

*An advanced electronic counter
perfect for today's applications.
Introducing the 4-digit type and
6-digit type electronic counter.*



Matsushita

Electronic Counter

LC4H

NAIS is the worldwide brand name of automation products.

**Compact, Easy-to-read, Easy-to-use...
An electronic counter that's ahead of its time.**



AEL51 systems (4-digit display)



AEL53 systems (6-digit display)



Pin type



Screw terminal type

Features

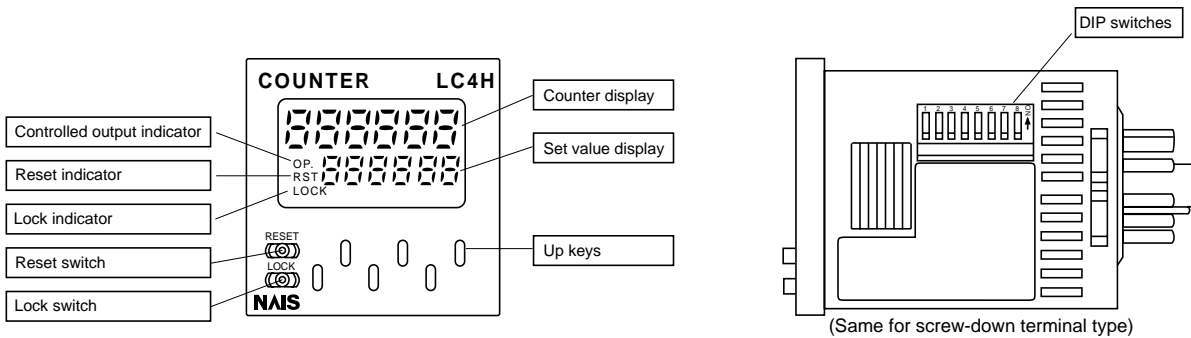
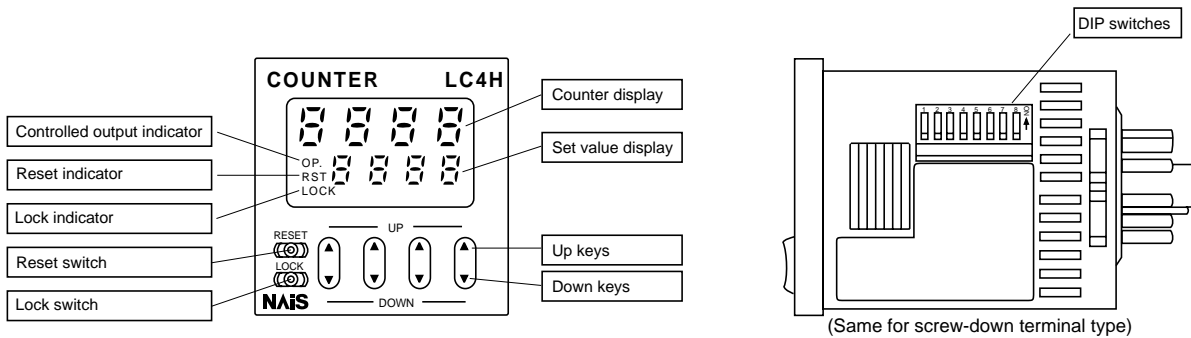
- 1. Bright and Easy-to-Read Display**
A brand new bright 2-color backlight LCD display. The easy-to-read screen in any location makes checking and setting procedures a cinch.
- 2. Simple Operation**
Seesaw buttons make operating the unit even easier than before.
- 3. Short Body of only 64.5 mm 2.539 inch (screw type) or 70.1 mm 2.760 inch (pin type)**
With a short body, it easily installs in even narrow control panels.
- 4. Conforms to IP66's Weather Resistant Standards**
The water-proof panel keeps out water and dirt for reliable operation even in poor environments.
- 5. Screw terminal and Pin Type are Both Standard Options**
The two terminal types are standard options to support either front panel installation or embedded installation.

- 6. Changeable Panel Cover**
Also offers a black panel cover to meet your design considerations.
- 7. 4-digit or 6-digit display**
Two sizes of displays are offered for you to choose the one that suits your needs.
- 8. Conforms With EMC and Low Voltage Directives**
Conforms with EMC directives (EN50081-2/EN50082-2) and low-voltage directives (VDE0435/Part 2021) for CE certification vital for use in Europe.
- 9. Low Price**
All this at an affordable price to provide you with unmatched cost performance.

Product types

Digit	Count speed	Operation mode	Output	Operation voltage	Power down insurance	Terminal	Part No.
4	30 Hz (cps)/ 5 KHz (Kcps) switchable	Multi-mode (Direct-connect)	Relay (1c)	100-240 V AC	Available	11 pin	LC4H-R4-AC240V
				12-24 V DC		Screw	LC4H-R4-AC240VS
			Transistor (1a)	100-240 V AC		11 pin	LC4H-T4-AC240V
				12-24 V DC		Screw	LC4H-T4-AC240VS
6			Relay (1c)	100-240 V AC		11 pin	LC4H-R6-AC240V
				12-24 V DC		Screw	LC4H-R6-AC240VS
			Transistor (1a)	100-240 V AC		11 pin	LC4H-T6-AC240V
				12-24 V DC		Screw	LC4H-T6-AC240VS
	11 pin	LC4H-T6-DC24V					
	Screw	LC4H-T6-DC24VS					

Part names

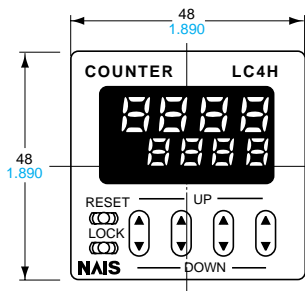


Specifications

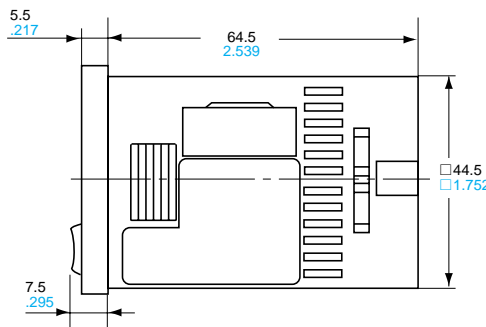
Item	Relay output type		Transistor output type		
	AC type	DC type	AC type	DC type	
Rating	Rated operating voltage	100 to 240 V AC	12 to 24 V DC	100 to 240 V AC	
	Rated frequency	50/60 Hz common	—	50/60 Hz common	
	Power consumption	Max. 10 V A	Max. 3 W	Max. 10 V A	
	Control output	1 Form C: 3 A, 250 V AC (resistive)		1 Form A: 100 mA, 30 V DC Open collector output (Max.)	
	Input mode	Addition (UP)/Subtraction (DOWN)/Direction (DIR)/Individuality (IND)/Phase (PHASE) 5 modes selectable by DIP switch			
	Counting speed	30 cps/5 kcps (selectable by DIP switch)			
	Min. counting input time	16.7 ms at 30 cps/0.1 ms at 5 kcps ON time: OFF time = 1:1			
	Reset input method	Signal reset/Push-key switch, Min. input time 1 ms, 20 ms (selected by DIP switch)			
	Lock input	Min. input signal width: 20 ms			
	Input signal	Contact or Open collector input/Input impedance: 1 kΩ or less, Input residual voltage: 2 V or less, Open impedance: 100 kΩ or less, Max. energized voltage: 40 V DC			
	Output mode	HOLD-A/HOLD-B/HOLD-C/SHOT-A/SHOT-B/SHOT-C/SHOT-D, 7 modes selectable by DIP switch			
	One shot output time	Approx. 1 s			
	Indication	7-segment LCD, Counter value (backlight red LED), Setting value (backlight yellow LED)			
	Digit	4-digit display type -999 to 9999 (-3 digits to +4 digits) (0 to 9999 for setting) 6-digit display type -99999 to 999999 (-5 digits to 6 digits) (0 to 999999 for setting)			
Memory	EEP-ROM (Overwriting times: 10 ⁵ ope. or more)				
Contact	Contact arrangement	1 Form C	1 Form A (Open collector)		
	Initial contact resistance	100 mΩ (at 1 A 6 V DC)	—		
	Contact material	Ag alloy/Au flush	—		
Life	Mechanical	2.0 × 10 ⁷ ope. (Except for switch operation parts)		—	
	Electrical	1.0 × 10 ⁶ ope. (At rated control voltage)		1.0 × 10 ⁷ ope. (At rated control voltage)	
Electrical	Operating voltage range	85 to 110 % of rated operating voltage			
	Initial withstand voltage	Between live and dead metal parts: 2,000 Vrms for 1 min (pin type) Between input and output: 2,000 Vrms for 1 min Between open contacts: 1,000 Vrms for 1 min		Between live and dead metal parts: 2,000 Vrms for 1 min Between input and output: 2,000 V AC for 1 min	
	Initial insulation resistance (At 500 V DC)	Between live and dead metal parts: Min. 100 MΩ (pin type) Between input and output: Min. 100 MΩ Between open contact: Min. 100 MΩ		Between live and dead metal parts: Min. 100 MΩ (pin type) Between input and output: Min. 100 MΩ	
	Temperature rise	Max. 65° C (under the flow of nominal operating current at nominal voltage)			
Mechanical	Vibration resistance	Functional	10 to 55 Hz (1 cycle/min), single amplitude: 0.35 mm .014 inch (10 min on 3 axes)		
		Destructive	10 to 55 Hz (1 cycle/min), single amplitude: 0.75 mm .030 inch (1 h on 3 axes)		
	Shock resistance	Functional	Min. 98 m 321.522 ft./s ² (4 times on 3 axes)		
		Destructive	Min. 294 m 964.567 ft./s ² (5 times on 3 axes)		
Operating conditions	Ambient temperature	-10° C to 55° C +14° F to +131° F			
	Ambient humidity	Max. 85 % RH			
	Air pressure	860 to 1,060 h Pa			
	Ripple rate	—	20 % or less	—	20 % or less
Connection	11-pin/screw terminal				
Protective construction	IP66 (front panel with a rubber gasket)				

Dimensions (units: mm inch)

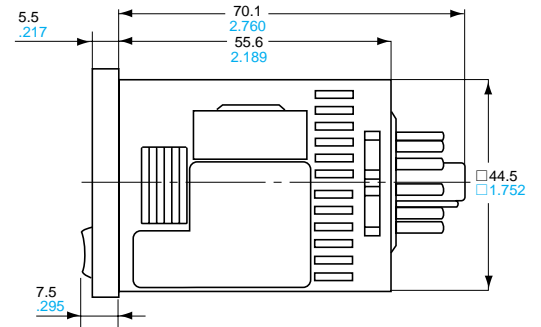
• LC4H electrical counter



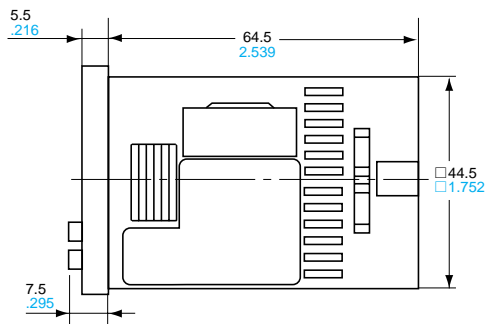
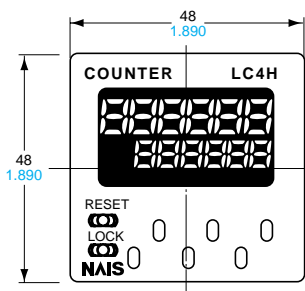
Screw-down terminal type (embedded installation)



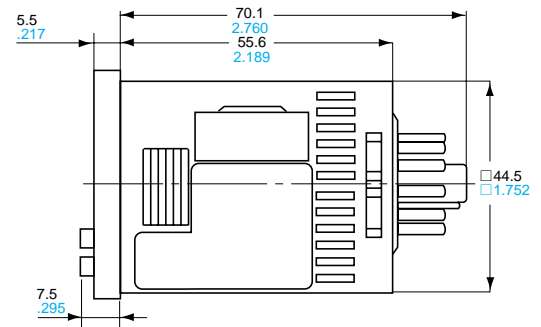
Pin type (embedded installation/ front panel installation)



Screw-down terminal type (embedded installation)

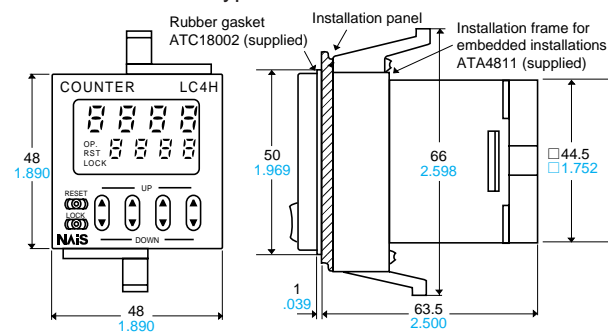


Pin type (embedded installation/ front panel installation)

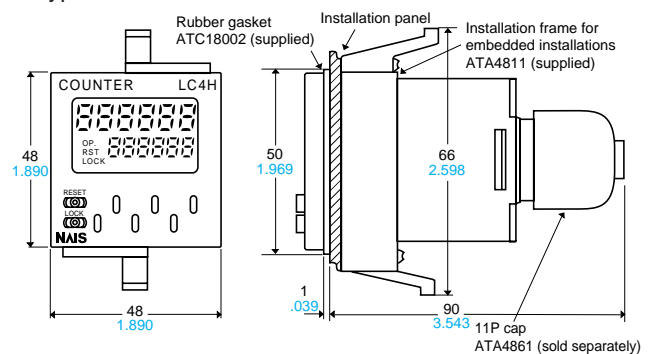


• Dimensions for embedded installation (with adapter installed)

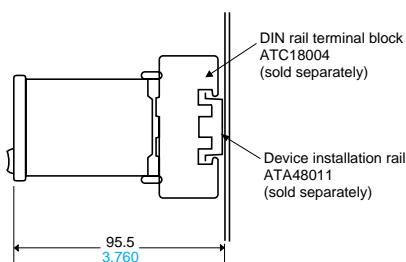
Screw-down terminal type



Pin type

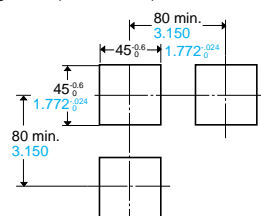


• Dimensions for front panel installations

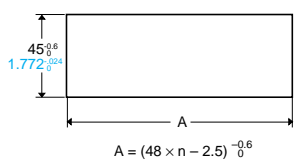


• Installation panel cut-out dimensions

The standard panel cut-out dimensions are shown below. Use the installation frame (ATA4811) and rubber gasket (ATC18002).



• For connected installations



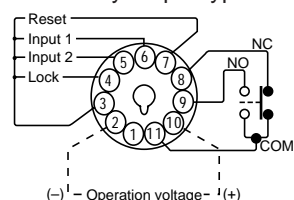
Note 1: The installation panel thickness should be between 1 and 5 mm .039 and .197 inch.

Note 2: For connected installations, the waterproofing ability between the unit and installation panel is lost.

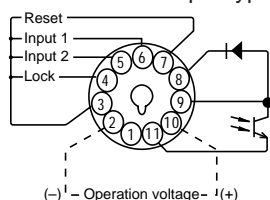
Terminal layout and wiring

• Pin type

Relay output type

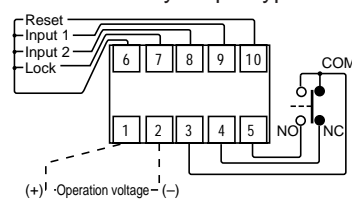


Transistor output type

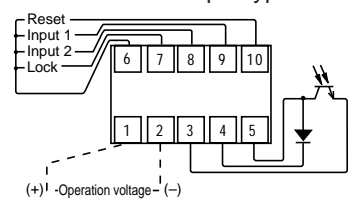


• Screw-down terminal type

Relay output type



Transistor output type



Setting the operation mode and counter

Setting procedure 1) Setting the operation mode (input mode and output mode)

Set the input and output modes with the DIP switches on the side of the unit.

DIP switches

	Item	DIP switch	
		OFF	ON
1	Operation mode	Refer to table 1	
2			
3			
4	Minimum reset input signal width	20 ms	1 ms
5	Maximum counter setting	30 Hz	5 kHz
6	Input mode	Refer to table 2	
7			
8			

Table 1: Setting the output mode

DIP switch No.			Output mode
1	2	3	
ON	ON	ON	SHOT-A
OFF	OFF	OFF	SHOT-B
ON	OFF	OFF	SHOT-C
OFF	ON	OFF	SHOT-D
ON	ON	OFF	HOLD-A
OFF	OFF	ON	HOLD-B
ON	OFF	ON	HOLD-C
OFF	ON	ON	—

See note 1

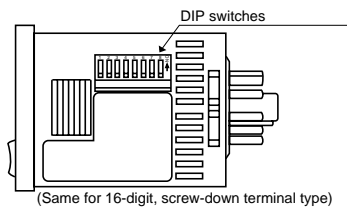


Table 2: Setting the input mode

DIP switch No.			Input mode
6	7	8	
ON	ON	ON	Addition input
OFF	OFF	OFF	Subtraction input
ON	OFF	OFF	Directive input
OFF	ON	OFF	Independent input
ON	ON	OFF	Phase input
OFF	OFF	ON	—
ON	OFF	ON	—
OFF	ON	ON	—

See note 1

See note 1

See note 1

Note 1: The counter and set value displays will display DIP Err.

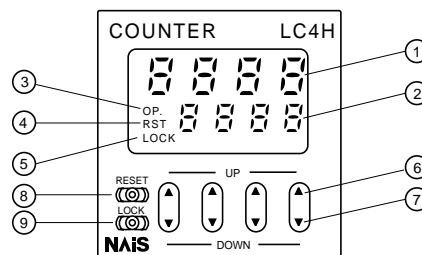
Note 2: Set the DIP switches before installing the unit.

Setting procedure 2) Setting the set value

Set the set value with the keys on the front of the unit.

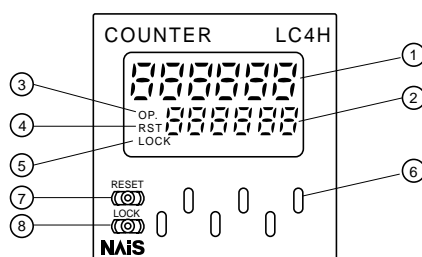
Front display section

- ① Counter display
 - ② Set value display
 - ③ Controlled output indicator
 - ④ Reset indicator
 - ⑤ Lock indicator
 - ⑥ UP keys
- [Changes the corresponding digit of the set value in the addition direction (upwards)]



- ⑦ DOWN keys
- Changes the corresponding digit of the set value in the subtraction direction (downwards)
- ⑧ RESET switch
 - ⑨ LOCK switch
- Resets the set value and the output
- Locks the operation of all keys on the unit

- ① Counter display
- ② Set value display
- ③ Controlled output indicator
- ④ Reset indicator
- ⑤ Lock indicator



- ⑥ UP keys
- Changes the corresponding digit of the set value in the addition direction (upwards)
- ⑦ RESET switch
 - ⑧ LOCK switch
- Resets the set value and the output
- Locks the operation of all keys on the unit

• Changing the set value

1. It is possible to change the set value with the up and down keys (4-digit type only) even during counting. However, be aware of the following points.

1) If the set value is changed to less than the count value with counting set to the addition direction, counting will continue until it reaches full scale (9999 with the 4-digit type and 999999 with the 6-digit type), returns to zero, and then reaches the new set value. If the set value is changed to a value above the count

value, counting will continue until the count value reaches the new set value.

2) If counting is set to the subtraction direction, counting will continue until full scale (-999 with the 4-digit type and -999999 with the 6-digit type) regardless of the new set value, and then the display will change to - - - - with the 4-digit type and - - - - - with the 6-digit type.

2. If the set value is changed to "0," the unit will not complete count-up. However, be aware of the following points.

1) When counting is set to the addition direction, counting will continue until full scale is reached (9999 with the 4-digit type and 999999 with the 6-digit type), return to zero, and then complete count-up.

2) When counting is set to the subtraction direction, counting will continue until full scale is reached (-999 with the 4-digit type and -999999 with the 6-digit type), and then the display will change to - - - - with the 4-digit type and - - - - - with the 6-digit type.

Operation mode

1. Input mode

For the input mode, you can choose one of the following five modes

- Addition UP
- Subtraction DOWN
- Directive DIR
- Independent IND
- Phase PHASE

Input mode	Operation	*Minimum input signal width: 16.7 ms; 5 kHz: 0.1 ms
Addition UP	IN1 or IN2 works as an input block (gate) for the other input.	<p>• Example where IN1 is the count input and IN2 is the input block (gate).</p> <p>Counting (addition) 0 1 2 3 --- n-3 n-2 n-1 n</p> <p>Counting (subtraction) n n-1 n-2 n-3 --- 3 2 1 0</p> <p>Δ Reset Δ Count-up completed</p>
Subtraction DOWN		<p>• Example where IN2 is the count input and IN1 is the input block (gate).</p> <p>Counting (addition) 0 1 2 3 4 --- n-1 n</p> <p>Counting (subtraction) n n-1 n-2 n-3 n-4 --- 1 0</p> <p>Δ Reset Δ Count-up completed</p> <p>* "A" must be more than the minimum input signal width.</p>
Directive DIR	IN1 is the count input and IN2 is the addition or subtraction directive input. IN2 adds at L level and subtracts at H level.	<p>Counting 0 1 2 3 4 3 2 1 0 1 2 3 4</p> <p>Δ Reset</p> <p>* "A" must be more than the minimum input signal width.</p>
Independent IND	IN1 is addition input and IN2 is subtraction input.	<p>Counting 0 1 2 3 4 3 2 1 2 1 2 3</p> <p>Δ Reset</p> <p>* IN1 and IN2 are completely independent, so there is no restriction on signal timing.</p>
Phase PHASE	Addition when the IN1 phase advances beyond IN2, and subtraction when the IN2 phase advances beyond IN1.	<p>Counting 0 1 2 3 2 1 0</p> <p>Δ Reset</p> <p>* "B" must be more than the minimum input signal width.</p>

2. Output mode

For the operation mode, you can choose one of the following seven modes

- Maintain output/hold count HOLD-A
- Maintain output/over count I HOLD-B
- Maintain output/over count II HOLD-C
- One shot/over count SHOT-A
- One shot/recount I SHOT-B
- One shot/recount II SHOT-C
- One shot/hold count SHOT-D

Operation mode	Operation	(Example when input mode is either addition or subtraction)
Maintain output Hold count HOLD-A	Output control is maintained after count-up completion and until resetting. During that time, the count display does not change from that at count-up completion.	<p>* n: Set value</p>
Maintain output Over count I HOLD-B	Output control is maintained after count-up completion and until resetting. However, counting is possible despite completion of count-up.	<p>* n: Set value</p>
Maintain output Over count II HOLD-C	Output control is maintained after count-up completion and until the next signal enters. However, counting is possible despite completion of count-up.	<p>* n: Set value</p>
One shot Over count SHOT-A	Output control is maintained after count-up completion for a fixed time (approx. 1 sec). Counting is possible despite completion of count-up.	<p>* n: Set value</p>
One shot Recount I SHOT-B	Output control is maintained after count-up completion for a fixed time (approx. 1 sec). Counting is possible despite completion of count-up. However, reset occurs simultaneous with completion of count-up. While output is being maintained, restarting of the count is not possible	<p>* n: Set value</p>
One shot Recount II SHOT-C	Output control is maintained after count-up completion for a fixed time (approx. 1 sec). Counting is possible despite completion of count-up. However, reset occurs simultaneous with output OFF.	<p>* n: Set value</p>
One shot Hold count SHOT-D	Output control is maintained after count-up completion for a fixed time (approx. 1 sec). During that time, the count display does not change from that at count-up completion. Reset occurs simultaneous with output OFF.	<p>* n: Set value</p>

Precautions during usage

1. Terminal wiring

1) When wiring the terminals, refer to the terminal layout and wiring diagrams and be sure to perform the wiring properly without errors.

2) For embedded installation applications, the screw-down terminal type is recommended. When using the pin type, use the 11P cap (ATA4861). Do not solder directly to the unit's round pins.

For front panel installation applications, use the 11-pin type DIN rail terminal block (ATC18004).

3) After turning the unit off, make sure that any resulting induced voltage or residual voltage is not applied to power supply terminals 2 through 10 (pin type) or 1 and 2 (screw-down terminal type). (If the power supply wire is wired parallel to the high voltage wire or power wire, an induced voltage may be generated between the power supply terminals.)

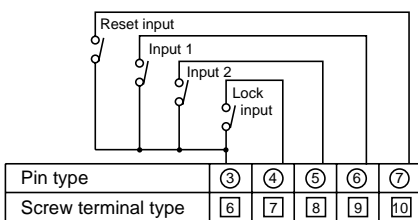
4) Have the power supply voltage pass through a switch or relay so that it is applied at one time. If the power supply is applied gradually, the counting may malfunction regardless of the settings, the power supply reset may not function, or other such unpredictable occurrence may result.

2. Input and output

1) Signal input type

(1) Contact point input

Use highly reliable metal plated contacts. Since the contact point's bounce time leads directly to error in the count value, use contacts with as short a bounce time as possible. In general, select Input 1 and Input 2 to have a maximum counting speed of 30 Hz and to be reset with a



minimum input signal width of 20 ms.

(2) Non-contact point input

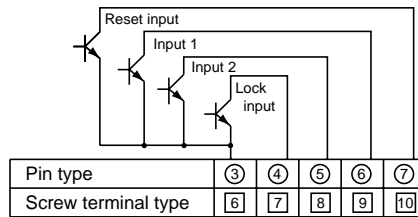
Connect with an open collector. Use transistors whose characteristics satisfy the criteria given below.

$V_{CE0} = 20 \text{ V min.}$

$I_c = 20 \text{ mA min.}$

$I_{CBO} = 6\mu\text{A max.}$

Also, use transistors with a residual voltage of less than 2 V when the



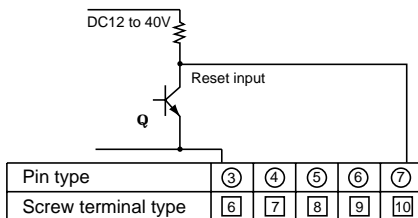
transistor is on.

* The short-circuit impedance should be less than 1 k Ω .

[When the impedance is 0 Ω , the current coming from the input 1 and input 2 terminals is approximately 12 mA, and from the reset input and lock input terminals is approximately 1.5 mA.]

Also, the open-circuit impedance should be more than 100 k Ω .

* As shown in the diagram below, from a non-contact point circuit (proximity switches, photoelectric switches, etc.) with a power supply voltage of between 12 and 40 V, the signal can be input without using an open collector transistor. In the case of the diagram below, when the non-contact point transistor Q switches from off to on (when the signal voltage goes from

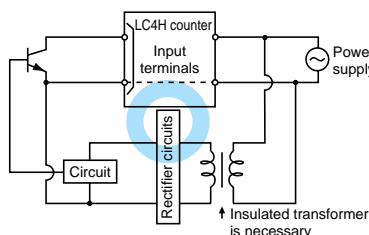


(The above example is for reset input)

high to low), the signal is input.

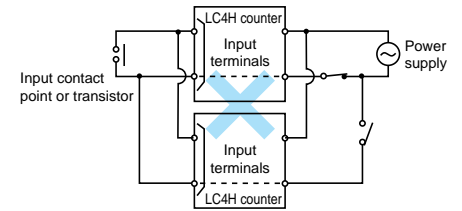
2) The input mode and output mode change depending on the DIP switch settings. Therefore, before making any connections, be sure to confirm the operation mode and operation conditions currently set.

3) For the power supply of the input device, use a single-phase or double-phase insulated power transformer. The second-phase side must not be



grounded.

4) Since the power supply circuitry does not contain a transformer, be aware that it is not possible for simultaneous input from an input contact point or transistor to a LC4H counter with independent

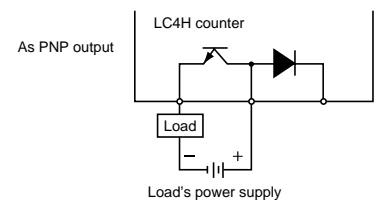
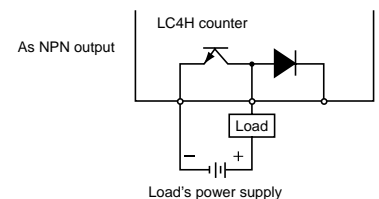


power supply operation.

5) The input signal is applied by the shorting of each input terminal with the common terminal (terminal 3 for pin types, and terminal 6 for screw-down terminal types). Never connect other terminals or voltages higher than DC 40 V, because it may destroy the internal circuitry.

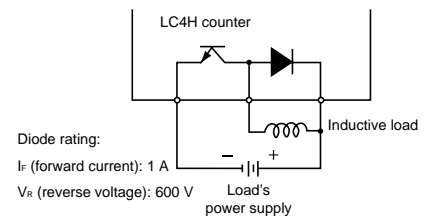
6) Transistor output

(1) Since the transistor output is insulated from the internal circuitry by a photocoupler, it can be used as an



NPN output or PNP (equal value) output.

(2) Use the diode connected to the



output transistor's collector for absorbing the reverse voltage from inductive loads.

7) When wiring, use shielded wires or metallic wire tubes, and keep the wire lengths as short as possible.

8) For the load of the controlled output,

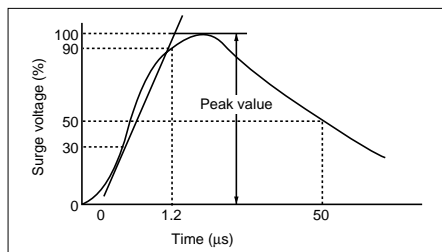
3. Conditions of usage

- 1) Avoid locations subject to flammable or corrosive gases, excessive dust, oil, vibrations, or excessive shocks.
- 2) Since the cover of the unit is made of polycarbonate resin, avoid contact with or use in environments containing methyl alcohol, benzene, thinners, and other organic solvents; and ammonia, caustic sodas, and other alkaline substances.
- 3) If power supply surges exceed the values given below, the internal circuits may become damaged. Be sure to use surge absorbing element to prevent this from happening.

Operating voltage	Surge voltage (peak value)
AC type	6,000V
DC type	1,000V

• Surge wave form

[$\pm (1.2 \times 50)$ ms uni-polar full wave voltage]



- 4) Regarding external noise, the values below are considered the noise-resistant voltages. If voltages rise above these values, malfunctions or damage to the internal circuitry may result, so take the necessary precautions.

	Power supply terminals		Input terminals
	AC type	DC type	
Noise voltage	1,500V	1,000V	600V

Noise wave form (noise simulator)

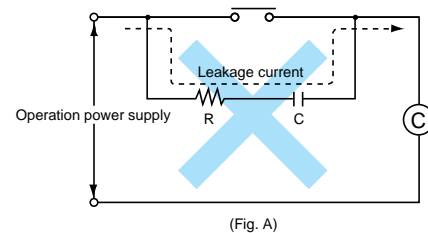
Rise time: 1 ns

Pulse width: 1 ms, 50 ns

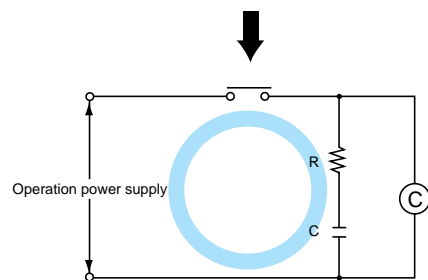
Polarity: \pm

Cycle: 100 cycles/second

- 5) When connecting the operation power supply, make sure that no leakage current enters the counter. For example, when performing contact protection, if set up like that of diagram A, leaking current will pass through C and R, enter the unit, and cause incorrect operation. Diagram B shows the correct setup.

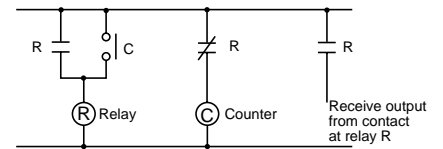


(Fig. A)



(Fig. B)

- 6) Long periods of continuous operation in the count-up completed condition (one month or more) will result in the weakening of the internal electrical components from the generated heat and, therefore, should be avoided. If you do plan to use the unit for such continuous operation, use in conjunction with a relay as shown in the circuit in the



4. Self-diagnosis function

If a malfunction occurs, one of the following displays will appear.

Display	Contents	Output condition	Restoration procedure	Preset values after restoration
- - - - - or - - - - -	Minimum value went below -999 or -99999. See note 1.	No change	Enter reset or RESET key.	No change
0 1 2 3 4	Incorrect DIP switch setting.		Restart unit (correct DIP switch settings)	
Err - 00	Malfunctioning CPU.	OFF	Enter reset, RESET key, or restart unit.	The values at start-up before the CPU malfunction occurred.
Err - 01	Malfunctioning memory. See note 2.			0

Note 1: When the counter value goes below the minimum value during any of the subtraction, directive, independent, or phase input modes.

Note 2: Includes the possibility that the EEPROM's life has expired.

5. CE Marking Certification

- 1) EMC directive (89/336/EEC)

As a counter unit, the LC4H series conforms to EMC directives. Applicable standards are EN50081-2 and EN50082-2.

- 2) Low voltage directive (73/23/EEC)
- In order to satisfy VDE0435/Part 2021, be sure to adhere to the following installation conditions and precautions.

- (1) The counter uses a non-transformer power supply and the power supply and input signal terminals are not insulated.

• When a sensor is connected to the

input circuit, install double insulation on the sensor side.

- With contact-point inputting, use double-insulated relays, etc.

- (2) Always connect loads insulated with basic insulation specifications to the output contact points. The counter unit is also insulated with basic insulation specifications. The combination of the two satisfies VDE, which calls for double insulation.

- (3) For the applied power supply, use one protected by an over-current

protection device that conforms with EN/IEC standards (i.e. 250 V, 1 A fuse).

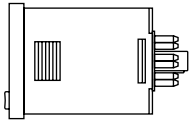
- (4) During installation, always use a terminal block or the appropriate sockets. Do not touch the terminals, or other part of the counter unit while it is on. Before installation or removal of the unit, first verify that no voltage is being applied to any of the terminals.

- (5) Do not use the counter in a safety circuit. When the unit is being used in a circuit such as a heater circuit, install a protection circuit on the machine side.

INSTALLATIONS

1. Surface mount

1) Use the pin type timer.



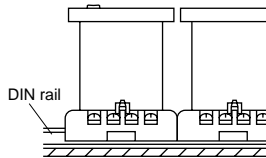
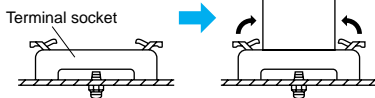
2) Put the terminal socket on the board directly or put it on the DIN rail (Fig. 1)

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

4) On DIN rail mounting, mount the timer on the DIN rail tightly.

(Fig. 1)

(Fig. 2)



5) Pin type is connected with terminal socket ATC18004.

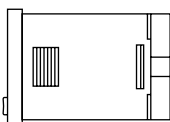
6) DIN rail (AT8-DLA1) is also available (1m).

2. Flush mount

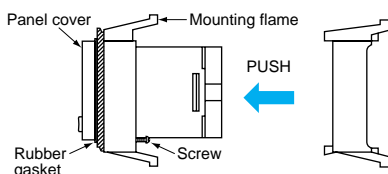
1) Use the built-in screw terminal type for flush mount. (Mounting frame and rubber gasket are provided when timer is shipped.)

When the pin type is used, accessories (AT8-DA4 and ATC18002) are required.

2) Insert the timer into the panel cut and



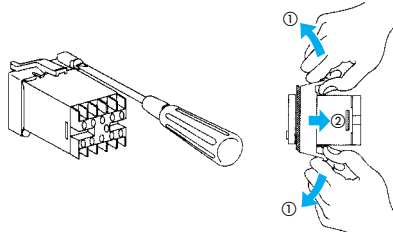
slide the mounting frame from the back. Push the mounting frame over the timer to tighten the screw. Fasten in place with the screws provided.



3) ① When the water-protected type is used, confirm the conditions with which timer with rubber gasket and panel are attached tightly.

② Mounting without panel cover and rubber gasket will be less water-resistant.

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

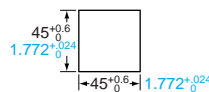


5) Refer to the terminal wiring diagram, wire the terminals correctly.

6) Panel cutout dimensions

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

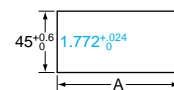
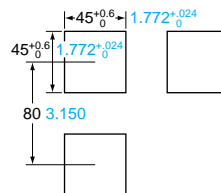
7) Although the timers can be mounted adjacent to each other, it is recommended to arrange the mounting holes as shown in the figure to facilitate attaching and detaching the mounting frame.



When the front protective cover is used, cut a hole using these dimensions.

8) Adjacent mounting of PM4H timers can be accomplished. The front protective cover cannot be used for this type of mounting. (panel thickness: 1 to 5mm .039 to .197 inch)

The standard dimension for A when n units (n≤5) are mounted adjacently.



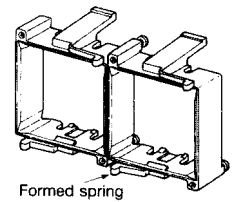
$$A = (48 \times n - 2.5)^{+0.6} \text{ (mm)}$$

$$A = (1.890 \times n - 2.5)^{+0.024} \text{ inch}$$

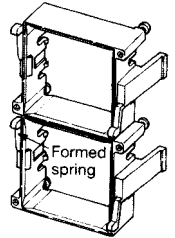
If six or more units are to be mounted, measure the actual dimensions and cut the panel accordingly.

When lining up the timers

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


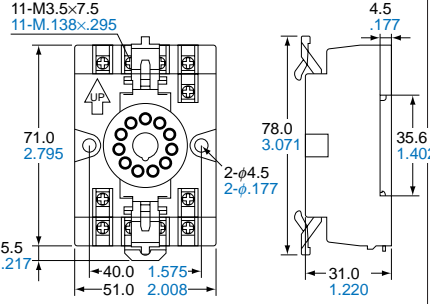
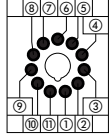
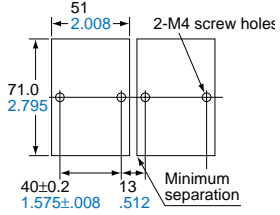


When lining up the timers vertically, set the frames in such a position as the formed spring areas are at the right and left.



ACCESSORIES


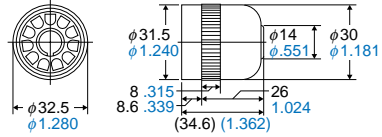

mm inch

Type	Appearance	Dimensions	Terminal wiring (TOP VIEW)	Mounting hole dimensions
LC4H (11 pin)	<ul style="list-style-type: none"> DIN rail socket (11 pin)  <p>ATC18004</p>		 <p>Note: Terminal No. on the main body are identical to those on the terminal socket.</p>	

Note: Terminal No. on the main body are identical to those on the terminal socket.

Tolerance: ±1 ±.039

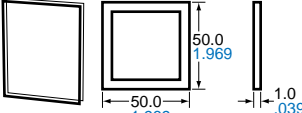



SOCKETS

Type	Screw terminal	Dimensions	Terminal wiring (TOP VIEW)	Mounting hole dimensions
LC4H (11 pin)	<ul style="list-style-type: none"> 11 pin cap  <p>ATA4861</p>			

Note: Terminal No. on the main body are identical to those on the terminal socket.

Tolerance: ±1 ±.039

MOUNTING PARTS

<ul style="list-style-type: none"> Rubber gasket  <p>ATC18002</p>	<ul style="list-style-type: none"> Mounting frame  <p>AT8-DA4</p>	<ul style="list-style-type: none"> Mounting rail (Applicable for DIN, IEC standard)  <p>AT8-DLA1</p>	<ul style="list-style-type: none"> Fastening plate  <p>ATA4806</p>
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ACCESSORIES

• Panel cover (Black)

 <p>AEL58011</p>	 <p>AEL58012</p>
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