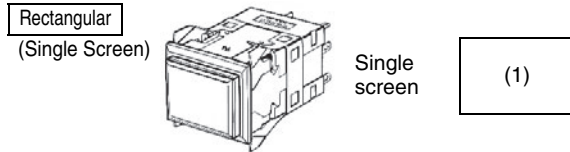
| Screen pattern | A3PJ | A3PA | A3PT |
|---------------------------|------------------------------------|------|------|
| Single screen | 2 | 1 | 2 |
| Horizontal 2-split screen | 4 (Low-power incandescent lamp) *2 | 2 | --- |
| Vertical 2-split screen | | --- | --- |
| 3-split, E shape/T shape | | --- | --- |
| 4-split screen | | --- | --- |

*2. These split screen models are available only as individual Units. They cannot be ordered as sets.

Ordering Information

Ordering as a Set The model numbers used to order sets of Units are given in the following tables. One set comprises the Display, Lamp, and Socket.

M2PJ (Rectangular) Single Screen Models



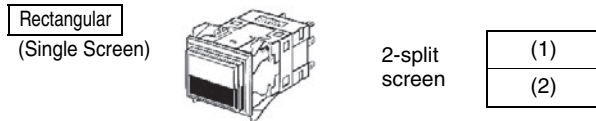
| Case color | | Black | Light gray | Display color symbol |
|-------------------|------------|-------------------|-------------------|----------------------|
| LED | 5 VDC | M2PJ-90A11-05E(1) | M2PJ-90A12-05E(1) | R O G W |
| | 12 VDC | M2PJ-90A11-12E(1) | M2PJ-90A12-12E(1) | |
| | 24 VDC | M2PJ-90A11-24E(1) | M2PJ-90A12-24E(1) | |
| Chameleon | 12 VDC | M2PJ-90AG1-12EK | M2PJ-90AG2-12EK | *1 |
| | 24 VDC | M2PJ-90AG1-24EK | M2PJ-90AG2-24EK | |
| Incandescent lamp | 6 VDC/VAC | M2PJ-90A11-06 | M2PJ-90A12-06 | *2 |
| | 14 VDC/VAC | M2PJ-90A11-14 | M2PJ-90A12-14 | |
| | 28 VDC/VAC | M2PJ-90A11-28 | M2PJ-90A12-28 | |

Note: Enter the desired color symbol for the Display in (1). (R) = Red, (O) = Orange, (G) = Green, (W) = White.

Example: Red M2PJ-90A11-24ER

*1. You can change the screen colors of chameleon models between red, green, and orange by changing the terminal wiring. Refer to page 14 for details.

*2. Incandescent lamps are supplied with colored plates (white, red, green, blue, and orange) and legend plates (milk-white and transparent). Use the appropriate combination.



| Case color | | Black | Light gray | Display color symbol |
|-------------------|------------|----------------------|----------------------|----------------------|
| LED | 24 VDC | M2PJ-90A21-24E(1)(2) | M2PJ-90A22-24E(1)(2) | R O G W |
| Incandescent lamp | 6 VDC/VAC | M2PJ-90A21-06 | --- | * |
| | 14 VDC/VAC | M2PJ-90A21-14 | M2PJ-90A22-14 | |
| | 28 VDC/VAC | M2PJ-90A21-28 | M2PJ-90A22-28 | |

Note: Enter the desired color symbols for the Display in (1) and (2). (R) = Red, (O) = Orange, (G) = Green, (W) = White.

Example: Red Upper M2PJ-90A21-24ERW
White Lower R W
Red White

* Incandescent lamps are supplied with colored plates (white, red, green, blue, and orange) and legend plates (milk-white and transparent). Use the appropriate combination.

Individual models: Refer to pages 6 to 8.
(The Display, Lamp, and Socket can be ordered separately.)

■ Specifications: Refer to the A3P.
■ Dimensions: Refer to page 11. Accessories: Refer to the A3P.

Ordering Information

Ordering as a Set.....The model numbers used to order sets of Units are given in the following tables. One set comprises the Display, Lamp, and Socket.

M2PA (Square) Single Screen Models



| Case color | | Black | Light gray | Display color symbol |
|-------------------|------------|-------------------|-------------------|----------------------|
| LED | 5 VDC | M2PA-90A11-05E(1) | M2PA-90A12-05E(1) | ROGW |
| | 12 VDC | M2PA-90A11-12E(1) | M2PA-90A12-12E(1) | |
| | 24 VDC | M2PA-90A11-24E(1) | M2PA-90A12-24E(1) | |
| Chameleon | 12 VDC | M2PA-90AG1-12EK | M2PA-90AG2-12EK | *1 |
| | 24 VDC | M2PA-90AG1-24EK | M2PA-90AG2-24EK | |
| Incandescent lamp | 6 VDC/VAC | M2PA-90A11-06 | M2PA-90A12-06 | *2 |
| | 14 VDC/VAC | M2PA-90A11-14 | M2PA-90A12-14 | |
| | 28 VDC/VAC | M2PA-90A11-28 | M2PA-90A12-28 | |

Note: Enter the desired color symbol for the Display in (1). (R) = Red, (O) = Orange, (G) = Green, (W) = White.

Example: Red M2PA-90A11-24ER

*1. You can change the screen colors of chameleon models between red, green, and orange, by changing the terminal wiring. Refer to page 14 for details.

*2. Incandescent lamps are supplied with colored plates (white, red, green, blue, and orange) and legend plates (milk-white and transparent). Use the appropriate combination.



| Case color | | Black | Light gray | Display color symbol |
|-------------------|------------|----------------------|----------------------|----------------------|
| LED | 24 VDC | M2PA-90A21-24E(1)(2) | M2PA-90A22-24E(1)(2) | ROGW |
| Incandescent lamp | 6 VDC/VAC | M2PA-90A21-06 | M2PA-90A22-06 | * |
| | 14 VDC/VAC | M2PA-90A21-14 | M2PA-90A22-14 | |
| | 28 VDC/VAC | M2PA-90A21-28 | M2PA-90A22-28 | |

Note: Enter the desired color symbols for the Display in (1) and (2). (R) = Red, (O) = Orange, (G) = Green, (W) = White.

Example: Red Upper M2PA-90D21-24ERW
White Lower Red White

* Incandescent lamps are supplied with colored plates (white, red, green, blue, and orange) and legend plates (milk-white and transparent). Use the appropriate combination.

M2PT (Round) Single Screen Models



| Case color | | Light gray | Display color symbol |
|-------------------|------------|-------------------|----------------------|
| LED | 5 VDC | M2PT-90A12-05C(1) | ROGW |
| | 12 VDC | M2PT-90A12-12C(1) | |
| | 24 VDC | M2PT-90A12-24C(1) | |
| Incandescent lamp | 28 VDC/VAC | M2PT-90A12-28 | * |

Note: Enter the desired color symbol for the Display in (1). (R) = Red, (O) = Orange, (G) = Green, (W) = White.

Example: Red M2PT-90A12-24CR

* Incandescent lamps are supplied with a colored plates (white, red, green, blue, and orange). Use the appropriate combination. Models A3PT and M2PT (round models), however, are not supplied with legend plates.

Individual models: Refer to pages 6 to 8.
(The Display, Lamp, and Socket can be ordered separately.)

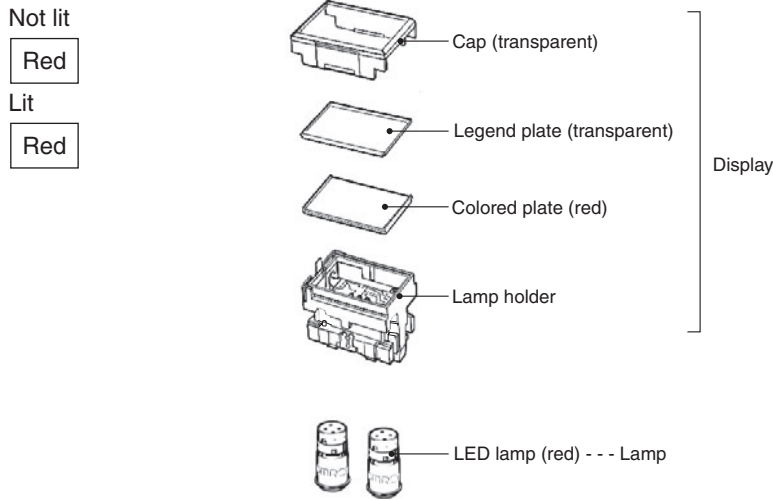
■ Specifications: Refer to the A3P.
■ Dimensions: Refer to page 11. Accessories: Refer to the A3P.

Ordering Information

Illumination-only and Colored-illumination LED Models

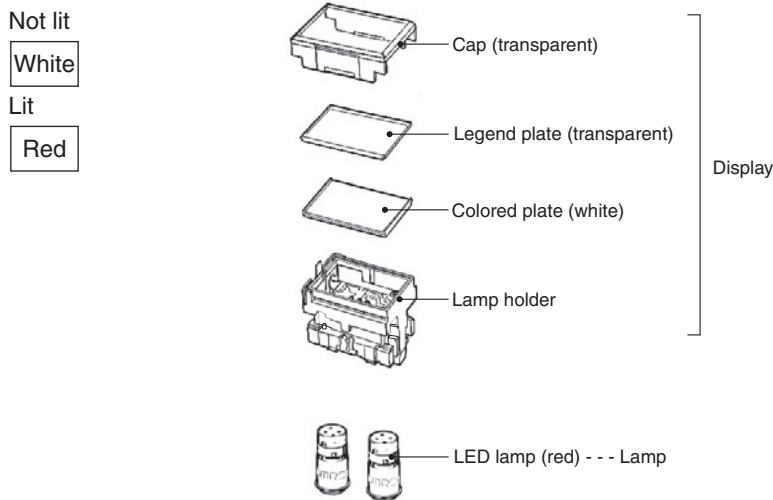
“Illumination only” describes LED models for which the screen color is the same whether the LED is lit or not. The screen simply becomes brighter when the LED lights.

Example: Red LED



“Colored illumination” describes LED models for which the screen color is white when the LED is not lit and changes to the color of the LED lamp when the LED is lit.

Example: Red LED



Ordering: For a colored-illumination Indicator, order the Display, Lamp, and Socket as shown in the following table.

| Display | Lamp | Socket |
|--|--|--|
| <ul style="list-style-type: none"> Select the LED lamp-lighted model required from the selection on page 7. Each assembly includes the number of white colored plates required to enable colored illumination for the corresponding screen-split configuration. For example, 4-split screen models includes 4 white colored plates. | <ul style="list-style-type: none"> Select the LED lamps to suit your desired coloration from the selection on page 8. Number of necessary LED lamps (standard): M2PJ (rectangular): 4 M2PA (square): 2 M2PT (round): 2 | <ul style="list-style-type: none"> Select from the Sockets on page 8. |

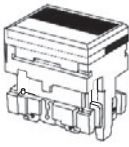
Ordering Information

Ordering Individually Displays, Lamps, and Sockets can be ordered separately. Combinations that are not available as sets can be created using individual Units. Also, store the parts as spares for maintenance and repairs.

LED-lighted/Chameleon Models (LED is built into the Display.)

Display

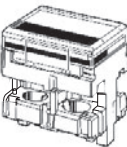
Round (M2PT) models not available.



- M2P□-5□□□-□□E
(for Indicator)

LED Lamp-lighted Models (LED lamp and Display are separate.)

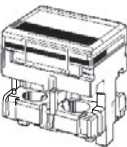
Display



- M2P□-502□
(for Indicator)

Incandescent Lamp-lighted Models (Incandescent lamp and Display are separate.)


Display



- M2P□-501□
(for Indicator)




Lamp (LED Lamp) *1



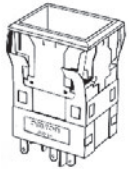
SLL-□□E□

Lamp (Incandescent Lamp) *2



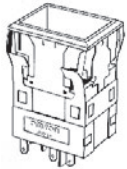
- Standard lamp: SLL-□□
- Low-power lamp: SLL-□□H

Socket *



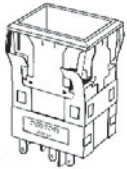
- M2P□-7□□□-□
(for Indicator)

Socket *



- M2P□-7□□□-□
(for Indicator)

Socket *



- M2P□-7□□□-□
(for Indicator)

* The Socket is compatible with LED-lighted, LED lamp-lighted, and incandescent lamp-lighted models.

*1. Number of necessary LED lamps.

| Screen pattern | M2PJ | M2PA | M2PT |
|---------------------------|------|------|------|
| Single screen | 4 | 2 | 2 |
| Horizontal 2-split screen | | 2 | --- |
| Vertical 2-split screen | | --- | --- |
| Vertical 3-split screen | | --- | --- |
| Horizontal 3-split screen | | --- | --- |
| 4-split screen | | --- | --- |

*2. Number of necessary incandescent lamps.

| Screen pattern | M2PJ | M2PA | M2PT |
|---------------------------|------------------------------------|------|------|
| Single screen | 2 | 1 | 2 |
| Horizontal 2-split screen | 4 (low-power incandescent lamp) | 2 | --- |
| Vertical 2-split screen | | --- | --- |
| Vertical 3-split screen | | --- | --- |
| Horizontal 3-split screen | | --- | --- |
| 4-split screen | --- | --- | --- |

Ordering set combinations: Refer to pages 3 to 4.

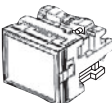





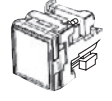





■ Specifications: Refer to the A3P.
■ Dimensions: Refer to page 11. Accessories: Refer to the A3P.

Ordering Information

Ordering IndividuallyDisplays, Lamps, and Sockets can be ordered separately. Combinations that are not available as sets can be created using individual Units. Also, store the parts as spares for maintenance and repairs.










Display

LED-lighted Models (LED is built-in.)

| Appearance | Split-screen color (color symbol) | White (W) | Red (R) | Green (G) | Orange (O) | Selection precautions | |
|---|-----------------------------------|---|---------------|---------------|---------------|-----------------------|---|
| Rectangular models  | Single screen |  | M2PJ-5701-□□E | M2PJ-5702-□□E | M2PJ-5703-□□E | M2PJ-5706-□□E | <ul style="list-style-type: none"> Enter the voltage to be used in the □□ at the end of the model number. Examples of voltage used: 5 V=0 5 E 12 V=1 2 E 24 V=2 4 E Horizontal 2-split screen models support only 24V. For the color of the shaded part, select the model according to the colors given at the top of the table. |
| | Horizontal 2- 2 split screen |  | M2PJ-5711-□□E | M2PJ-5712-□□E | M2PJ-5713-□□E | M2PJ-5716-□□E | |
| | |  | M2PJ-5721-□□E | M2PJ-5722-□□E | M2PJ-5723-□□E | M2PJ-5726-□□E | |
| | |  | M2PJ-5731-□□E | M2PJ-5732-□□E | M2PJ-5733-□□E | M2PJ-5736-□□E | |
| | |  | M2PJ-5741-□□E | M2PJ-5742-□□E | M2PJ-5743-□□E | M2PJ-5746-□□E | |
| Square models  | Single screen |  | M2PA-5701-□□E | M2PA-5702-□□E | M2PA-5703-□□E | M2PA-5706-□□E | |
| | Horizontal 2-split screen |  | M2PA-5711-□□E | M2PA-5712-□□E | M2PA-5713-□□E | M2PA-5716-□□E | |
| | |  | M2PA-5721-□□E | M2PA-5722-□□E | M2PA-5723-□□E | M2PA-5726-□□E | |
| | |  | M2PA-5731-□□E | M2PA-5732-□□E | M2PA-5733-□□E | M2PA-5736-□□E | |
| | |  | M2PA-5741-□□E | M2PA-5742-□□E | M2PA-5743-□□E | M2PA-5746-□□E | |

Note: 1. A cap, legend plate (transparent), colored plate, white plunger case, and LED (with a current-limiting resistor) are built into the standard lighting unit.
2. Split-screen coloring configurations are given with the "OMRON" mark on the Sockets facing down.

LED Lamp-lighted Models (LED is not built-in.)

| Model | Rectangular models | Square models | Round models | Selection precautions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---------------|---|-----------------------|---|-----------|--|----------------|-------|-----|-------|--------|---------------|---|---|---|---|---------------------------|---|---|---|---|---------------------------|---|---|---|---|-------------------------|---|---|---|---|-------------------------|---|---|---|---|----------------|---|---|---|---|
| Screen pattern | Screen | Model | Screen | Model | Screen | Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Single screen |  | M2PJ-5021 |  | M2PA-5021 |  | M2PT-5021 | <ul style="list-style-type: none"> Colored plates (white, red, green, and orange), a legend plate (transparent), and a light baffle (split-screen models only) are included. Use the appropriate combination for the LED coloring required. The number of white colored plates required to enable colored illumination for the corresponding screen-split configuration is included. (For example, 4-split screen models include 4 white colored plates). The number of colored plates included for each model are shown in the following table. <table border="1"> <thead> <tr> <th>Screen pattern</th> <th>White</th> <th>Red</th> <th>Green</th> <th>Orange</th> </tr> </thead> <tbody> <tr> <td>Single screen</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>Horizontal 2-split screen</td> <td>2</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>Horizontal 3-split screen</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Vertical 2-split screen</td> <td>2</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>Vertical 3-split screen</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>4-split screen</td> <td>4</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table> | Screen pattern | White | Red | Green | Orange | Single screen | 1 | 1 | 1 | 1 | Horizontal 2-split screen | 2 | 1 | 1 | 1 | Horizontal 3-split screen | 3 | 2 | 2 | 2 | Vertical 2-split screen | 2 | 1 | 1 | 1 | Vertical 3-split screen | 3 | 2 | 2 | 2 | 4-split screen | 4 | 1 | 1 | 1 |
| Screen pattern | White | Red | Green | Orange | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Single screen | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal 2-split screen | 2 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal 3-split screen | 3 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical 2-split screen | 2 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical 3-split screen | 3 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-split screen | 4 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal 2-split screen |  | M2PJ-5022 |  | M2PA-5022 | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical 2-split screen |  | M2PJ-5023 | --- | --- | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal 3-split screen |  | M2PJ-5024 | --- | --- | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical 3-split screen |  | M2PJ-5025 | --- | --- | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-split screen |  | M2PJ-5026 | --- | --- | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Ordering set combinations: Refer to pages 3 to 4.

■ Specifications: Refer to the A3P.

■ Dimensions: Refer to page 11. Accessories: Refer to the A3P.

Ordering Information

Ordering IndividuallyDisplays, Lamps, and Sockets can be ordered separately. Combinations that are not available as sets can be created using individual Units. Also, store the parts as spares for maintenance and repairs.

Display

Incandescent Lamp-lighted Models (Incandescent lamp is not built-in.)

| Model | Rectangular models | Square models | Round models | Selection precautions | | |
|---------------------------|--------------------|---------------|--------------|-----------------------|-------|-------------|
| Screen pattern | Screen | Model | Model | Model | Model | Model |
| Single screen | | M2PJ-5011 | | M2PA-5011 | | M2PT-5011 * |
| Horizontal 2-split screen | | M2PJ-5012 | | M2PA-5012 | --- | --- |
| Vertical 2-split screen | | M2PJ-5013 | --- | --- | --- | --- |
| Horizontal 3-split screen | | M2PJ-5014 | --- | --- | --- | --- |
| Vertical 3-split screen | | M2PJ-5015 | --- | --- | --- | --- |
| 4-split screen | | M2PJ-5016 | --- | --- | --- | --- |

• Colored plates (white, red, green, orange, and blue), a legend plate (transparent), and a light baffle (split-screen models only) are supplied.
* M2PT (round) models do not contain a legend plate.
• The number of colored plates supplied is shown in the following table.

| Screen pattern | White | Red | Green | Orange | Blue |
|---------------------------|-------|-----|-------|--------|------|
| Single screen | 1 | 1 | 1 | 1 | 1 |
| Horizontal 2-split screen | 1 | 1 | 1 | 1 | 1 |
| Vertical 2-split screen | 1 | 1 | 1 | 1 | 1 |
| Horizontal 3-split screen | 2 | 2 | 2 | 2 | 2 |
| Vertical 3-split screen | 2 | 2 | 2 | 2 | 2 |
| 4-split screen | 2 | 2 | 2 | 2 | 2 |

Chameleon Models (with Built-in LED)

| Shape | Rated voltage | Chameleon indicator |
|-------------|---------------|---------------------|
| Rectangular | 12 VDC | M2PJ-5800-12E |
| | 24 VDC | M2PJ-5800-24E |
| Square | 12 VDC | M2PA-5800-12E |
| | 24 VDC | M2PA-5800-24E |

Note: 1. With the chameleon models, the whole screen lights red, green, or orange (i.e., red and green simultaneously).
2. A cap, legend plate (transparent), white colored plate, and LED (with a current-limiting resistor) are built into the Display.

Lamp (For mounting, refer to the A3P.)

LED Lamp

| Color | Voltage | 5 VDC | 12 VDC | 24 VDC | Applicable cap (color) (colored plate) | Selection precautions |
|--------|---------|-----------------|-----------------|-----------------|---|--|
| | | Model (DC only) | Model (DC only) | Model (DC only) | | |
| Red | | SLL-05ER | SLL-12ER | SLL-24ER | Red | In the standard setup, 4 LED lamps are used with M2PJ models and 2 LED lamps are used with M2PA and M2PT models. |
| Yellow | | SLL-05EY | SLL-12EY | SLL-24EY | Orange | |
| Green | | SLL-05EG | SLL-12EG | SLL-24EG | Green | |
| White | | SLL-05EW | SLL-12EW | SLL-24EW | White | |

Incandescent Lamp

| Voltage | Lamp type | Standard lamp | Low-voltage lamp | Selection precautions |
|------------|-----------|---------------|------------------|---|
| 5 VAC/VDC | | SLL-06 | SLL-06H | <ul style="list-style-type: none"> In the standard setup for M2PJ models, 2 lamps are used with single screen models, and 4 lamps are used with split-screen models. If 3 or 4 lamps are lit continuously, use low-power lamps. In the standard setup for M2PA models, 1 lamp is used with single screen models, and 2 lamps are used with split-screen models. In the standard setup for M2PT models, 2 lamps are used. |
| 12 VAC/VDC | | SLL-14 | SLL-14H | |
| 24 VAC/VDC | | SLL-28 | SLL-28H | |

Socket (common to both incandescent lamp-lighted and LED-lighted models)

| Rectangular | Square | Round | Selection precautions |
|-------------|-------------|-------------|--|
| Model | Model | Model | |
| M2PJ-7010-1 | M2PA-7010-1 | M2PT-7010-2 | <ul style="list-style-type: none"> The end digit denotes the color of the flange: -1 denotes a black flange, and -2 denotes a light gray flange. Round switches are available only in light gray, and not in black. |

Ordering set combinations: Refer to pages 3 to 4.

■ Specifications: Refer to the A3P.

■ Dimensions: Refer to page 11. Accessories: Refer to the A3P.

Ordering Information

Accessories

Accessories are the same as those for the A3P Lighted Pushbutton Switches. Refer to the A3P.

LED and Incandescent Lamp Ratings and Characteristics

Ratings and characteristics the same as those for the A3P Lighted Pushbutton Switches. Refer to the A3P.

Approved Standard Ratings

UL (File No. E41515), CSA (File No. LR45258)

LED: 24 VDC max.

Incandescent lamp: 28 VAC/VDC, 1.2 W max.

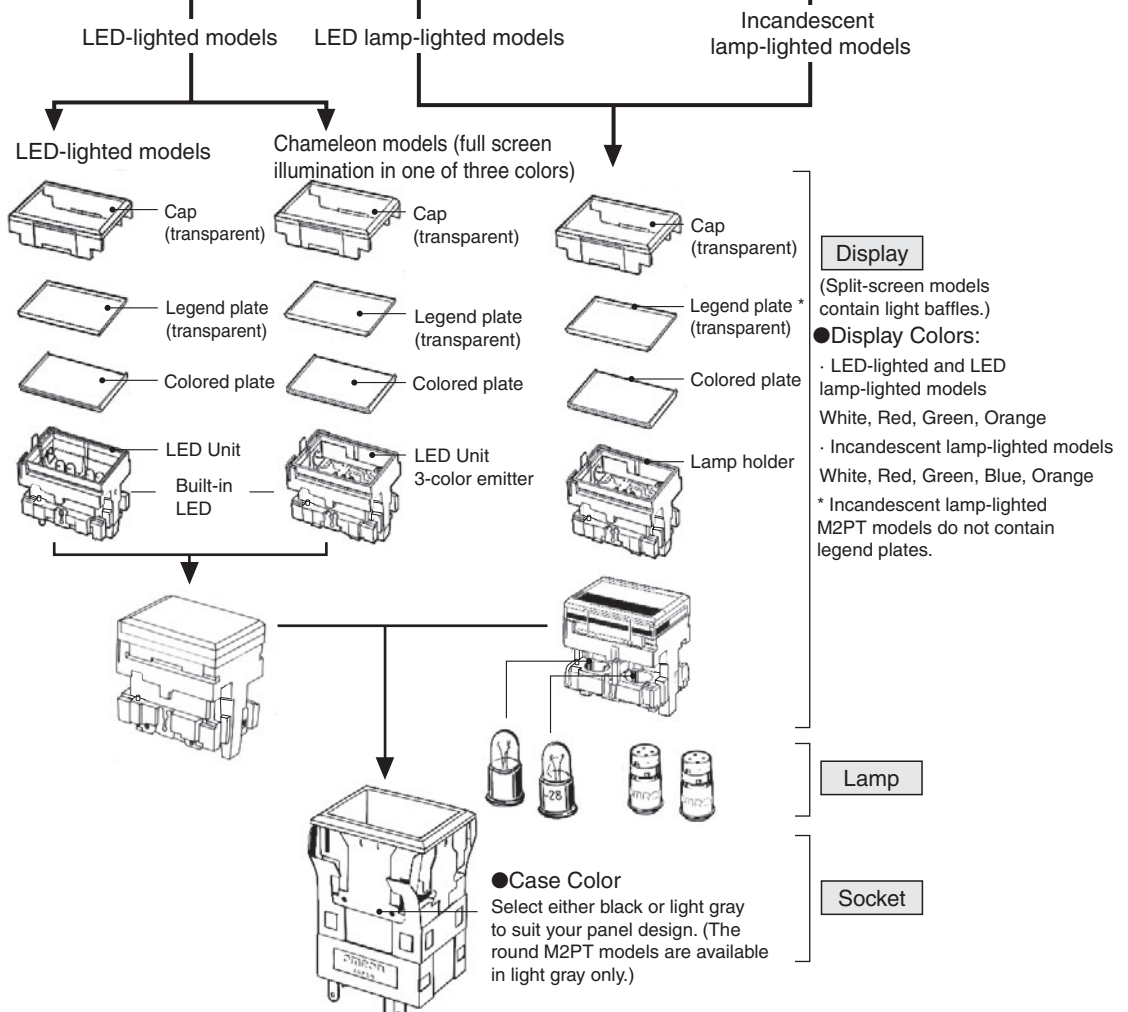
Note: Certification has been obtained for the Indicator.

For detailed information on individual products that have received certification, consult your supplier.

Nomenclature

Construction

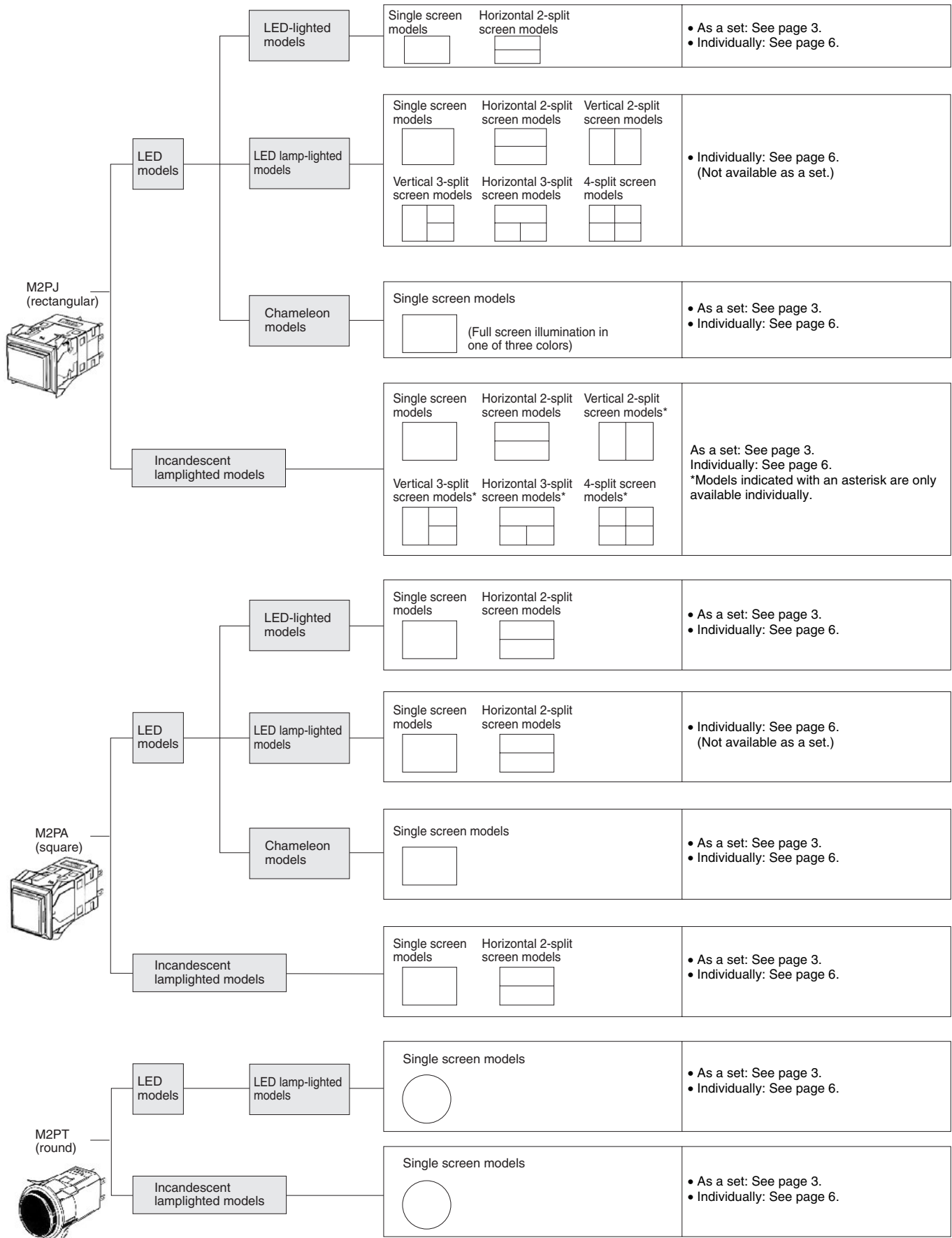
| Lighting method | LED-lighted models (LED is built-in.) | | LED lamp-lighted models (LED is not built-in.) | | | | Incandescent lamp-lighted models (Incandescent lamp is not built-in.) | | | |
|-----------------|---------------------------------------|-------------------------------|--|-------------------------------|-------------------------------|-------------------|---|-------------------------------|-------------------------------|-------------------|
| | M2PJ | M2PA | M2PJ | | M2PA | M2PT | M2PJ | | M2PA | M2PT |
| Screen pattern | Single screen | Single screen | Single screen | Vertical 3-split screen | Single screen | Single screen | Single screen | Vertical 3-split screen | Single screen | Single screen |
| | Horizontal 2-split screen | Horizontal 2-split screen | Horizontal 2-split screen | Horizontal 3-split screen | Horizontal 2-split screen | | Horizontal 2-split screen | Horizontal 3-split screen | Horizontal 2-split screen | |
| | Chameleon (3-color) | Chameleon (3-color) | Vertical 2-split screen | 4-split screen | | | Vertical 2-split screen | 4-split screen | | |
| | | | | | | | | | | |



Note: The above diagram for LED lamp-lighted and incandescent lamp-lighted models shows the M2PJ model.

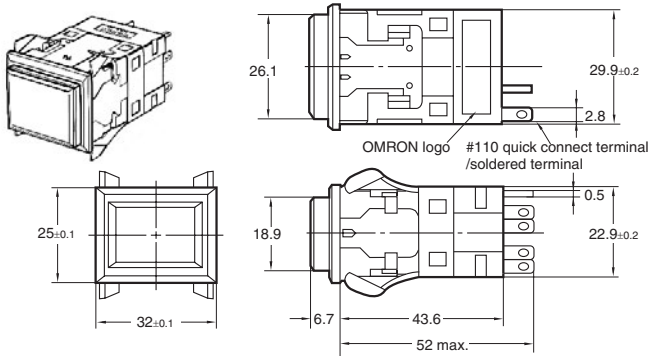
Nomenclature

M2P Lighting Method Diagram

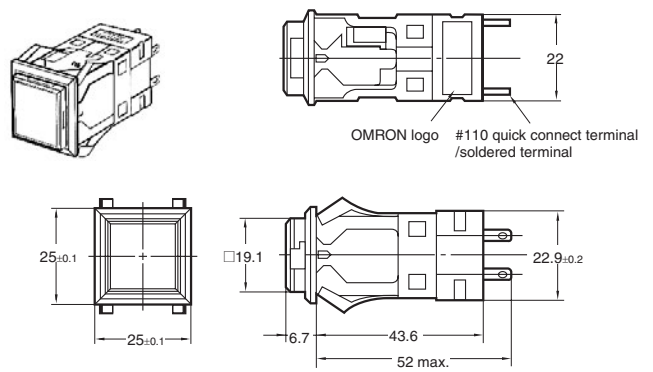


Dimensions

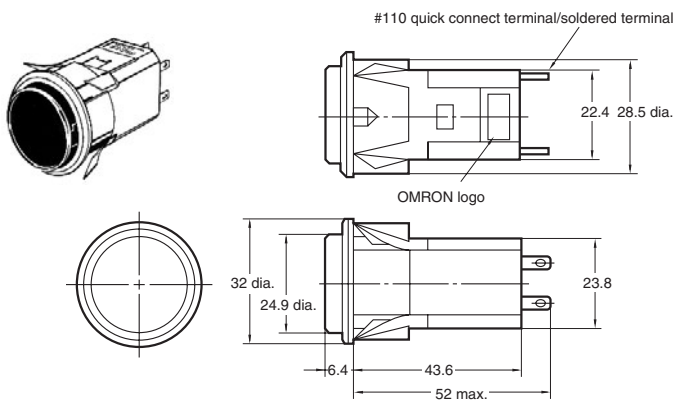
M2PJ (Rectangular) Models



M2PA (Square) Models



M2PT (Round) Models



Note: Use a panel thickness of 0.5 mm for tab terminals #110 and solder terminals.

Accessory Mounting Dimensions

Dimensions for mounting accessories are the same as those for the A3P Lighted Pushbutton Switches. Refer to the A3P.

Dimensions

Panel Cutout

M2PJ (Rectangular) Models

| Classification | Mounting design | Panel cutout | Remarks | |
|----------------------|----------------------------------|--|---------|---|
| Flange mount models | Individual mounting (Horizontal) | | | Panel cutout spacing between rows of Units: |
| | Multiple mounting (Horizontal) | | | |
| | Individual mounting (Vertical) | Mount to long mounting plate (A3PJ-3002) before use. | | |
| | Multiple mounting (Vertical) | Mount to long mounting plate (A3PJ-3002) before use. | | |
| Barrier mount models | Individual mounting (Horizontal) | | | For barrier mount models, refer to Accessories on the A3P. Panel cutout spacing between rows of Units: Dotted line indicates the position of each mounting barrier. |
| | Multiple mounting (Horizontal) | | | |
| | Individual mounting (Vertical) | Mount to long mounting plate (A3PJ-3002) before use. | | |
| | Multiple mounting (Vertical) | Mount to long mounting plate (A3PJ-3002) before use. | | |

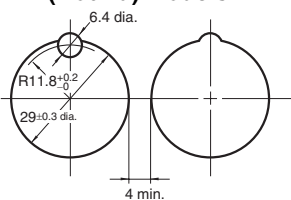
- Note: 1. n: Number of Units
 2. Recommended panel thickness: 1 to 5 mm
 3. Mount the panel before mounting the Switch Guard.
 4. If the panel is to be finished (e.g., coated), make sure that the panel meets the specified dimensions after the coating.

M2PA (Square) Models

| Classification | Mounting design | Panel cutout | Remarks | |
|----------------------|---------------------|--------------|---------|---|
| Flange mount models | Individual mounting | | | Panel cutout spacing between rows of Units: |
| | Multiple mounting | | | |
| Barrier mount models | Individual mounting | | | Panel cutout spacing between rows of Units: Dotted line indicates the position of each mounting barrier. |
| | Multiple mounting | | | |

- Note: 1. n: Number of Units
 2. Recommended panel thickness: 1 to 5 mm
 3. If the panel is to be finished (e.g., coated), make sure that the panel meets the specified dimensions after the coating.



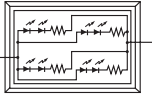

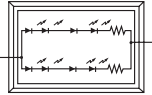
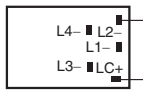
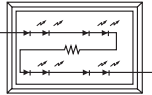

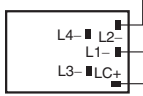
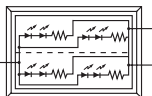
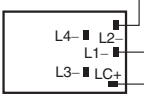
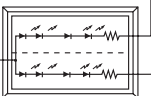

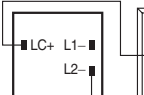
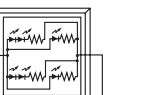

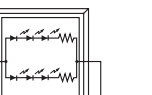

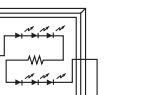

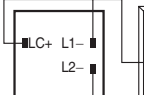
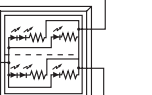
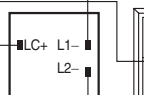
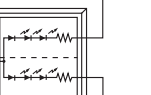
M2PT (Round) Models



- Note: 1. Recommended panel thickness: 1 to 5 mm
 2. If the panel is to be finished (e.g., coated), make sure that the panel meets the specified dimensions after the coating

Dimensions

Terminal connections
LED-lighted Models

| Rated voltage | | 5 VDC | | 12 VDC | | 24 VDC | |
|---------------|---|--|---|---|--|--|---|
| Model | Screen pattern | | | | | | |
| M2PJ | Single screen  | BOTTOM VIEW  | TOP VIEW  | BOTTOM VIEW  | TOP VIEW  | BOTTOM VIEW  | TOP VIEW  |
| | 2-split screen  | BOTTOM VIEW  | TOP VIEW  | BOTTOM VIEW  | | TOP VIEW  | |
| M2PA | Single screen  | BOTTOM VIEW  | TOP VIEW  | BOTTOM VIEW  | TOP VIEW  | BOTTOM VIEW  | TOP VIEW  |
| | 2-split screen  | BOTTOM VIEW  | TOP VIEW  | BOTTOM VIEW  | | TOP VIEW  | |

Incandescent Lamp-lighted/LED Lamp-lighted Models

(All are shown with the OMRON logo facing down. The terminal arrangements are the same as for the LED-lighted models.)

| Type | Model | Rectangular M2PJ models | Square M2PA models | Round M2PT models |
|-----------|-------|-------------------------|----------------------|----------------------|
| Indicator | | BOTTOM VIEW | BOTTOM VIEW | BOTTOM VIEW |
| | | TOP VIEW | TOP VIEW | TOP VIEW |
| | | Terminal arrangement | Terminal arrangement | Terminal arrangement |
| | | Lighting block | Lighting block | Lighting block |

LED Chameleon Models

| Rated voltage | 24 VDC |
|------------------------|--------|
| Model | |
| Rectangular M2PJ model | |
| Square M2PA model | |

Terminal Arrangement and Coloring Chameleon Models

| | | | |
|----------|-------|-----|--------------------|
| Wiring | LC+ | LC+ | LC+ |
| | L1- | L2- | L1- and L2-shorted |
| Coloring | Green | Red | Orange |

Safety Precautions

Refer to *Safety Precautions for All Pushbutton Switches* and *Safety Precautions for the A3P*.

Read and Understand This Catalog

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Disclaimers

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Product specifications and accessories may be changed at any time based on improvements and other reasons.

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DIMENSIONS AND WEIGHTS

Dimensions and weights are nominal and are not to be used for manufacturing purposes, even when tolerances are shown.

PERFORMANCE DATA

Performance data given in this catalog is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of OMRON's test conditions, and the users must correlate it to actual application requirements. Actual performance is subject to the OMRON Warranty and Limitations of Liability.

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2010.11

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Industrial Automation Company

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