

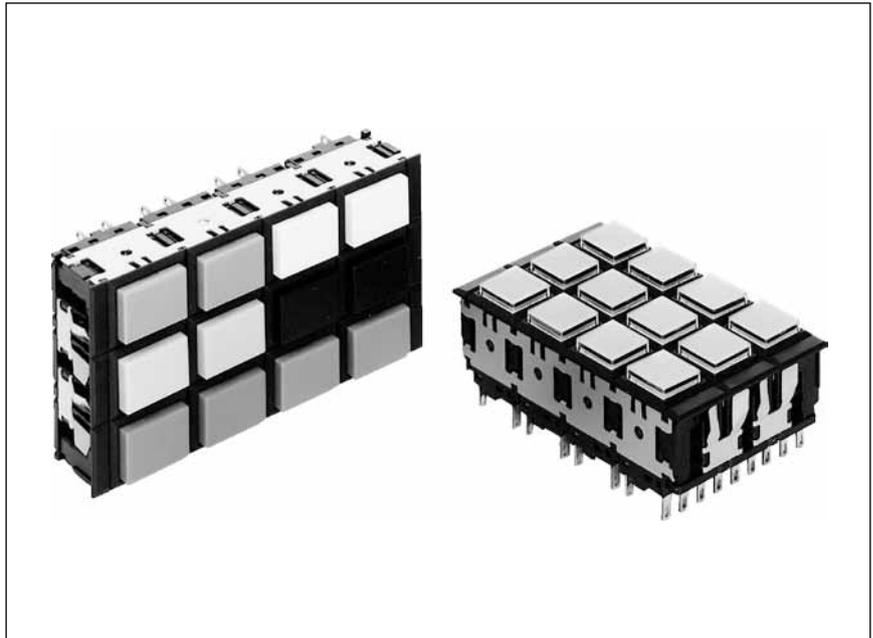
# MA Series Combination Control Units

Save labor and cost for installation [Custom-made]

Choose any MA Series (MA2/MA3) Control Units

IDEC's MA series Miniature Control Units can be combined in a frame and supplied as a complete assembly.

- Combination type with several MA series units mounted in a frame
- Maximum number of units mounted: 4 rows x 12 columns (MA2)
- Small size (unibody: 22 mm behind the panel) and space-saving
- Super bright LED



## Specifications

Applicable MA Series Units (Note)	MA2/MA3 illuminated pushbuttons and pushbuttons (All models)
Maximum No. of Units Mounted	MA2: 4 rows x 12 columns MA3: 4 rows x 9 columns Mounting in only one row, and mixture of MA2 and MA3 units are not available.
Panel Thickness	1.0 to 4.0 mm
Frame Material	Stainless steel
Operating Temperature	-25 to +55°C (no freezing)
Storage Temperature	-40 to +80°C (no freezing)

Note: For details of the MA series control units, see the preceding pages.

## Mounting Clip

Mounting clips are used to secure the MA series combination control units to the rear of the panel. The mounting clips are supplied with the MA units.

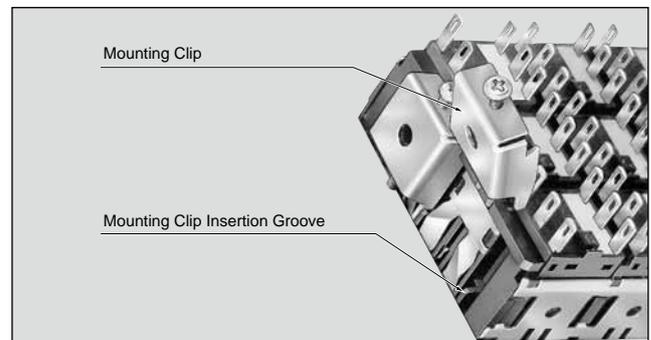
## Mounting Positions and Quantities of Mounting Clips

No. of Rows	No. of Mounting Clips	Mounting Positions
2	2	
3	4	
4	4	

Note: The screw tightening torque for the mounting clips should be 0.39 N·m maximum.

## Mounting Procedure

To mount the MA series units into a panel cut-out, insert the assembly from the front of the panel first, and then fit the mounting clips into the mounting grooves from the rear of the panel. Then, tighten the screws as shown below. After tightening the screws, apply loctite to the screws.

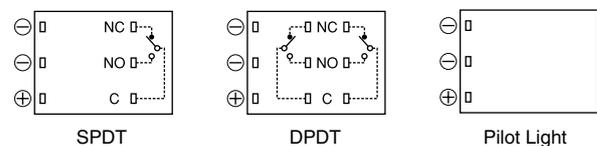


Note: Insert the mounting clip into the groove up to the nail.



The mounting clip is supplied with the housing.

## Terminal Arrangement (Bottom View)

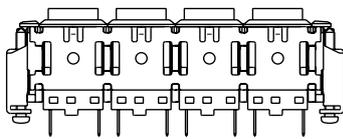
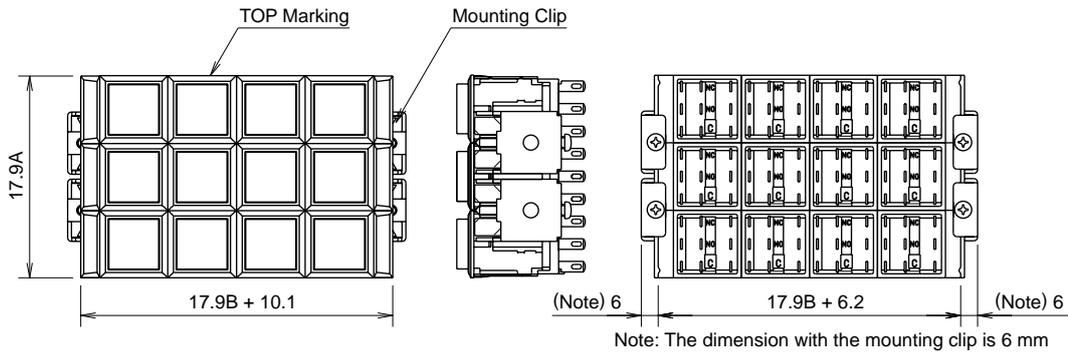


# MA Series Combination Control Units

## Dimensions

### Combination of MA2 Units (Square)

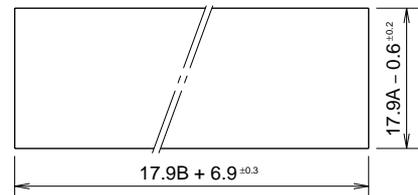
All dimensions in mm.



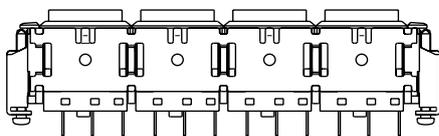
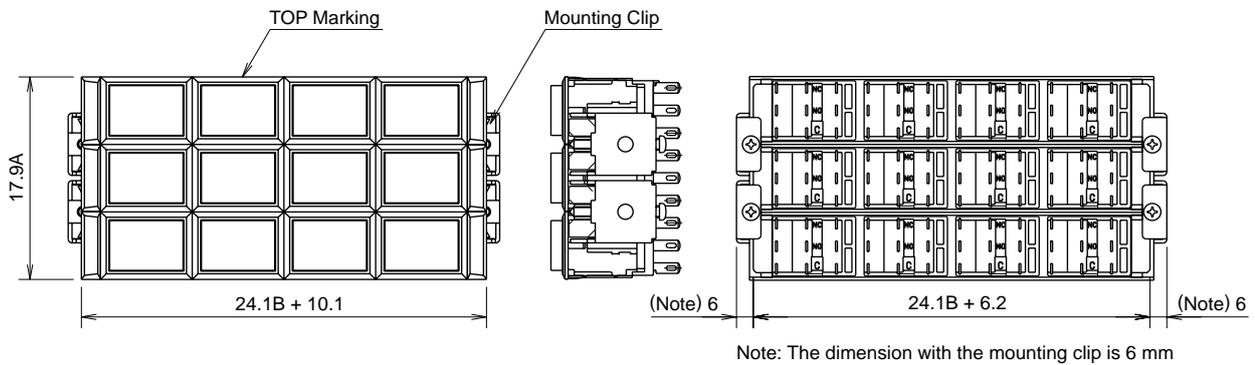
A: Rows  
B: Columns

### Panel Cut-out

(Panel Thickness: 1.0 to 4.0)



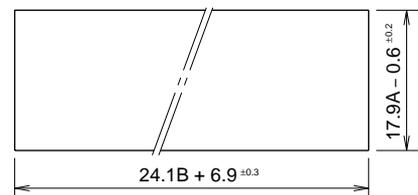
### Combination of MA3 Units (Rectangular)



A: Rows  
B: Columns

### Panel Cut-out

(Panel Thickness: 1.0 to 4.0)



## Instructions

Lens and marking plate mounting/removing procedures, LED unit handling precaution, and wiring precaution are the same as those of the single mounting of the MA series miniature control unit. For details, see page 19 and page 20.

## Ordering Information

Contact IDEC for information on the ordering method, price and delivery.