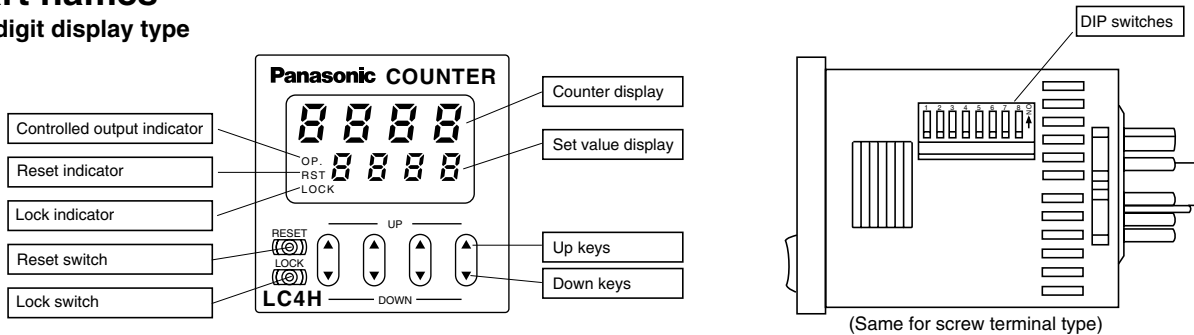
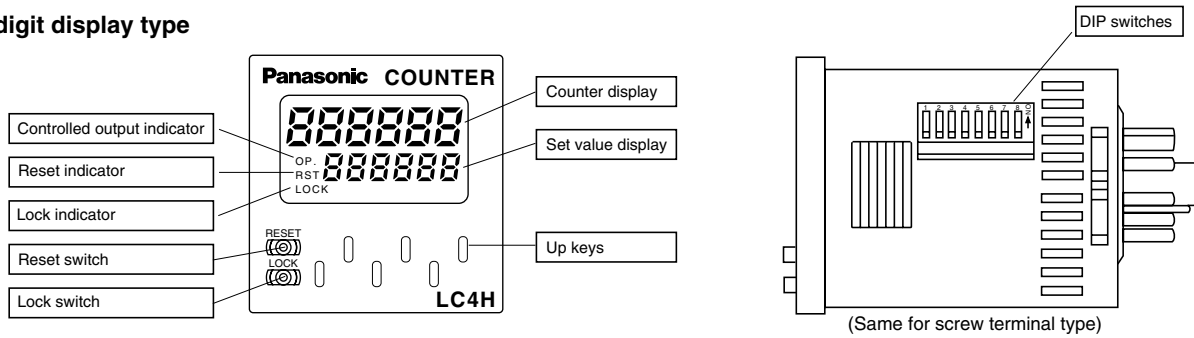


Part names

• 4-digit display type



• 6-digit display type



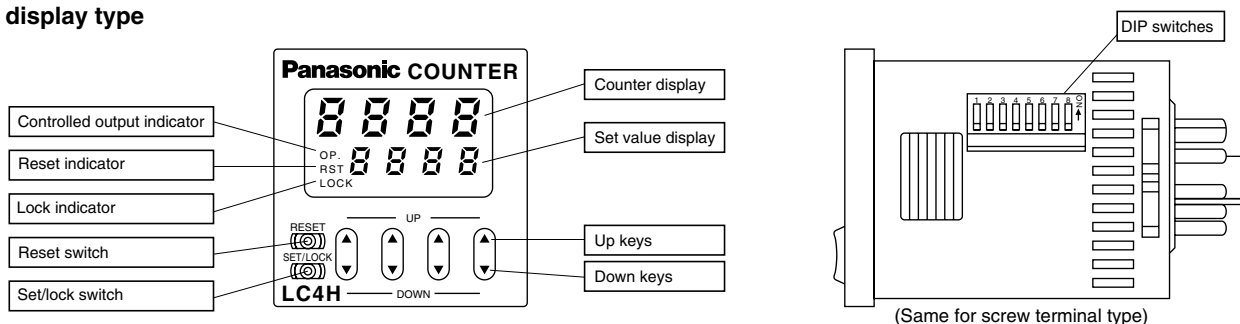
Specifications

Item	Relay output type		Transistor output type		
	AC type	DC type	AC type	DC type	
Rating	Rated operating voltage	100 to 240 V AC, 24 V AC	12 to 24 V DC	100 to 240 V AC, 24 V AC	12 to 24 V DC
	Rated frequency	50/60 Hz common		50/60 Hz common	
	Rated power consumption	Max. 10 V A	Max. 3 W	Max. 10 V A	Max. 3 W
	Rated control capacity	5 A 250 V AC (resistive load)		100 mA 30 V DC	
	Input mode	Addition (UP)/Subtraction (DOWN)/Direction (DIR)/Individuality (IND)/Phase (PHASE) 5 modes selectable by DIP switch			
	Max. counting speed	30 Hz/5 kHz (selectable by DIP switch)			
	Counting input (Input 1, 2)	Min. input signal width: 16.7 ms at 30 Hz/0.1 ms at 5 kHz, ON time: OFF time = 1:1			
	Reset input	Min. input signal width: 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 more, 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 (contact)	2 × 10 ⁷ ope. (Except for switch operation parts)		—	
	Electrical (contact)	10 ⁵ ope. (At rated control voltage)		10 ⁷ ope. (At rated control voltage)	
Electrical	Allowable operating voltage range	85 to 110 % of rated operating voltage			
	Break down voltage (Initial value)	Between live and dead metal parts: 2,000 Vrms for 1 min (11-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 (11-pin type) Between input and output: 2,000 V AC for 1 min	
	Insulation resistance (At 500 V DC) (Initial value)	Between live and dead metal parts: Min. 100 MΩ (11-pin type) Between input and output: Min. 100 MΩ Between open contact: Min. 100 MΩ		Between live and dead metal parts: Min. 100 MΩ (11-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 (10 min on 3 axes)		
		Destructive	10 to 55 Hz (1 cycle/min), single amplitude: 0.75 mm (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 (non-condensing)			
	Air pressure	860 to 1,060 h Pa			
	Ripple rate	—	20 % or less	—	20 % or less
Connection	8-pin/11-pin/screw terminal				
Protective construction	IP66 (front panel with a rubber gasket)				

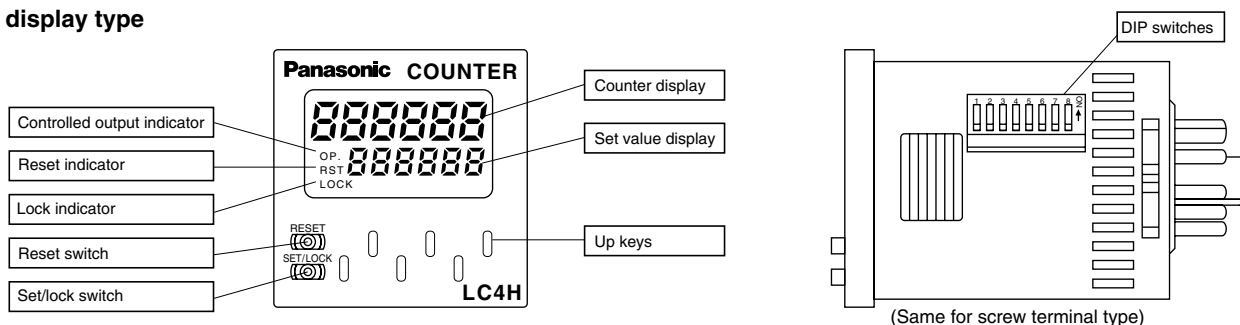
LC4H-S

Part names

• 4-digit display type



• 6-digit display type



Specifications

Item		Relay output type		Transistor output type
		AC type	DC/AC type	DC/AC type
Rating	Rated operating voltage	100 to 240 V	12 to 24 V DC/24 V AC	12 to 24 V DC/24 V AC
	Rated frequency	50/60 Hz common		
	Rated power consumption	Max. 10 V A	Max. 3 W	
	Rated control capacity	5 A 250 V AC (resistive load)		100 mA, 30 V DC
	Input mode	Addition (UP)/Subtraction (DOWN)/Direction (DIR)/Individuality (IND)/Phase (PHASE) 5 modes selectable by DIP switches		
	Max. counting speed	30 Hz, 5 kHz (selectable by DIP switches)		
	Counting input (input 1, input 2)	16.7 ms at 30 Hz/0.1 ms at 5 kHz ON time: OFF time = 1:1		
	Reset input	Min. input signal width: 1 ms, 20 ms (selected by DIP switches)		
	Lock input	Min. input signal width: 20 ms		
	Input signal	Contact, Open collector input/DC two-wire system sensor 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 switches		
	One shot output time	1 s, 0.5s, 0.2s, 0.1s, 0.05, 0.01s		
	Indication	7-segment LCD, Counter value (backlight red LED), Setting value (backlight yellow LED)		
	Digit	4-digit display type -999 to 9999 (0 to 9999 for setting) 6-digit display type -99999 to 999999 (0 to 999999 for setting)		
	Decimal point	Can be set to three digits		
	Pre-scaling	0.001 to 9.999 (4-digit type), 0.001 to 99.999 (6-digit type)		
	Memory	EEP-ROM (Overwriting times: 10 ⁵ ope. or more)		
Power for sensor	12 V DC (±10%) 100 mA Max.	—		
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 (contact)	2 × 10 ⁷ ope. (Except for switch operation parts)		—
	Electrical (contact)	10 ⁵ ope. (At rated control voltage)		10 ⁷ ope. (At rated control voltage)
Electrical	Operating voltage range	85 to 264 V AC	10.8 to 26.4 V DC, 20.4 to 26.4 V AC	
	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		
	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		
	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 (10 min on 3 axes)	
		Destructive	10 to 55 Hz (1 cycle/min), single amplitude: 0.75 mm (1 h on 3 axes)	
	Shock resistance	Functional	Min. 98 m/s ² (4 times on 3 axes)	
		Destructive	Min. 294 m/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 (non-condensing)		
	Air pressure	860 to 1,060 h Pa		
Connection	11-pin/screw terminal			
Protective construction	IP66 (front panel with a rubber gasket)			