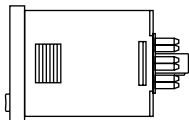# INSTALLING DIN SIZE COUNTER
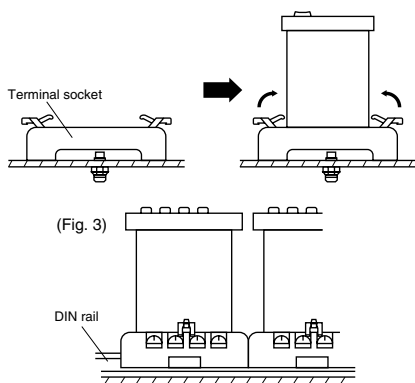
Installation methods

1. Surface mount

1) For the counters of LC4H series, use the pin type counter.

2) Put the terminal socket on the board directly or put it on the DIN rail (Fig. 1).

3) Insert the counter into the terminal socket and fix it with clip (Fig. 2)

4) On DIN rail mounting, mount the counter on the DIN rail tightly to get the proper dimension (Fig. 3).

(Fig. 1)   (Fig. 2)

Terminal socket
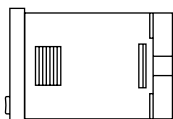
(Fig. 3)

DIN rail

5) 8-pin type should be connected with terminal socket AT8-DF8K. 11-pin type should be connected with terminal socket AT8-DF11K.
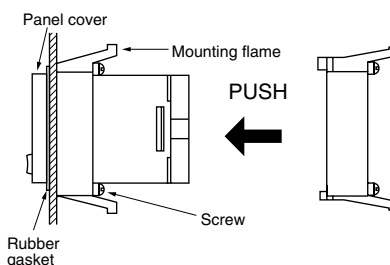
6) DIN rail (AT8-DLA1) is also available (1 m).

2. Flush mount

1) For the counters of LC4H series, it is recommended to use the built-in screw terminal type for flush mount. (Mounting frame and rubber gasket are provided when counter is shipped.)

2) How to mount the counter

From the panel front, pass the counter through the square hole. Fit the mounting frame from the rear, and then push it in so that the clearance between the mounting frame and the panel surface is minimized. In addition, lock the mounting frame with a screw.

• LC4H series

Panel cover

Mounting flame
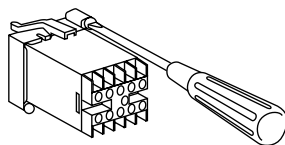
PUSH

Screw

Rubber gasket

3) Caution in mounting the counter

• LC4H series

ⓐ If the LC4H series are used as the waterproof types (IEC IP66), tighten the reinforcing screws on the mounting frames so that the counters, the rubber gaskets, and the panel surfaces are tightly contacted with each other. (Tighten the two screws with uniform force and make sure that there is no rattling. If the screws are tightened too excessively, the mounting frame may come off.)
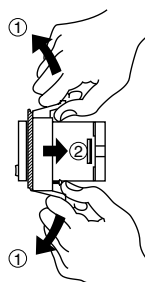
ⓑ If the counter is installed with the panel cover and the rubber gasket removed, the waterproofing characteristic is lost.

4) Removal

Loosen the screws on the mounting frame, spread the edge of frame and remove it.
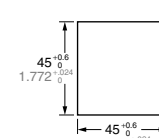

Pull the mounting frame backward while spreading out its hooks with your thumbs and index fingers.

5) Correctly connect the terminals while seeing the terminal layout and wiring diagram.
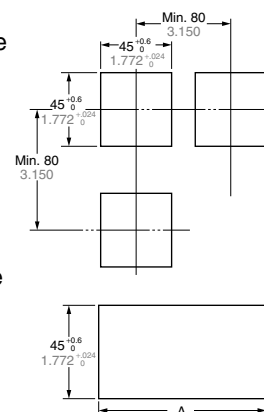
6) If the pin type is used, the rear pin-bracket (AT8-RR) or the 8P cap (AD8-RC) is necessary to connect the pins. For the 11-pin type, use the 11P cap (AT8-DP11) and avoid directly soldering the round pins on the counter.

7) Panel cutout dimensions

$45 ^{+0.6}_{0}$
$1.772 ^{+.024}_{0}$

$45 ^{+0.6}_{0}$
$1.772 ^{+.024}_{0}$

The standard panel cutout dimensions are shown in the left figure. (Panel thickness: 1 to 5 mm .039 to .197 inch)

8) Although the counters can be mounted adjacent to each other in this case, it is recommended to arrange the mounting holes as shown in the figure to facilitate attaching and detaching the mounting frame.

Min. 80
3.150

$45 ^{+0.6}_{0}$
$1.772 ^{+.024}_{0}$

$45 ^{+0.6}_{0}$
$1.772 ^{+.024}_{0}$

Min. 80
3.150

$45 ^{+0.6}_{0}$
$1.772 ^{+.024}_{0}$

A

9) Adjacent mounting

Although the counters can be mounted adjacent to each other, remember that the panel surface of LC4H series counter will lose its water-resistant effect. (Panel thickness: 1 to 5 mm .039 to .197 inch)

$A = (48 \times n - 2.5) ^{+0.6}_{0}$

When lining up the counters horizontally, set the frames in such a position so the formed spring areas are at the top and bottom.

When lining up the counters vertically, set the frames in such a position as the formed spring areas are at the right and left.

Formed spring

Formed spring