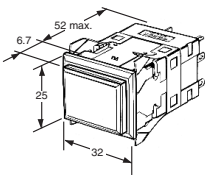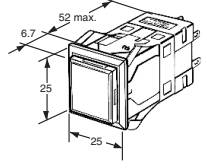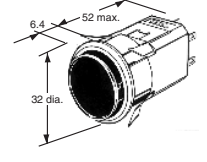## Large Rectangular-bodied Indicators

• Excellent illumination with even surface brightness.
• Three-color models (green, orange, red; chameleon lighting) included in lineup.
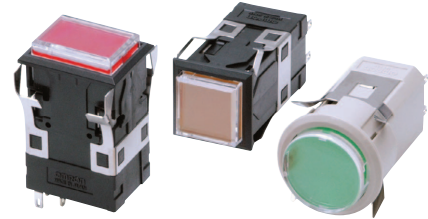
⚠ Refer to *Safety Precautions for All Pushbutton Switches/ Indicators* and *Safety Precautions* of A3P.
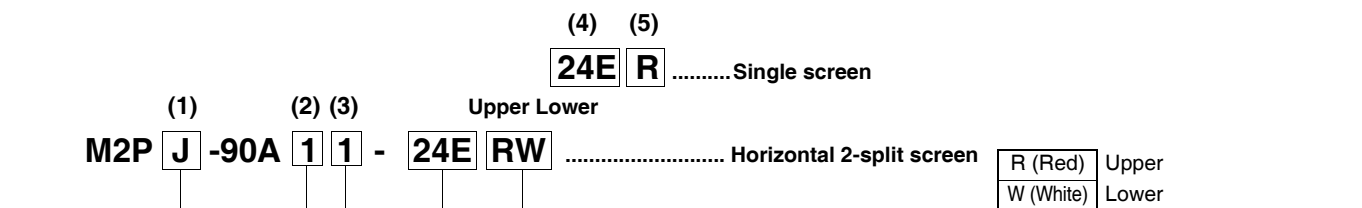
List of Models

Model	Appearance
M2PJ (Rectangular)	52 max. 6.7 25 32
M2PA (Square)	52 max. 6.7 25 25
M2PT (Round)	6.4 52 max. 32 dia.

■ 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*.

(4) (5)

24E R ....Single screen

(1)   (2) (3)   Upper Lower

M2P J -90A 1 1 - 24E RW .... Horizontal 2-split screen

| R (Red) | Upper |
| W (White) | Lower |

(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.

Vertical 2-split screen models   4-split screen models

Horizontal 3-split screen models   Vertical 3-split screen models

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:

Unlit   Lit

White   Color
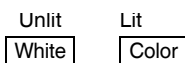
The built-in LED is colored.

(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 VAC/VDC
24E	24 VAC/VDC

Note: DC rated voltage only for 2-split screen models.

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

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 Vertical 3-split screen 4-split screen	4 *2	---	---

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.

(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)

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

Rectangular
(Single Screen)

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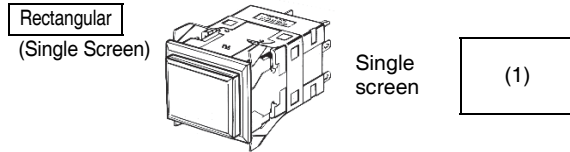
Case color / Lighting method		Black	Light gray	Display color symbol
LED	5 VDC	M2PJ-90A11-05E(1)	M2PJ-90A12-05E(1)	R O G W
	12 VAC/VDC	M2PJ-90A11-12E(1)	M2PJ-90A12-12E(1)	
	24 VAC/VDC	M2PJ-90A11-24E(1)	M2PJ-90A12-24E(1)	
Chameleon	12 VDC	M2PJ-90AG1-12EK	M2PJ-90AG2-12EK	*1
	24 VDC	M2PJ-90AG1-24EK	M2PJ-90AG2-24EK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

*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.

Rectangular
(Single Screen)

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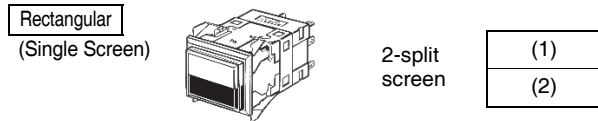
Case color / Lighting method		Black	Light gray	Display color symbol
LED	24 VDC	M2PJ-90A21-24E(1)(2)	M2PJ-90A22-24E(1)(2)	R O G W
Incandescent lamp	6 VAC/VDC	M2PJ-90A21-06	---	*
	14 VAC/VDC	M2PJ-90A21-14	M2PJ-90A22-14	
	28 VAC/VDC	M2PJ-90A21-28	M2PJ-90A22-28	

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-90A21-24E R W
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.

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

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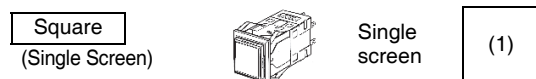
Lighting method	Case color	Black	Light gray	Display color symbol
LED	5 VDC	M2PA-90A11-05E(1)	M2PA-90A12-05E(1)	ROGW
	12 VAC/VDC	M2PA-90A11-12E(1)	M2PA-90A12-12E(1)	
	24 VAC/VDC	M2PA-90A11-24E(1)	M2PA-90A12-24E(1)	
Chameleon	12 VDC	M2PA-90AG1-12EK	---	*1
	24 VDC	M2PA-90AG1-24EK	M2PA-90AG2-24EK	
Incandescent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

*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.

Square		2-split screen	(1)
(Horizontal 2-split screen)			(2)
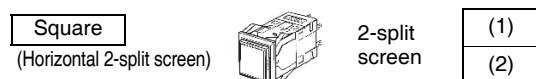
Lighting method	Case color	Black	Light gray	Display color symbol
LED	24 VDC	M2PA-90A21-24E(1)(2)	M2PA-90A22-24E(1)(2)	R O G W
Incandescent lamp	6 VAC/VDC	M2PA-90A21-06	M2PA-90A22-06	*
	14 VAC/VDC	M2PA-90A21-14	M2PA-90A22-14	
	28 VAC/VDC	M2PA-90A21-28	M2PA-90A22-28	

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

Example: Red Upper / White Lower   M2PA-90D21-24E 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.

M2PT (Round) Single Screen Models

Round		Single screen	(1)
(Single Screen)			

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

* 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.
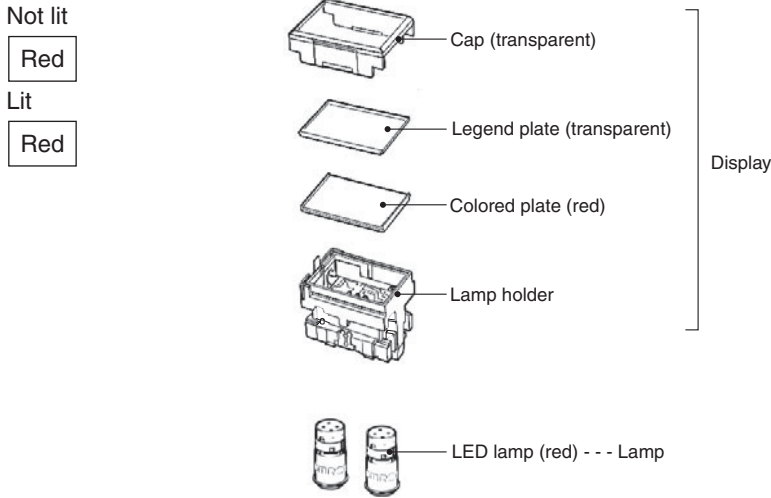(The Display, Lamp, and Socket can be ordered separately.)

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

Ordering Information
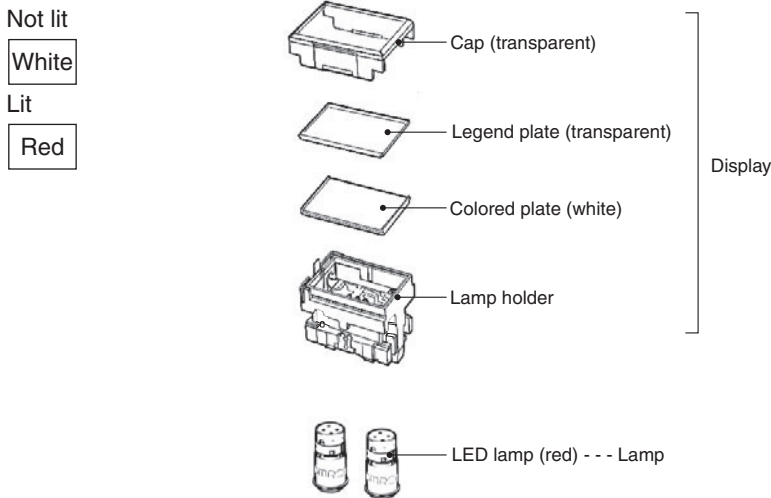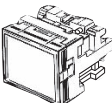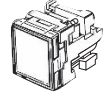
Illumination-only and Colored-illumination LED Models

"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

Not lit

| Red |

Lit

| Red |

Cap (transparent)

Legend plate (transparent)

Colored plate (red)

Lamp holder

Display

LED lamp (red) - - - Lamp

"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

Not lit

| White |

Lit

| Red |

Cap (transparent)

Legend plate (transparent)

Colored plate (white)

Lamp holder

Display

LED lamp (red) - - - Lamp

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

Display	Lamp	Socket
• 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.	• 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	• Select from the Sockets on page 8.
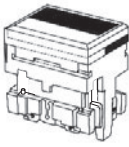
Ordering Information

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.)
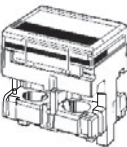
Display
Round (M2PT) models not available.
• M2P□-5□□□-□□E (for Indicator)

LED Lamp-lighted Models
(LED lamp and Display are separate.)
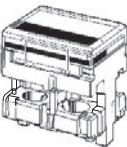
Display
• M2P□-502□ (for Indicator)

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

Display
• M2P□-501□ (for Indicator)

Lamp (LED Lamp) *1
SLL-□□E□
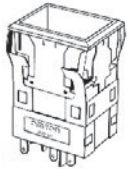
Lamp (Incandescent Lamp) *2
• Standard lamp: SLL-□□
• Low-power lamp: SLL-□□H
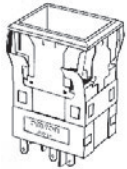
Socket *
• M2P□-7□□□-□ (for Indicator)
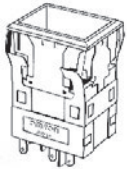
Socket *
• M2P□-7□□□-□ (for Indicator)

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		2	2
Horizontal 2-split screen		2	---
Vertical 2-split screen	4	---	---
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 in-candes-cent 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 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.

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	• 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	White	M2PJ-5711-▢▢E	M2PJ-5712-▢▢E	M2PJ-5713-▢▢E	M2PJ-5716-▢▢E	
		Red	M2PJ-5721-▢▢E	M2PJ-5722-▢▢E	M2PJ-5723-▢▢E	M2PJ-5726-▢▢E	
		Green	M2PJ-5731-▢▢E	M2PJ-5732-▢▢E	M2PJ-5733-▢▢E	M2PJ-5736-▢▢E	
		Orange	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	White	M2PA-5711-▢▢E	M2PA-5712-▢▢E	M2PA-5713-▢▢E	M2PA-5716-▢▢E	
		Red	M2PA-5721-▢▢E	M2PA-5722-▢▢E	M2PA-5723-▢▢E	M2PA-5726-▢▢E	
		Green	M2PA-5731-▢▢E	M2PA-5732-▢▢E	M2PA-5733-▢▢E	M2PA-5736-▢▢E	
		Orange	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	Rectan-gular models		Square models		Round models		Selection precautions
Screen pattern	Screen	Model	Screen	Model	Screen	Model	
Single screen	▢	M2PJ-5021	▢	M2PA-5021	◯	M2PT-5021	• 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.
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		---		---	

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

* The following types of colored plates are included with Horizontal and Vertical 3-splitScreen Switches.
White: One colored plate for a 2-split screen and two colored plates for a 4-split screen.
Red, green, or orange: One colored plate for a 2-split screen and one colored plates for a 4-split screen.

Ordering set combinations: Refer to pages 3 to 4.

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.

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	---		---		

Selection precautions:
- 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 Vertical 2-split screen	1	1	1	1	1
Horizontal 3-split screen Vertical 3-split screen *	2	2	2	2	2
4-split screen	2	2	2	2	2

* The following types of colored plates are included with Horizontal and Vertical 3-splitScreen Switches.
All colors: One colored plate for a 2-split screen and one colored plate for a 4-split screen.

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

	Voltage	5 VDC	12 VDC	24 VDC	Applicable cap (color) (colored plate)	Selection precautions
Color		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	• 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.
12 VAC/VDC		SLL-14	SLL-14H	• In the standard setup for M2PA models, 1 lamp is used with single screen models, and 2 lamps are used with split-screen models.
24 VAC/VDC		SLL-28	SLL-28H	• In the standard setup for M2PT models, 2 lamps are used.

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		• 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.

■ Specifications: Refer to the A3P.

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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.

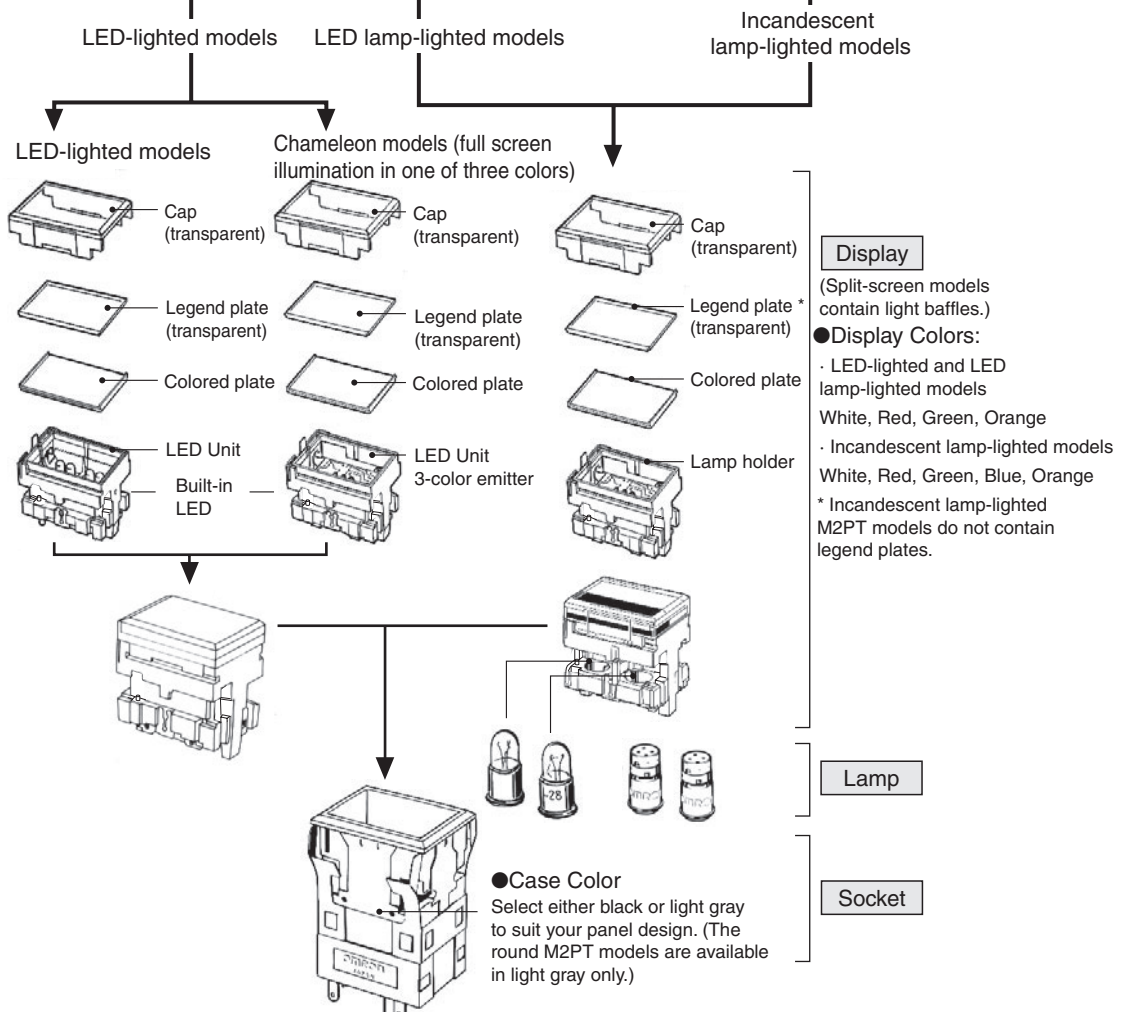Incandescent lamp: 28 VAC/VDC,1.2 W max.

Note: Certification has been obtained for the Indicator. For detailed information on individual products that have received certification, consult your supplier.
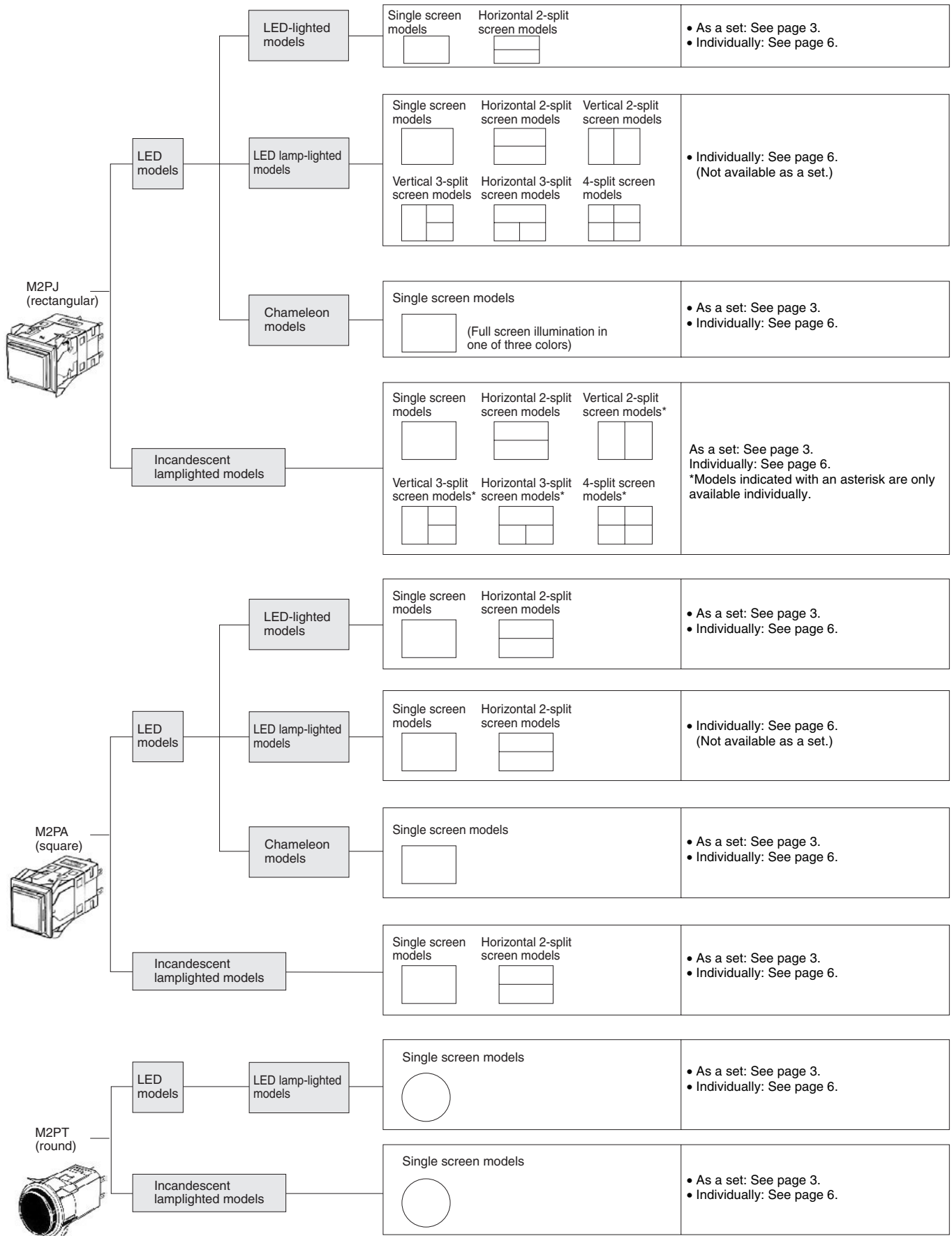
Nomenclature

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.)		
Models	M2PJ	M2PA	M2PJ		M2PA	M2PT	M2PJ		M2PA	M2PT
Screen pattern	Single screen / Horizontal 2-split screen / Chameleon (3-color)	Single screen / Horizontal 2-split screen / Chameleon (3-color)	Single screen / Horizontal 2-split screen / Vertical 2-split screen	Vertical 3-split screen / Horizontal 3-split screen / 4-split screen	Single screen / Horizontal 2-split screen	Single screen	Single screen / Horizontal 2-split screen / Vertical 2-split screen	Vertical 3-split screen / Horizontal 3-split screen / 4-split screen	Single screen / Horizontal 2-split screen	Single screen

LED-lighted models   LED lamp-lighted models   Incandescent lamp-lighted models

LED-lighted models

Chameleon models (full screen illumination in one of three colors)

Cap (transparent)

Legend plate (transparent)

Colored plate

LED Unit / Built-in LED

Cap (transparent)

Legend plate (transparent)

Colored plate

LED Unit 3-color emitter

Cap (transparent)

Legend plate * (transparent)

Colored plate

Lamp holder

Display

(Split-screen models contain light baffles.)

● Display Colors:

· LED-lighted and LED lamp-lighted models
White, Red, Green, Orange

· Incandescent lamp-lighted models
White, Red, Green, Blue, Orange

* Incandescent lamp-lighted M2PT models do not contain legend plates.

Lamp

● Case Color
Select either black or light gray to suit your panel design. (The round M2PT models are available in light gray only.)

Socket

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

Nomenclature

M2P Lighting Method Diagram
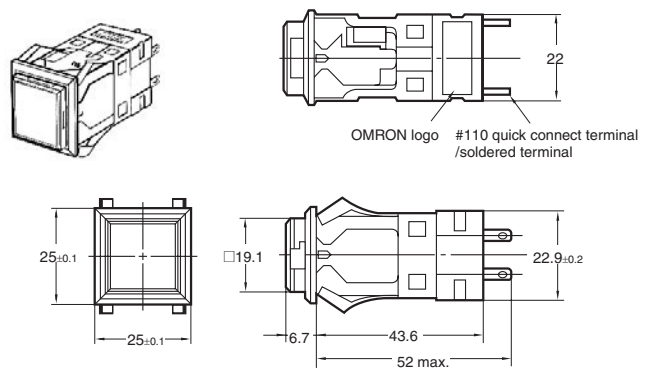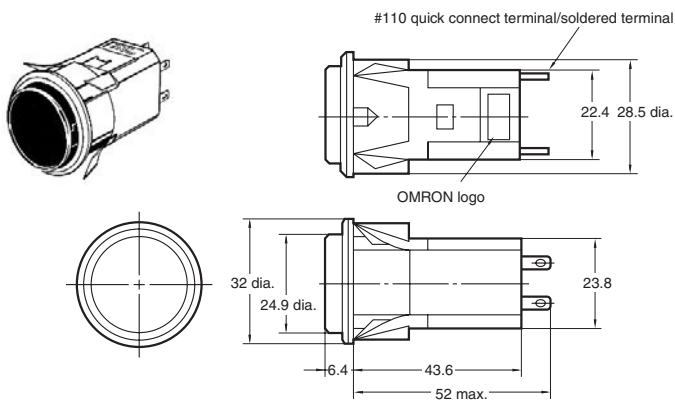
M2PJ (rectangular)

LED-lighted models	Single screen models / Horizontal 2-split screen models	• As a set: See page 3. • Individually: See page 6.

LED models → LED lamp-lighted models

Single screen models / Horizontal 2-split screen models / Vertical 2-split screen models

Vertical 3-split screen models / Horizontal 3-split screen models / 4-split screen models

• Individually: See page 6.
(Not available as a set.)

Chameleon models

Single screen models (Full screen illumination in one of three colors)

• As a set: See page 3.
• Individually: See page 6.

Incandescent lamplighted models

Single screen models / Horizontal 2-split screen models / Vertical 2-split screen models*

Vertical 3-split screen models* / Horizontal 3-split screen models* / 4-split screen models*

As a set: See page 3.
Individually: See page 6.
*Models indicated with an asterisk are only available individually.

M2PA (square)

LED models → LED-lighted models

Single screen models / Horizontal 2-split screen models

• As a set: See page 3.
• Individually: See page 6.

LED lamp-lighted models

Single screen models / Horizontal 2-split screen models

• Individually: See page 6.
(Not available as a set.)

Chameleon models

Single screen models

• As a set: See page 3.
• Individually: See page 6.

Incandescent lamplighted models

Single screen models / Horizontal 2-split screen models

• As a set: See page 3.
• Individually: See page 6.

M2PT (round)

LED models → LED lamp-lighted models

Single screen models

• As a set: See page 3.
• Individually: See page 6.

Incandescent lamplighted models

Single screen models

• As a set: See page 3.
• Individually: See page 6.

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Dimensions

(Unit: mm)

M2PJ (Rectangular) Models

26.1

29.9±0.2

2.8

OMRON logo   #110 quick connect terminal /soldered terminal

25±0.1   18.9   0.5   22.9±0.2

32±0.1   6.7   43.6

52 max.

M2PA (Square) Models

22

OMRON logo   #110 quick connect terminal /soldered terminal

25±0.1   □19.1   22.9±0.2

25±0.1   6.7   43.6

52 max.

M2PT (Round) Models

#110 quick connect terminal/soldered terminal

22.4   28.5 dia.

OMRON logo

32 dia.   23.8

24.9 dia.

6.4   43.6

52 max.

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)	25±0.1 / 32±0.1	30.5±0.3 / 23.5±0.3	Panel cutout spacing between rows of Units:
	Multiple mounting (Horizontal)	25±0.1 1 2 n 32n±0.5	32n-1.5±0.3 / 23.5±0.3	
	Individual mounting (Vertical)	32±0.1 / 25±0.1 Mount to long mounting plate (A3PJ-3002) before use.	23.5±0.3 / 30.5±0.3	
	Multiple mounting (Vertical)	32±0.1 1 2 n 25n±0.5 Mount to long mounting plate (A3PJ-3002) before use.	25n-1.5±0.3 / 30.5±0.3	
Barrier mount models	Individual mounting (Horizontal)	27 / 39	36.4±0.3 / 23.5±0.3	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)	27 1 2 n 33n+6±1	32.9n+3.5±0.3 / 23.5±0.3	
	Individual mounting (Vertical)	34 / 32±0.1 Mount to long mounting plate (A3PJ-3002) before use.	29.4±0.3 / 30.5±0.3	
	Multiple mounting (Vertical)	34 1 2 n 26n+6±1 Mount to long mounting plate (A3PJ-3002) before use.	25.9n+3.5±0.3 / 30.5±0.3	

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	25±0.1 / 25±0.1	23.5±0.3 / 22.5±0.3	Panel cutout spacing between rows of Units:
	Multiple mounting	25±0.1 1 2 n 25n±0.1	23.5±0.3 / 25n-2.5±0.3	
Barrier mount models	Individual mounting	27 / 32	23.5±0.3 / 27.8±0.3	Panel cutout spacing between rows of Units: Dotted line indicates the position of each mounting barrier.
	Multiple mounting	27 1 2 n 26n+6.5±1	23.5±0.3 / 26n+2.5±0.3	

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.
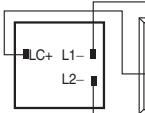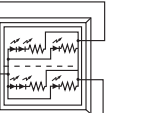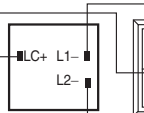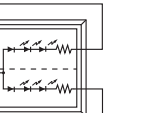
M2PT (Round) Models

6.4 dia.
R11.8 +0.2 / −0
29±0.3 dia.
4 min.
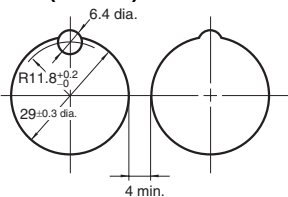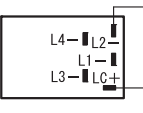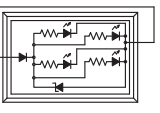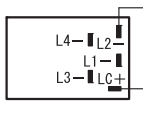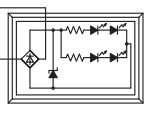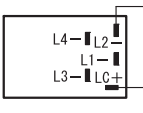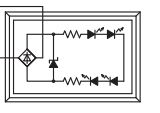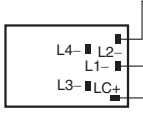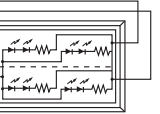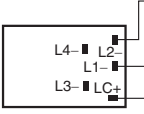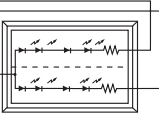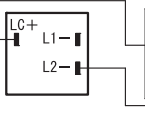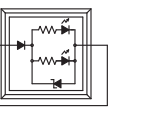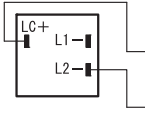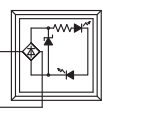
Note: 1. Recommended panel thickness: 1 to 5 mm
2. If the panel is to be finished (e.g., coated), make sure that the panel meets the specified dimensions after the coating

Dimensions

Terminal connections
LED-lighted Models

Rated voltage		5 VDC	12 VAC/VDC	24 VAC/VDC
Model	Screen pattern			
M2PJ	Single screen	BOTTOM VIEW / TOP VIEW — L4, L2, L1, L3, LC+ — Terminal arrangement / Lighting block	BOTTOM VIEW / TOP VIEW — L4, L2, L1, L3, LC+ — Terminal arrangement / Lighting block	BOTTOM VIEW / TOP VIEW — L4, L2, L1, L3, LC+ — Terminal arrangement / Lighting block
	2-split screen	BOTTOM VIEW / TOP VIEW — L4, L2, L1, L3, LC+ — Terminal arrangement / Lighting block	BOTTOM VIEW / TOP VIEW — L4, L2, L1, L3, LC+ — Terminal arrangement / Lighting block	
M2PA	Single screen	BOTTOM VIEW / TOP VIEW — LC+, L1, L2 — Terminal arrangement / Lighting block	BOTTOM VIEW / TOP VIEW — LC+, L1, L2 — Terminal arrangement / Lighting block	
	2-split screen	BOTTOM VIEW / TOP VIEW — LC+, L1, L2 — Terminal arrangement / Lighting block	BOTTOM VIEW / TOP VIEW — LC+, L1, L2 — Terminal arrangement / Lighting block	

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.)

	Rectangular M2PJ models	Square M2PA models	Round M2PT models
Indicator	BOTTOM VIEW TOP VIEW Terminal arrangement Lighting block	BOTTOM VIEW TOP VIEW Terminal arrangement Lighting block	BOTTOM VIEW TOP VIEW Terminal arrangement Lighting block

The Model/Type header spans: Model / Type.

LED Chameleon Models

Model \ Rated voltage	24 VDC
Rectangular M2PJ model	
Square M2PA model	

Terminal Arrangement and Coloring
Chameleon Models

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

Safety Precautions

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

Terms and Conditions Agreement

2019.11

In the interest of product improvement, specifications are subject to change without notice.

OMRON Corporation
Industrial Automation Company

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