

LINE SEIKI

PRESET COUNTER

E48

S E R I E S

IN CONFORMANCE TO CE
 RoHS COMPLIANT
 DIN48x48 PRESET COUNTER
 EASY EDITING (INDIVIDUAL DIGIT KEYS)
 BLUE STN LCD WITH WHITE BACKLIGHT
 PRESCALE
 KEY LOCK
 WRITE FUNCTION

CE
 RoHS



MODELS

	Models	Digit	Preset	Power source	Input	Output	Body length
RELAY OUTPUT TYPE	E48-101	6	1 level preset	AC100 - 240V	Contact / Open collector / Voltage input (SELECTABLE)	Relay output (1c) AC250V 5A / DC30V 5A MAX	100 mm
	E48-102			DC12 - 24V		64 mm	
	E48-201	6	2 level preset	AC100 - 240V		Relay output (Main: 1c, Sub: 1a) AC250V 5A / DC30V 5A MAX	100 mm
	E48-301		1 level preset + prewarn				
OPEN COLLECTOR OUTPUT TYPE	E48-111	6	1 level preset	AC100 - 240V	Contact / Open collector / Voltage input (SELECTABLE)	NPN Open Collector output DC45V 100mA MAX	100 mm
	E48-112			DC12 - 24V			64 mm
	E48-211	6	2 level preset	AC100 - 240V			100 mm
	E48-311		1 level preset + prewarn				

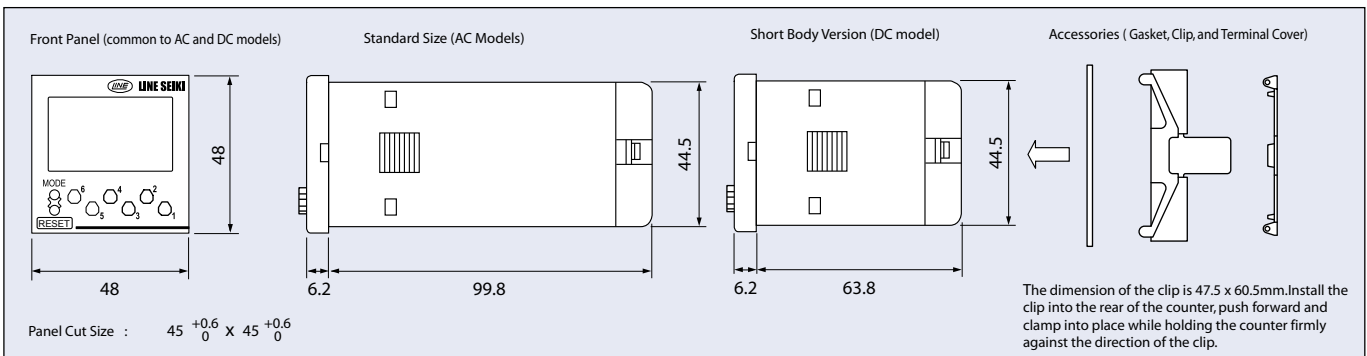
* All mode key protecting function can be added. (example:E48-101K)

SPECIFICATIONS

MODEL	E48-101,E48-111	E48-102,E48-112	E48-201,E48-211	E48-301,E48-312
DISPLAY	Blue STN LCD with white backlight ; Digit Size : 10mm x 5mm			
NO. OF DIGITS	6			
NO. OF DIGIT SETTING KEYS	6			
PRESET LEVEL	1 Level	1 Level	2 Levels	1 level preset + prewarn
SETTING RANGE	-99999 - 999999			
PREWARN FEATURE	—	—	—	0~999999
INPUT MODE	Contact / Open Collector / Voltage (selectable)			
INPUT SIGNAL	Open Collector (Sink current approx. 11mA) L : 0 ~ 4V / Voltage (Input impedance 7KΩ) L : 0 ~ 4V H: 6 ~ 30V (Available to duplex wire DC sensor.)			
COUNT SPEED	30Hz, 1kHz, 5kHz, 10kHz (selectable)			
COUNT MODE	Add / Subtract (Add/Subtract individual input, 90° quadrature input)			
COUNT RANGE	-99999 - 999999			
PRESCALE	0.001 - 99.999 (0 setting is not available)			
DECIMAL POINT POSITION	0.0, 0.00, 0.000, No decimal point			
WRITE	-99999 - 999999			
RESET	Front panel reset, Remote reset, Auto-reset			
REMOTE RESET TIME	2ms or 20ms (selectable)			
OPERATION MODE	Modes A, B, C, D, E, F, G can be selected. Except for standard output, Mode A only is available for other output modes.			
MEMORY	E ² PROM (10 years, can be used 100,000 times)			
OUTPUT DELAY	E48-□0□ : Relay output /30Hz : 17ms; 1kHz : 12ms; 5kHz : 12ms; 10kHz : 12ms E48-□1□ : Open collector output /30Hz : 7ms MAX. / 1kHz,5kHz,10kHz : 2ms MAX.			
OUTPUT MODE	1 Level Preset: Standard, Equal, Lower Limit, Upper Limit 2 Level Preset: Standard, Equal, Upper-Lower Limit, Upper-Upper Limit 1 Level Preset + Prewarn: Standard, Equal			
OUTPUT TIME	Standard output : one shot (10 ~ 9990ms) or HOLD or HOLD 1 or HOLD 2 / Equal, Upper, Lower output : Latched only when requirements are full			
ERROR DISPLAY	In 90° quadrature mode, error message will be displayed on the LCD if the count range is exceeded (overflow error : $\sigma \cdot \bar{E}_r$ underflow error : $\mu \cdot \bar{E}_r$)			
POWER SUPPLY	AC100~240V -15%, +10%	DC12~24V -15%, +10%	AC100~240V -15%, +10%	AC100~240V -15%, +10%
SENSOR POWER SOURCE	DC12V 100mA	—	DC12V 100mA	DC12V 100mA
POWER CONSUMPTION	Approx. 7VA for AC240V	Approx. 2.5W for DC24V	Approx. 7VA for AC240V	Approx. 7VA for AC240V
OPERATING TEMPERATURE	-10°C~50°C (non-freezing) 45~85%RH (non-condensing)			
ALTITUDE	2,000m max.			
INSTALLATION ENVIRONMENT	Over-voltage category II , Pollution degree 2 (IEC61010-1)			
FRONT PANEL	IP54 (panel surface)			
COMPLIANCE	CE,RoHS			
WEIGHT	Approx. 160g	Approx. 120g	Approx. 160g	

* The key protecting function can be added in the option.

DIMENSIONS



Global Website : <http://www.lineseiki.com>

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