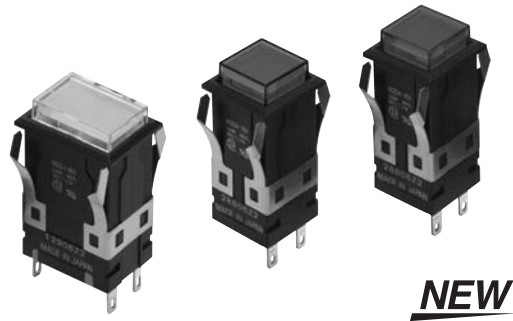


Indicator (Square) Ultra Bright LED Type M2S

Indicator Series with Square 40-mm Body.

New models added with Ultra LEDs.

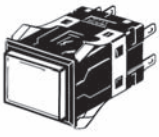
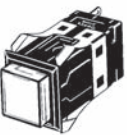
- New models with ultra bright LEDs added to singlescreen models.
 - Previous models not changed.
- Line up of models in seven colors (the previous red, orange, green, and white models, and the new yellow, blue, and pure white models).



 Refer to *Safety Precautions for All Pushbutton Switches/Indicators* and *Safety Precautions* in the A3S datasheet.

List of Models

Indicators

Appearance	Model
Rectangular 	M2SJ
Square 	M2SA

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 Unit.
For information on combinations, refer to *Ordering Information* on page 3.

(1)

M 2 S

J

(2)

- 9 0 A

1

(3)

- 2 4 S

(4)

R

(1) Shape of Display

Symbol	Shape
J	Rectangular
A	Square

(2) Screen Pattern

Illumination-only models

Symbol	Screen pattern
1	Single screen

(3) Lighting Method

LED-lighted Models

Symbol	Rated voltage
05S	5 VDC
12S	12 VAC/VDC
24S	24 VAC/VDC

(4) Color of Operation Unit

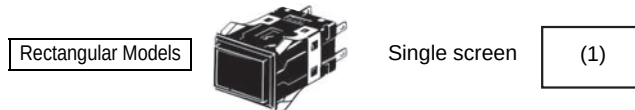
Symbol	Color
R	Red
Y	Yellow
G	Green
W	White
O	Orange
A	Blue
PW	Pure White

Color of screen	Symbol	R	Y	G	W	O	A	PW
	Color	Red	Yellow	Green	White	Orange	Blue	Pure White
Color of plate		Red	Yellow	Green	White	Orange	Blue	White
LED		Red	Pure White	Green	Amber	Orange	Blue	Pure White

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 Operation Unit, Lamp, and Socket Unit.

Rectangular M2SJ

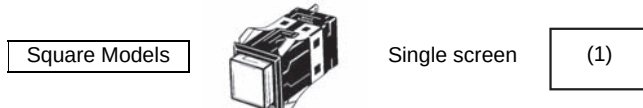


Case color		Black	Lamp holder color symbol (color)
Lighting method			
LED lamp	5 VDC	M2SJ-90A1-05S(1)	R, O, G, W, Y, A, or PW
	12 VAC/DC	M2SJ-90A1-12S(1)	
	24 VAC/DC	M2SJ-90A1-24S(1)	

Note: Enter the desired color symbol for the Pushbutton in (1). (R) = Red, (O) = Orange, (G) = Green, (W) = White, (Y) = Yellow, (A) = Blue, (PW) = Pure White.

Example: Red M2SJ-90A1-24S(R)

Square M2SA



Case color		Black	Lamp holder color symbol (color)
Lighting method			
LED lamp	5 VDC	M2SA-90A1-05S(1)	R, O, G, W, Y, A, or PW
	12 VAC/DC	M2SA-90A1-12S(1)	
	24 VAC/DC	M2SA-90A1-24S(1)	

Note: Enter the desired color symbol for the Pushbutton in (1). (R) = Red, (O) = Orange, (G) = Green, (W) = White, (Y) = Yellow, (A) = Blue, (PW) = Pure White.

Example: Red M2SA-90A1-24S(R)

Accessories, Replacements, and Tools

The accessories, replacements, and tools are the same as those for the A3S. Refer to the A3S datasheet.

Specifications

Approved Standard Ratings

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

LED: 24 VDC max.

Note: Certification has been obtained for the Indicator.

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

Ratings

Ambient operating temperature	−10 to 50°C (with no icing or condensation)
Ambient operating humidity	35% to 85%RH
Ambient storage temperature	−25 to 65°C (with no icing or condensation)

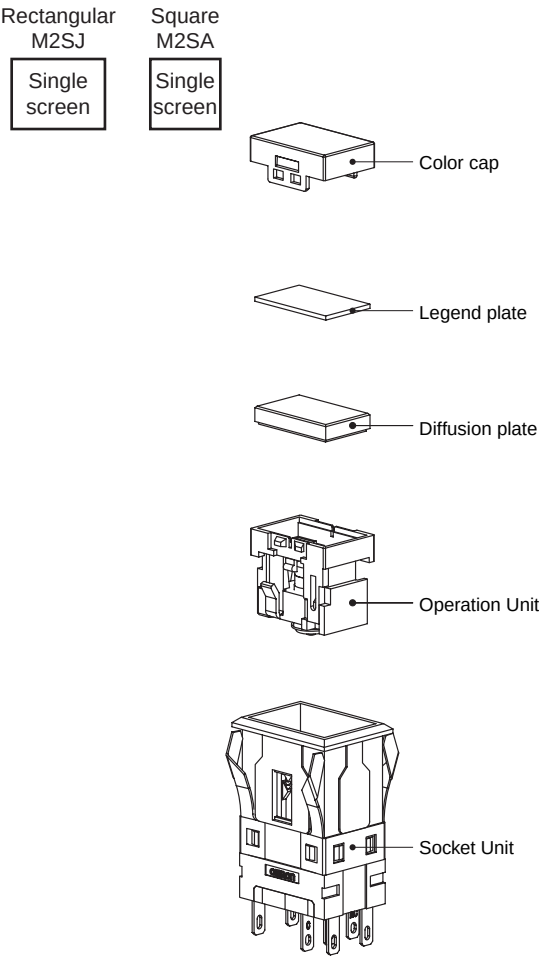
LED Lamp Ratings

Operating voltage	Rated voltage	Rated current
5 VDC ±5%	5 VDC	8 mA
12 VAC/VDC ±5%	12 VAC/VDC	
24 VAC/VDC ±5%	24 VAC/VDC	

M2S

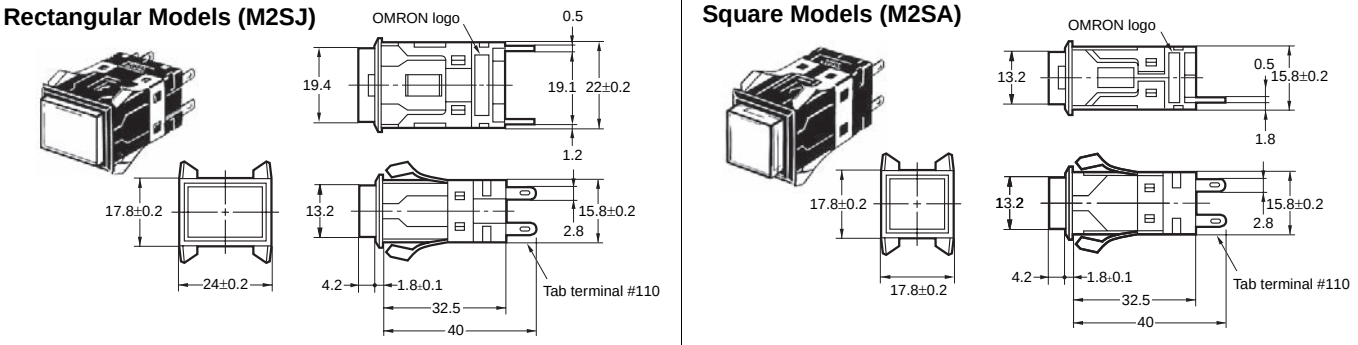
Nomenclature

Model Structure



Dimensions

(Unit: mm)



Note: Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions. Recommended panel thickness: 1 to 4 mm

Terminal Connections (All are shown with the OMRON logo facing down.)

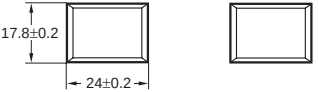
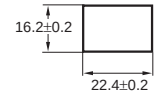
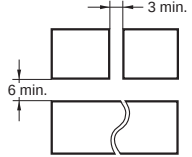
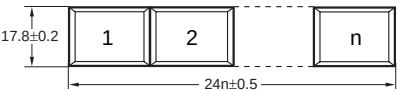
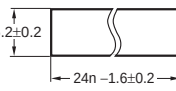
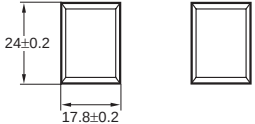
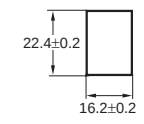
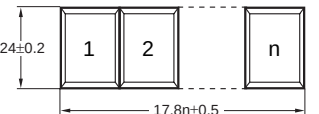
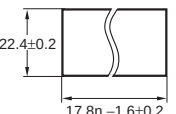
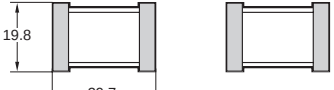
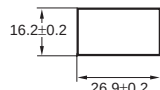
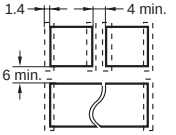
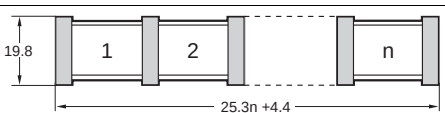
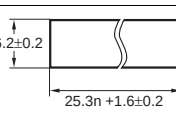
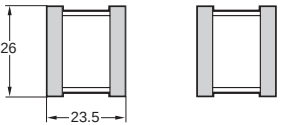
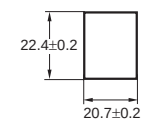
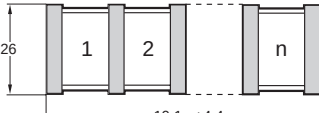
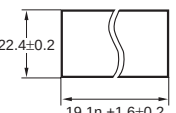
LED-lighted Models

Type	Model	Rectangular Models (M2SJ)		Square Models (M2SA)	
Indicator		Bottom View	Top View	Bottom View	Top View
		Terminal arrangement	Lighting block	Terminal arrangement	Lighting block

Dimensions

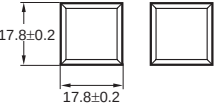
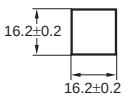
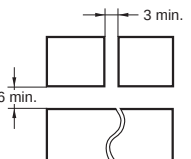
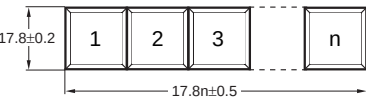
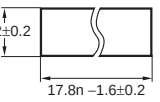
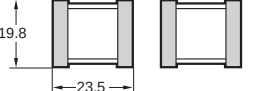
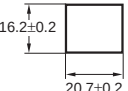
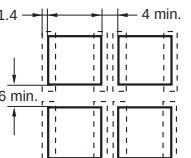
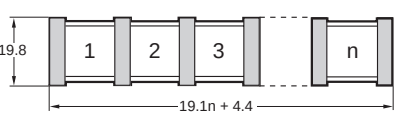
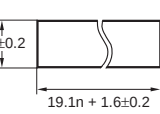
Panel Cutout (If you use a Switch Guard or Seal Cover, refer to *Switch and Guard Mounting Dimensions or Seal Cover Mounting Dimensions* in the A3S datasheet.)

M2SJ

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 (A3SJ-3002) before use.		
	Multiple mounting, vertical  Mount to Long Mounting Plate (A3SJ-3002) before use.		
Barrier mount models	Individual mounting, horizontal 		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 (A3SJ-3002) before use.		
	Multiple mounting, vertical  Mount to Long Mounting Plate (A3SJ-3002) before use.		

Note: If the panel is to be finished (e.g., coated), make sure that the panel meets the specified dimensions after the coating.

M2SA

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: If the panel is to be finished (e.g., coated), make sure that the panel meets the specified dimensions after the coating.

M2S

Safety Precautions

Refer to *Safety Precautions for all Pushbutton Switches/Indicators* for common precautions.
Read the *Safety Precautions* in the A3S datasheet.

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