## DIN W48×H24mm, Indication Only, LCD Counter

## - Features

- No additional power due to internal battery
- Signal input method: No-voltage input, voltage input,
free voltage input
- Screw terminal type (attaching terminal cover)
- LCD display, backlight model
- IP66 protection structure

ease read "Safety Considerations"
the instruction manual before using.
$\square$ Ordering Information

| LA | 8 | N - | B | N - | L |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Item | Digit Size |  | (Input type |  |  | No mark | None |
|  |  |  | L | Backlight function |
|  |  |  | N | No-voltage (small signal) input |
|  |  |  | V | Voltage input |
|  |  |  | F | Free voltage input |
|  |  |  | B | Internal lithium battery |
|  |  |  | N | DIN W48×H24mm |
|  |  |  | 8 | 99999999 (8-digit) |
|  |  |  |  |  |  | LA | LCD Counter |

Specifications


## Compact LCD Display Counter

$\square$ Connections

| Input type | No-backlight | Backlight |
| :---: | :---: | :---: |
| No-voltage input type | -LA8N-BN ${ }^{* 1}$ |  |
| Voltage input type |  |  |
| Free voltage input type |  | - |

※1: Terminal 2 and 5 are connected inside. (non-isolated)
※Use reliable contacts enough to flow 3VDC $5 \mu \mathrm{~A}$ current.

## Dimensions

(unit: mm)

© Bracket


© Panel cut-out


SENSORS

CONTROLLERS

MOTION DEVICES

SOFTWARE

## (J)

Temperature
Controllers
$(K)$
SSRs
(L)

Controllers
(M)

Counters

Timer
Timers
(O)
Digita

Panel Meters
(P)
Indicators
(Q)

Converters
(R)

Digplay Units

Sens
Controllers
(T)
Switc

Switching
Mode Power
Supplies
(U)

Recorders
(V)
HMIs
(W)

Panel PC
(X)
Field Network

Devices

## $\square$ Input Connections

© No-voltage input (standard sensor: NPN open collector output type sensor)

- Solid-state input

※When power is applied to terminal No (1) and 4, input terminal circuit can be broken and a malfunction can occur.
(NPN output, PNP output, PNP open collector output type sensor cannot be used.)
※(2) and (5) are connected inside.
※For backlight function model, the input terminals are no. (1), (3) and the GND terminal is no. (2)
© Voltage input (standard sensor: PNP open collector output type sensor)
- Solid-state input



## - Contact input

[Counter]

※Please use reliable contacts enough to flow 3VDC $5 \mu \mathrm{~A}$ of current.
※For backlight function model, the input terminals are no. (1) (3 and the GND terminal is no. (2)

## © Free voltage input


※AC type proximity sensor cannot be used as the source of count input signals.
※Input terminal (1), (2) and reset terminal (4), (5) are insulated inside.
※It is not possible to reset with AC power or DC power. ※When relay contact is used as the source of RESET signal, please use reliable contacts enough to flow 3VDC $5 \mu \mathrm{~A}$ of current.

## () Input from AC type proximity sensor

In case of free voltage input type, do not connect AC proximity sensors instead of a switch as shown in the figure 1. It may cause malfunction due to sensor's leakage current. Connect a relay as shown in the figure 2.

<Example of wrong connection>
(Fig. 2)


[^0]Setting Switch
(0) SW1 ( 1 switch)

SW1 is a switch to Enable/Disable the front panel RESET key.
※Factory default: Enable
© SW2 (2 switch)
SW2 is a switch for setting max. counting speed.
※Factory default: 1cps (Free voltage input type : 20cps is fixed)


SENSORS

CONTROLLERS

MOTION DEVICES

SOFTWARE
(J)

Temperature
Controllers
$\stackrel{(K)}{\text { SSRs }}$
(L)
Power

Controllers
(M)

Counters
(N)

Timers
(O)

Panel Meters
(P)
Indicators

Indicators
(Q)
(Q)
(R)
Digita

Display Units
(S)

Controllers
(T)
Switchin

Switching
Mode Power
Supplies
(U)

Recorders
(V)

HMIs
(W)

Panel PC
(X)

Field Network
Devices

## LA8N Series

## $\square$ Case Detachment and Battery Replacement

## © Case detachment


※Hold up Lock part toward (1), (2) of the product with the tool and pull toward (3) to detach the case. © When using the tools, be careful not to be wounded.

## Battery replacement



1. Detach the case.
2. Push he battery and detach it toward (1).
3. Insert a new battery with correct alignment of polarity pushing it toward opposite of (1).
※Since lithium battery is embedded in the product, follow instructions below for safety.
(1)Do not charge, short, disassemble, subject it to shock, heat.
(2)Check the polarity.
(3)Use CR2477 battery.
(4)Do not solder on a battery directly.
(5) Insulate a battery with tape to dispose .
(6)Do not store this unit in the place with the direct sunlight, high temperature and humidity.
※The battery is sold separately.
Please replace a battery by yourself. (sold separately)
※Do not burn up or disassemble the lithium battery.

[^0]:    <Example of correct connection>

