DIN W48×H48mm, W72×H72mm LCD Display Counter/Timer

Features

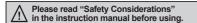
- Improved visibility with LCD display
- Input method: voltage input (PNP)/no-voltage input (NPN) selectable model (by parameter setting),
 Free voltage input model
- Setting range of one-shot output time: 0.01 sec to 99.99 sec by 0.01 sec unit
- Mounting space saving with compact design (back length: 64.5mm)

[Counter]

- Setting range of prescale value: 0.00001 to 99999.9
- Various input/output mode (input: 11 types, output: 11 types)
- Start point (counting value reset) setting
- TOTAL counter display mode
 - Displays the present value and the integrated value simultaneously.

[Timer]

- Various output mode (15 types)
- Wide time setting range: 0.001 sec to 99999.9 hour
- '0' time setting function









(J) Temperature Controllers

SENSORS

CONTROLLERS

MOTION DEVICES

K) SRs

(L) Power Controllers

(M) Counters

1)

(O) Digital Panel Meters

(P) Indicators

(Q) Converters

(R) Digital Display Units

(S) Sensor Controllers

(T) Switching Mode Power Supplies

(U) Recorders

>) MIs

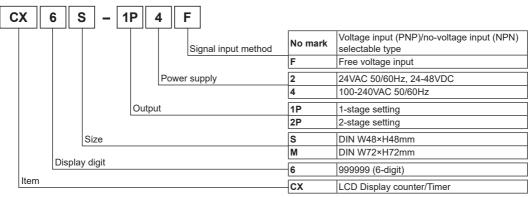
W) Panel PC

(X) Field Network Devices

Manual

For the detail information, please refer to user manual, and be sure to follow cautions written in the technical descriptions (catalog, website). Visit our website (www.autonics.com) to download manuals.

Ordering Information



Specifications

Dicr	el		CX6S-1P□□	CX6S-2P□□	CX6M-1P□□	CX6M-2P□ □	
Display digits		S	6-digit		'		
Display method			7-segment (1st, 2nd digits of counting value display: white, setting value display: green) LCD method, 11-segment (the other digits of counting value display: white) LCD method, Operation display part: yellow LCD method				
Character size (W×H) Setting value Power AC voltage supply AC/DC voltage					6.2×15.2mm		
				3.3×8.1mm 5×12.3mm			
			100-240VAC∼ 50/60Hz				
		AC/DC voltage	24VAC~ 50/60Hz, 2	24VAC~ 50/60Hz, 24-48VDC==			
Permissible		voltage range	90 to 110% of rated v				
_	AC vo			Max. 6.7VA	Max. 7.1VA	Max. 7.5VA	
r Si	age	CX6□-□□	F Max. 4.2VA	Max. 4.9VA	Max. 4.7VA	Max. 5.4VA	
Power consumption	AC/DO	CX6D-D	AC: max. 5.5VA DC: max. 3.5W	AC: max. 5.6VA DC: max. 3.6W	AC: max. 6.2VA DC: max. 4W	AC: max. 6.3VA DC: max. 4.1W	
	voltag	e CX6□-□□	F AC: max. 3.6VA DC: max. 2.5W	AC: max. 4.0VA DC: max. 2.8W	AC: max. 3.9VA DC: max. 2.9W	AC: max. 4.5VA DC: max. 3.3W	
	Max. INA/ INB counting			Selectable among 1cps/30cps/300cps/1kcps/5kcps			
<u>ā</u> sp	peed	CX6□-□□	20cps				
Scale Speed		range	-99999 to 999999				
S S	cale		Decimal point up to f				
	lin. sign			ET signal: selectable amo	ng 1ms/20ms		
W	ridth	CX6□-□ □					
Ti	ime ran	ge	999.999s, 9999.99s, 99h 59m 59s, 9999h		59.99s, 999m 59.9s, 9999	m 59s, 99999.9m, 999999m,	
0	peratio	n mode	1.7	Up, Down			
լ _ե M	lin. sign			·	electable among 1ms/20m	S	
.≒ ⊢	ridth	CX6□-□ □	F INA, INH, RESET sig	nal: 25ms			
<u> · ·</u> ·	epeat e		[CX6□ - □ □]-In case	of power ON start: max. ±0	.01% ±0.05s		
_	Set error		In case of signal ON start: max. ±0.01% ±0.03s				
	Voltage error		[CX6□ - □ □F]-In case of power ON start: max. ±0.01% ±0.08s In case of signal ON start: max. ±0.01% ±0.06s				
Te	emp. er	ror		· ·			
lmmt	Input method CX6F		Selectable among voltage input (PNP)/no-voltage input (NPN) [Voltage input (PNP)]-input impedance: 10.8kΩ, [H]: 5-30VDC=, [L]: 0-2VDC [No-voltage input (NPN)]-short-circuit impedance: max. 1kΩ, short-circuit residual voltage: max. 2VDC				
liiput			[Free voltage input]-INA (START) , INB (INHIBIT) input [H]: 24-240VDC=/24-240VAC ~ 50/60Hz, [L]: 0-10VDC/VAC [No-voltage input]-RESET input, short-circuit impedance: max. 1kΩ, short-circuit residual voltage: max. 2V				
One-	-shot ou	tput time	0.01 to 99.99s setting	g			
		, Type	SPDT (1c): 1	<u> </u>	SPDT (1c): 1	SPDT (1c): 2	
	Cor	11act 		SPST (1a): 2			
Cont		Capacity		SPST (1a): 2 30VDC== 3A resistive load		OI D1 (10). Z	
Cont outpu	. —	Capacity					
		id Type			NPN open collector:	1 NPN open collector: 2	
outpu	ut Sol stat	id Type Capacity Capacity		30VDC 3A resistive load		1 NPN open collector: 2	
outpu Exte	ut Sol stat	id Type ie Capacity wer supply ^{*1}	Max. 250VAC~ 3A, — Max. 12VDC== ±10%	30VDC= 3A resistive load	NPN open collector:	1 NPN open collector: 2	
outpu Exter Mem	ut Sol stat rnal pov nory rete	id Type ie Capacity wer supply ^{*1}	Max. 250VAC∼ 3A,	30VDC== 3A resistive load b, 100mA n-volatile memory)	NPN open collector:	1 NPN open collector: 2	
Exter Mem Insul	ut Sol stat rnal pov nory rete	id Type Capacity Capacity Ver supply*1 Pention Sistance	Max. 250VAC∼ 3A, —— Max. 12VDC== ±10% Approx. 10 years (no	30VDC::: 3A resistive load b, 100mA in-volatile memory) VDC megger)	NPN open collector:	1 NPN open collector: 2	
Exter Mem Insul	rnal pover state of the state o	id Type Capacity Capacity Ver supply*1 Pention Sistance	Max. 250VAC~ 3A, — Max. 12VDC== ±10% Approx. 10 years (no Over 100MΩ (at 500) 3,000VAC 50/60Hz f	30VDC::: 3A resistive load b, 100mA in-volatile memory) VDC megger)	NPN open collector: Max. 30VDC 100r	1 NPN open collector: 2	
Exter Mem Insul Diele	rnal pover retered street stre	id Type Lee Capacity Wer supply*1 Lention Lesistance Length	Max. 250VAC~ 3A, — Max. 12VDC== ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise b	30VDC::- 3A resistive load b, 100mA cn-volatile memory) VDC megger) or 1 min	NPN open collector: Max. 30VDC 100n idth 1μs) ±2kV	1 NPN open collector: 2	
Exter Mem Insul Diele Noise immu	rnal povenory retelectric stee	id Type Capacity wer supply*1 ention sistance rength AC voltage	Max. 250VAC~ 3A, Max. 12VDC== ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise b Square-wave noise b	30VDC::- 3A resistive load b, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse w by noise simulator (pulse w	NPN open collector: Max. 30VDC== 100π idth 1μs) ±2kV idth 1μs) ±500V	1 NPN open collector: 2 mA	
Exter Mem Insul Diele	rnal pove ation reception	Capacity ide Type ide Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage	Max. 250VAC~ 3A, Max. 12VDC== ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise t Square-wave noise t 0.75mm amplitude at	30VDC::: 3A resistive load a, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse w by noise simulator (pulse w t frequency 10 to 55Hz (for	NPN open collector: Max. 30VDC 100n idth 1μs) ±2kV	1 NPN open collector: 2 mA	
Exter Mem Insul Diele Noise immu	rnal pover poor retellation recurring states and pover retellation recurring states and poor retellation recurring states and poor retellation recurring states and poor retellation retellati	Capacity id Type lee Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mechanical	Max. 250VAC~ 3A, Max. 12VDC= ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise b Square-wave noise b 0.75mm amplitude at 0.5mm amplitude at 300m/s² (approx. 300	30VDC::: 3A resistive load a, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse w by noise simulator (pulse w threquency 10 to 55Hz (for 1 frequency 10 to 55Hz (for 1 G) in each X, Y, Z direction	NPN open collector: Max. 30VDC== 100i idth 1μs) ±2kV idth 1μs) ±500V 1 min) in each X, Y, Z direct I min) in each X, Y, Z direct for 3 times	1 NPN open collector: 2 mA	
Exter Mem Insul Diele Noise immu Vibra	state	Capacity id Type cele Capacity ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mechanical Malfunction	Max. 250VAC~ 3A, Max. 12VDC= ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise t 0.75mm amplitude at 0.5mm amplitude at 300m/s² (approx. 300' 100m/s² (approx. 100')	30VDC::: 3A resistive load a, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse w by noise simulator (pulse w threquency 10 to 55Hz (for 1 frequency 10 to 55Hz (for 2 G) in each X, Y, Z direction G) in each X, Y, Z direction	NPN open collector: Max. 30VDC== 100i idth 1μs) ±2kV idth 1μs) ±500V 1 min) in each X, Y, Z direct I min) in each X, Y, Z direct for 3 times	1 NPN open collector: 2 mA	
Exter Mem Insul Diele Noise immu Vibra Shoo	rnal ponory retelectric stee unity ation	Capacity id Type lee Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mechanical Malfunction Mechanical	Max. 250VAC~ 3A, Max. 12VDC= ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise b 0.75mm amplitude at 0.5mm amplitude at 300m/s² (approx. 300' Min. 5,000,000 operations)	30VDC::: 3A resistive load b, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse we by noise simulator (pulse we by noise simulator (pulse we therequency 10 to 55Hz (for 10 frequency 10 frequency 10 to 55Hz (for 10 frequency 10 freq	NPN open collector: Max. 30VDC== 100i idth 1μs) ±2kV idth 1μs) ±500V 1 min) in each X, Y, Z direct I min) in each X, Y, Z direct for 3 times	1 NPN open collector: 2 mA	
Exter Mem Insul Diele Noise immu Vibra Shoo	station received by life	Capacity id Type lee Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction	Max. 250VAC~ 3A, Max. 12VDC= ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise b 0.75mm amplitude at 0.5mm amplitude at 100m/s² (approx. 300' Min. 5,000,000 operati	30VDC::: 3A resistive load b, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse we by noise simulator (pulse we by noise simulator (pulse we the frequency 10 to 55Hz (for 10 frequency 10 frequenc	NPN open collector: Max. 30VDC== 100i idth 1μs) ±2kV idth 1μs) ±500V 1 min) in each X, Y, Z direct I min) in each X, Y, Z direct for 3 times	1 NPN open collector: 2 mA	
Exter Mem Insul Diele Noise immu Vibra Shoo Relay cycle	station retelection station retelectric statio	Capacity id Type lee Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Methanical Malfunction Methanical Malfunction Methanical Malfunction Methanical	Max. 250VAC~ 3A, — Max. 12VDC= ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise b Square-wave noise b 0.75mm amplitude at 0.5mm amplitude at 1300m/s² (approx. 30' 100m/s² (approx. 100' Min. 5,000,000 operati Front part: IP50 (IEC	30VDC::: 3A resistive load a, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse w to frequency 10 to 55Hz (for frequency 10 to 55Hz (for G) in each X, Y, Z direction (3) in each X, Y, Z direction ations ons	NPN open collector: Max. 30VDC== 100i idth 1μs) ±2kV idth 1μs) ±500V 1 min) in each X, Y, Z direct I min) in each X, Y, Z direct for 3 times	1 NPN open collector: 2 mA	
External Mem Insul Diele Noise immu Vibra Shoo Relay cycle Prote Envir	station retelectric stee unity ation ck y life ection s cction s cction s cction s	Capacity ide Type ide Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction tructure Ambient temp.	Max. 250VAC~ 3A, — Max. 12VDC= ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise b Square-wave noise b 0.75mm amplitude at 0.5mm amplitude at 1300m/s² (approx. 30' 100m/s² (approx. 10' Min. 5,000,000 operati Front part: IP50 (IEC-10 to 55°C, storage:	30VDC::: 3A resistive load a, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse w by noise s	NPN open collector: Max. 30VDC== 100i idth 1μs) ±2kV idth 1μs) ±500V 1 min) in each X, Y, Z direct I min) in each X, Y, Z direct for 3 times	1 NPN open collector: 2 mA	
Exter Mem Insul Diele Noise immu Vibra Shoc Relar cycle Envirment	station reteation reteatio	Capacity id Type lee Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Methanical Malfunction Methanical Malfunction Methanical Malfunction Methanical	Max. 250VAC~ 3A, Max. 12VDC== ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise b 0.75mm amplitude at 0.5mm amplitude at 300m/s² (approx. 30' Min. 5,000,000 operati Front part: IP50 (IEC -10 to 55°C, storage: 35 to 85%RH, storag	30VDC::: 3A resistive load a, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse w by noise s	NPN open collector: Max. 30VDC== 100i idth 1μs) ±2kV idth 1μs) ±500V 1 min) in each X, Y, Z direct I min) in each X, Y, Z direct for 3 times	1 NPN open collector: 2 mA	
External Mem Insul Diele Noise immu Vibra Shoo Relay cycle Prote Envir	station reteation reteatio	Capacity id Type id Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mustuction Mustuction Mustuction Mustucture Ambient temp.	Max. 250VAC~ 3A, Max. 12VDC= ±10% Approx. 10 years (no Over 100MΩ (at 500′ 3,000VAC 50/60Hz ff Square-wave noise the Square-wave noise the 10.5mm amplitude at 1300m/s² (approx. 300 100m/s² (approx. 100 Min. 5,000,000 operation of part: IP50 (IEC 1-10 to 55°C, storage: 35 to 85%RH, storage)	30VDC::- 3A resistive load a, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse w by noise simulator (pulse w threquency 10 to 55Hz (for 16) in each X, Y, Z direction ations ons standard) -25 to 65°C le: 35 to 85%RH	NPN open collector: Max. 30VDC== 100i idth 1µs) ±2kV idth 1µs) ±500V 1 min) in each X, Y, Z direct for 3 times for 3 times	1 NPN open collector: 2 mA stion for 1 hour ion for 10 min	
Exter Mem Insul Diele Noisa immu Vibra Shoc Rela cycle Prote Environment Approx	station reteation reteatio	Capacity ide Type ide Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction tructure Ambient temp. Ambient humi.	Max. 250VAC~ 3A, Max. 12VDC= ±10% Approx. 10 years (no Over 100MΩ (at 500' 3,000VAC 50/60Hz f Square-wave noise b 0.75mm amplitude at 0.5mm amplitude at 1300m/s² (approx. 300' 100m/s² (approx. 100' Min. 5,000,000 operat Min. 100,000 operat Front part: IP50 (IEC -10 to 55°C, storage: 35 to 85%RH, storag C€ Approx. 157g (approx.	30VDC: 3A resistive load a, 100mA n-volatile memory) VDC megger) or 1 min oy noise simulator (pulse w by noise s	NPN open collector: Max. 30VDC== 100i idth 1µs) ±2kV idth 1µs) ±500V 1 min) in each X, Y, Z direct for 3 times for 3 times 117g) Approx. 235g (approx.	1 NPN open collector: 2 mA etion for 1 hour ion for 10 min 170g) Approx. 240g (approx. 175g)	
Exter Mem Insul Diele Noisa immu Vibra Shoc Rela cycle Prote Environment Approx	staff rnal pool poor retered ation recepting staff rnal pool poor retered ation recepting staff rnal pool poor retered ation recepting staff rnal pool pool pool pool pool pool pool po	Capacity ide Type ide Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mechanical	Max. 250VAC~ 3A, Max. 12VDC= ±10% Approx. 10 years (no Over 100MΩ (at 500') 3,000VAC 50/60Hz f Square-wave noise b 0.75mm amplitude at 0.5mm amplitude at 1300m/s² (approx. 300' 100m/s² (approx. 100' Min. 5,000,000 operati Front part: IP50 (IEC -10 to 55°C, storage: 35 to 85%RH, storag € Approx. 157g (approx.	30VDC:= 3A resistive load a, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse w by noise si	NPN open collector: Max. 30VDC== 100i idth 1µs) ±2kV idth 1µs) ±500V 1 min) in each X, Y, Z direct for 3 times for 3 times for 3 times 117g) Approx. 235g (approx. 115g) Approx. 233g (approx. 115g) Approx. 235g (approx. 115	1 NPN open collector: 2 mA ction for 1 hour ion for 10 min 170g) Approx. 240g (approx. 175g 168g) Approx. 238g (approx. 173g	
Exter Mem Insul Diele Noist immu Vibra Shoc Relacycle Envirment Appr Appr Appr Appr Appr Appr Appr App	station reception recept	Capacity ide Type ide Capacity wer supply*1 ention esistance rength AC voltage AC/DC voltage Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction tructure Ambient temp. Ambient humi.	Max. 250VAC~ 3A, Max. 12VDC= ±10% Approx. 10 years (no Over 100MΩ (at 500) 3,000VAC 50/60Hz f Square-wave noise b 0.75mm amplitude at 0.5mm amplitude at 1300m/s² (approx. 30) 100m/s² (approx. 100 Min. 5,000,000 operati Front part: IP50 (IEC -10 to 55°C, storage: 35 to 85%RH, storag C € Approx. 157g (approx. Approx. 156g (approx. Approx. 156g (approx.	30VDC:= 3A resistive load a, 100mA n-volatile memory) VDC megger) or 1 min by noise simulator (pulse w by noise si	NPN open collector: Max. 30VDC== 100i idth 1µs) ±2kV idth 1µs) ±500V 1 min) in each X, Y, Z direct for 3 times for 3 times for 3 times 117g) Approx. 235g (approx. 115g) Approx. 233g (approx. 115g) Approx. 234g (approx. 116g) Approx. 234g (approx. 116	1 NPN open collector: 2 mA etion for 1 hour ion for 10 min 170g) Approx. 240g (approx. 175g)	

^{※1:} This is for the voltage input (PNP)/no-voltage input (NPN) selectable model (CX6□-□).
※2: The weight includes packaging. The weight in parenthesis is for unit only.

M-42 **Autonics**

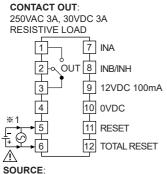
^{*}Environment resistance is rated at no freezing or condensation.

Connections

CX6S Series

1. Voltage input (PNP), no-voltage input (NPN) selectable model

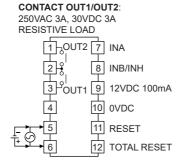
■ CX6S-1P



SOURCE: 100-240VAC 50/60Hz 6.4VA

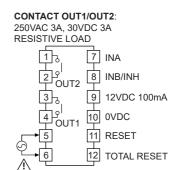
24VAC 50/60Hz 5.5VA 24-48VDC 3.5W

● CX6S-2P2



SOURCE: 24VAC 50/60Hz 5.6VA 24-48VDC 3.6W

CX6S-2P4



SOURCE:

100-240VAC 50/60Hz 6.7VA

(J) Temperature Controllers

SENSORS

CONTROLLERS

MOTION DEVICES

SOFTWARE

(K) SSRs

(L) Power Controllers

2. Free voltage input model

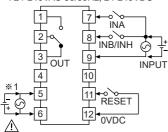
● CX6S-1P□F

CONTACT OUT

: 250VAC 3A, 30VDC 3A RESISTIVE LOAD

SIGNAL INPUT

: 24-240VAC 50/60Hz, 24-240VDC



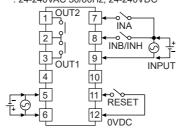
SOURCE: 100-240VAC 50/60Hz 4.2VA 24VAC 50/60Hz 3.6VA 24-48VDC 2.5W

CX6S-2P2F

CONTACT OUT1/OUT2 : 250VAC 3A, 30VDC 3A

RESISTIVE LOAD SIGNAL INPUT

: 24-240VAC 50/60Hz, 24-240VDC



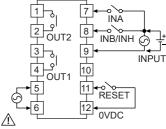
SOURCE: 24VAC 50/60Hz 4.0VA 24-48VDC 2.8W

CX6S-2P4F

CONTACT OUT1/OUT2

: 250VAC 3A, 30VDC 3A RESISTIVE LOAD SIGNAL INPUT

: 24-240VAC 50/60Hz, 24-240VDC



SOURCE: 100-240VAC 50/60Hz 4.9VA

(M) Counters

(N) Timers

(O) Digital Panel Meters

(P) Indicators

(Q) Converters

(R) Digital Display Units

(S) Sensor Controllers

(T) Switching Mode Power Supplies

(U) Recorders

(V) HMIs

(W) Panel PC

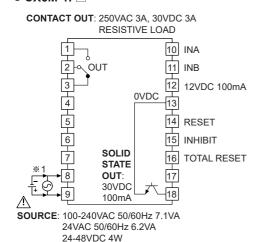
(X) Field Network Devices

Connections

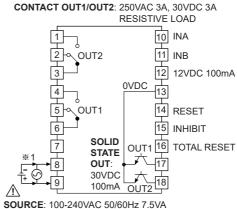
CX6M Series

1. Voltage input (PNP), no-voltage input (NPN) selectable model

■ CX6M-1P



● CX6M-2P



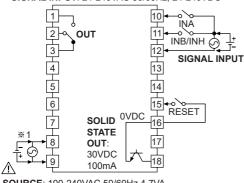
SOURCE: 100-240VAC 50/60Hz 7.5VA 24VAC 50/60Hz 6.3VA 24-48VDC 4.1W

2. Free voltage input model

● CX6M-1P□F

CONTACT OUT: 250VAC 3A, 30VDC 3A RESISTIVE LOAD

SIGNAL INPUT: 24-240VAC 50/60Hz, 24-240VDC

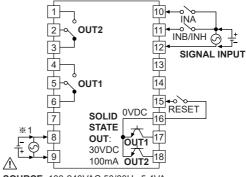


SOURCE: 100-240VAC 50/60Hz 4.7VA 24VAC 50/60Hz 3.9VA 24-48VDC 2.9W

X1: AC voltage type: 100-240VAC 50/60Hz
AC/DC voltage type: 24VAC 50/60Hz, 24-48VDC

● CX6M-2P□F

CONTACT OUT1/OUT2: 250VAC 3A, 30VDC 3A RESISTIVE LOAD SIGNAL INPUT: 24-240VAC 50/60Hz, 24-240VDC



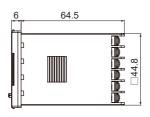
SOURCE: 100-240VAC 50/60Hz 5.4VA 24VAC 50/60Hz 4.5VA 24-48VDC 3.3W

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Dimensions

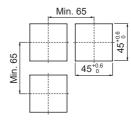
CX6S Series





O Panel cut-out

CX6S Series



(unit: mm)

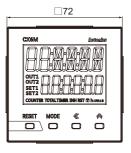
SENSORS

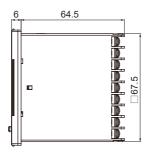
CONTROLLERS

MOTION DEVICES

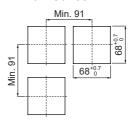
SOFTWARE

O CX6M Series





CX6M Series



(J) Temperature Controllers

K) SSRs

(L) Power Controllers

(M) Counters

)

(O) Digital Panel Meters

(P) Indicators

(Q) Converters

(R) Digital Display Units

(S) Sensor Controllers

(T) Switching Mode Power Supplies

(U) Recorders

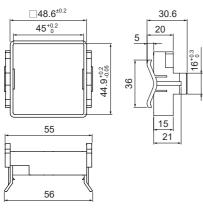
(V) HMIs

(W) Panel PC

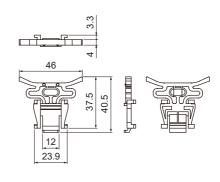
(X) Field Network Devices

O Bracket

CX6S Series

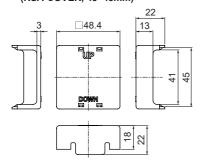


CX6M Series

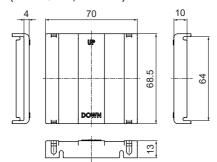


○ Terminal cover (sold separately)

CX6S Series (RSA-COVER, 48×48mm)



● CX6M Series (RMA-COVER, 72×72mm)

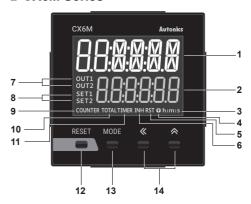


Unit Description

CX6S Series



CX6M Series



1. Counting value display component (white)

RUN mode: Displays counting value for counter operation or time progress value for timer operation. Function setting mode: Displays parameter.

2. Setting value display component (green)

RUN mode: Displays setting value.

Function setting mode: Displays parameter setting value.

- 3. Time unit indicator (h:m:s): Turns ON for time unit for timer.
- 4. Key lock indicator (Turns ON for key lock setting.
- 5. Reset input indicator (RST): Turns ON for reset key input or reset signal input.

6. INH indicator (INH)

For the voltage input (PNP)/no-voltage input (NPN) selectable model (CX6□+□□), it turns ON for INHIBIT signal input. (In case of CX6S Series and timer mode, it turns ON for INB/INH signal input.)

For free voltage input model (CX6D-DF), it turns ON for INB/INH signal input for timer.

- 7. Output indicator (OUT1, OUT2): Turns ON for the dedicated control output ON.
- 8. SV checking and changing indicator (SET, SET1, SET2) (green): Turns ON when checking and changing SV.
- 9. COUNTER indicator (COUNTER): Turns ON for counter operation.
- $\textbf{10. TOTAL indicator}^{\$1} \textbf{(TOTAL):} \ \text{In case of TOTAL counter display mode, it turns ON with the COUNTER indicator.}$
- 11. TIMER indicator (TIMER): Flashes (progressing time) or Turns ON (stopping time) for timer operation.

12. RESET key

RUN mode, Function setting mode: Press the RESET key to reset the counting value and turn OFF the output. TOTAL counter display mode^{x1}: Press the RESET key to reset the counting value of TOTAL counter.

13. MODE key

RUN mode: Hold the MODE key over 3 sec to enter function setting mode.

Press the MODE key to select SV2 (SET2)/SV1 (SET1)/TOTAL counter*1 display for counter operation.

Function setting mode: Hold the MODE key over 3 sec to return RUN mode.

Press the MODE key to save the SV and enter the next setting.

Function setting check mode: Hold the MODE key over 1 sec to return RUN mode.

Changing SV mode: Press the MODE key to save SV and return RUN mode.

14. **⟨⟨**, **| key**

1) 🕷 ke

RUN mode: Press the R key to change SV and move SV (SET, SET1, SET2) digits.

Changing SV mode: Press the key to change digits.

2) key

Changing SV mode: Increases SV.

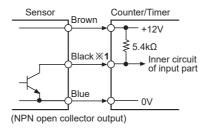
Function setting mode: Changes the settings.

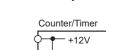
※1: This is for the voltage input (PNP)/no-voltage input (NPN) selectable model (CX6□-□□).

■ Input Connections

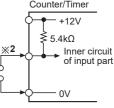
• Solid-state input (standard sensor: NPN output type sensor)

Counter/Timer Brown +12V 5.4kΩ Black ×1 Inner circuit of input part Blue 0V (NPN output)





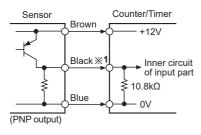
Contact input

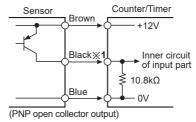


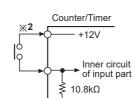
X1: CP1, CP2 (INHIBIT), SET input part X2: Set counting speed as 1 or 30cps.

O Voltage input (PNP)

Solid-state input (standard sensor: PNP output type sensor)







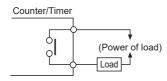
0V

Contact input

X1: CP1, CP2 (INHIBIT), SET input part X2: Set counting speed as 1 or 30cps.

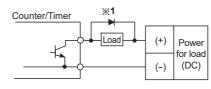
Output Connections

Contact output



XSelect the load which capacity is not over contact capacity.

Solid-state output



XFor solid state output, select load power and load not to be over (max. 30VDC, 100mA), swithching capacity.

XDo not supply reverse polarity voltage.

X1: For using inductive load (relay, etc.), connect surge absorber (diode, varistor etc.) at the both ends of load.

SENSORS

CONTROLLERS

MOTION DEVICES

SOFTWARE

(J) Temperature Controllers

(L) Power Controllers

(M) Counters

(O) Digital Panel Meters

(P) Indicators

(Q) Converters

(R) Digital Display Units

(S)

Sensor Controllers

(T) Switching Mode Power Supplies

(U) Recorders

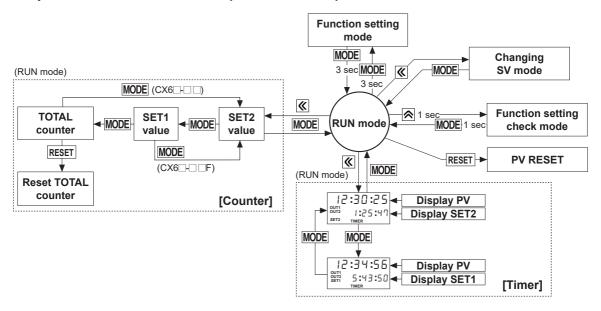
(V) HMIs

(W) Panel PC

(X) Field Network

Autonics

Operations and Functions (counter/timer)



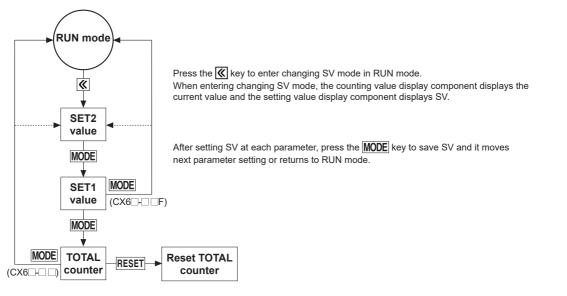
Counter mode

• Changing SV mode

When input signal is ON during changing SV, it operates counting and output control.

It is available to set SV as '0' and the dedicated output for SV '0' occurs.

There are output mode which cannot set SV as '0'. (the setting value display component flashes three times when SV is set as '0')



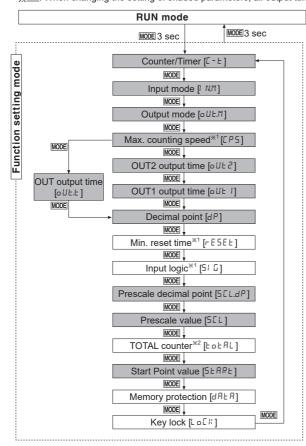
M-48 Autonics

• Function setting mode

×1: In case of free voltage input model (CX6□+□□F), these parameters do not appear due to fixed setting.

※2: This parameter is for the voltage input(PNP)/no-voltage input(NPN) selectable model (CX6□-□□).

: When changing the setting of shaded parameters, all output turn OFF.



-Hold the **MODE** key over 3 sec in RUN mode and it enters function setting mode.

 -Hold the MODE key over 3 sec in function setting mode and it returns to RUN mode. CONTROLLERS

SENSORS

MOTION DEVICES

SOFTWARE

(J) Temperature Controllers

K) SSRs

(L) Power Controllers

(M) Counters

) mers

(O) Digital Panel Meters

(P) Indicators

(Q) Converters

(R) Digital Display Units

(S)

Sensor Controllers

(T) Switching Mode Powe Supplies

(U) Recorders

Recorders

V) IMIs

(W) Panel PC

(X) Field Network Devices

• Function setting check mode (only for free voltage input model (CX6———F))

- -When checking the saved parameters, press the MODE, key to check next item.
- -At function setting check mode, the counting value display component displays the parameters and the setting value display component displays the SV of the parameters.

• Checking SV of TOTAL counter

-At TOTAL counter operation, the counting value display component displays the current value and the setting value display component displays TOTAL counter counting value.

%When TOTAL counter counting value is over 999999, it counts from 0 again.

Switching display of the setting value display component

(only for voltage input (PNP)/no-voltage input (NPN) selectable model (CX6 \square - \square)

-In case of 2-stage setting model(CX6 \square -2P \square), whenever pressing the MODE key, each SET2, SET1, TOTAL COUNTER value displays consecutively.

• Display HOLD output mode for counter

- -It displays the over value of prescale value.
- -When SV is n multiplied by prescale value and the display value after HOLD output mode and SV are different, the prescale value is not the 1/n time of SV.

• RESET

- -In RUN mode, function setting mode, press the RESET key to reset the current value and the output turns OFF.
- -At TOTAL counter display mode, press the RESET key to reset TOTAL counter counting value and the current counting value.

■ Parameter Setting (Counter)

(MODE key: moves parameters, key: changes parameter setting value)

Parameter	Parameter setting value		
Counter/Timer	EaUnt ←→ tinE		
Input mode	UP → UP-1 → UP-2 → UP-3 → dn → dn-1 ¬ Ud-C*1 ← Ud-b*1 ← Ud-A ← dn-3 ← dn-2		
Output mode	Input mode is UP, UP-1, UP-2, UP-3 or dn, dn-1, dn-2, dn-3, F→n→ [→r→ P→P→P→P→P→P→P→P→P→P→P→P→P→P→P→P→P→P→		
Max. counting speed ^{x2} [EP5]	 		
OUT 2 output time**3 [pUt2]	Set one-shot output time of OUT 2. Setting range: 00.01 to 99.99 sec When output mode is F, n, 5, ₺, d, this parameter does not appear. (fixed as HOLD)		
OUT 1 output time*3 [pUE 1]	XSet one-shot output time of OUT 1. XSetting range: 00.01 to 99.99 sec, Hold XWhen number of tens digit is flashing, press the Key once and HoLd appears. XWhen output mode is 5, ₺, d, this parameter does not appear. (fixed as HOLD)		
OUT output time*3 [all E.E.]	※Setting range: 00.01 to 99.99 sec ※When output mode is F, n, 5, ₺, d, this parameter does not appear. (fixed as HOLD)		
Decimal point ^{*4} [dP]	*Decimal point is applied to PV and SV.		
Min. reset time*2 [-E5Eb]	/ → ≥0, unit: ms XSet min. width of external reset signal input.		
Input logic ^{*2} [51 [5]	ոՔո: No-voltage input, ՔոՔ: Voltage input		
Prescale decimal point*4 [5 [L.d P]	*Decimal point of prescale should not set smaller than decimal point [dP].		
Prescale value	XSetting range: 0.00001 to 99999.9 XSetting range of prescale is linked with prescale decimal point [5[LdP] setting.		
TOTAL counter*1 [LatAL]	an ←→aFF		
Start point value [5 £ RR £]			
Memory protection [dRER] **ELr: Resets the counting value when power OFF. ref: Maintains the counting value when power OFF. (memory protection)			
Key lock	XLoff : Unlock keys, key lock indicator turns OFF		

^{※1:} For voltage input (PNP), no-voltage input (NPN) model (CX6□-□□).

M-50 Autonics

^{※2:} For free voltage input model(CX6□-□ □F), these parameters do not appear due to fixed setting.

^{※3:} For 1-stage setting model (CX6□-1P□□), all I does not appear.

The oUt 2 output time is displayed as oUt.t.

^{×4:} Decimal point and prescale decimal point

⁻Decimal point: Set the decimal point for display value regardless of prescale value.

⁻Prescale decimal point: Set the decimal point for prescale value of counting value regardless of display value.

■ Input Operation Mode (Counter) Counting chart Input mode Operation SENSORS No counting CONTROLLERS *When INA is counting input, INB is no INB UP counting input. No counting When INB is counting input, INA is no [UP] MOTION DEVICES counting input. Count SOFTWARE INA ※When INA input signal is rising (

√), INB UP-1 No counting 5 [UP-1] ※INA: Counting input Count (J) Temperature Controllers INB (L) UP-2 it counts. Power Controllers No counting XINA: Counting input [UP-2] Count (M) Counters INA INB H (O) Digital Panel Meters UP-3 (_), it counts. [UP-3] XINA: Counting input Count (P) Indicators No counting INA (Q) Converters INB (R) Digital Display Units counting input. Down No counting [dn] When INB is counting input, INA is no counting input. Count (S) Sensor Controllers n-7 (T) Switching Mode Power Supplies INA (U) Recorders INB Down-1 it counts. No counting ×INA: Counting input [dn-1] XINB: No counting input (V) HMIs Count n-5 0 (A) (X) Field Network INB Down-2 No counting n ※INA: Counting input [dn-2]

n-3

n-4

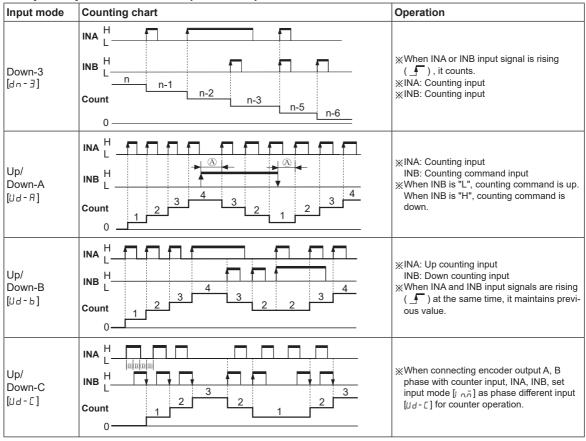
Count

0

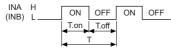
Autonics M-51

XINB: No counting input

■ Input Operation Mode (Counter)



※A: over min. signal width, B: over than 1/2 of min. signal width. If the signal is smaller than these width, it may cause counting error (±1).



XT.on, T.off: Min. signal width

XThe meaning of "H", "L"

Input method Character		No-voltage input (NPN)
Н	5-30VDC	Short
L	0-2VDC	Open

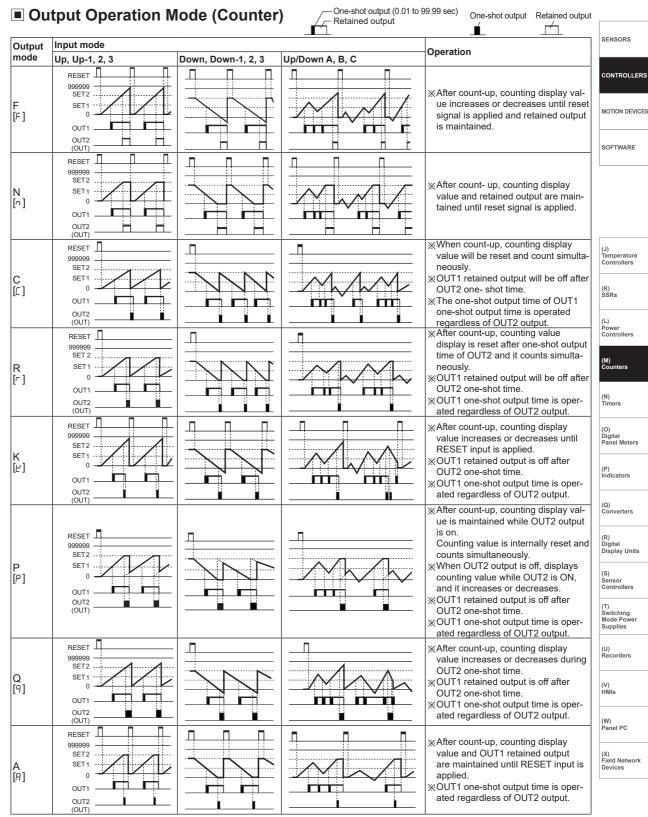
XMin. signal width by counting speed

[CX6---]

Counting speed	Min. signal width
1cps	500ms
30cps	16.7ms
300cps	1.67ms
1kcps	0.5ms
5kcps	0.1ms

Counting speed	Min. signal width
20cps	25ms

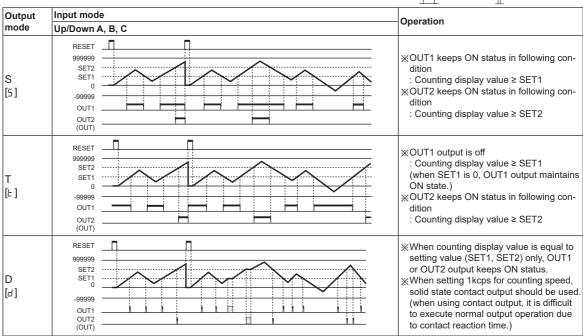
M-52 Autonics



 x_0UEI is available to set as '0' regardless of output mode. The output for '0' setting executes $x_1 = 0$ output mode for x_0UEI , setting '0' is not available.

Output Operation Mode (Counter)





 $\Re a U E I$ is available to set as '0' regardless of output mode. The output for '0' setting executes $\Re \ln \operatorname{case}$ of \mathcal{L}_{r} , \mathcal{P}_{r} , \mathcal{P}_{r} output mode for $a U E \mathcal{E}_{r}$, setting '0' is not available.

Output Operation for Other Conditions

- When Start Point is larger or equal than setting value (UP, UP - 1, UP - 2, UP - 3, Ud - B, Ud - b, Ud - C mode)
 - When setting SET2>Start Point>SET1

-IJP, IJP- I, IJP- Ž, IJP- ∄ mode: Output of @IJE I does not execute. When PV is same as SET2, output of @IJE I turns ON. -IJd- R, IJd- B *1, IJd- B *1, IJd- B *1, IJd- B *1, Ud- B *1, Ud

When setting SET2>Start Point=SET1

-In case of UP, UP- 1, UP- 2, UP- 3, Ud- 8, Ud- 6 ^{×1}, Ud- 6 ^{×1}, Ud- 6 ^{×1} mode, output of OUT1 turns ON when RESET ON to OFF.

X1: This is for the voltage input(PNP)/no-voltage input(NPN) selectable model (CX6□-□□).

When SET1 is larger or equal than SET2 at down mode

- When SET2>SET1
 - -Output of all I does not execute.
- When SET2=SET1

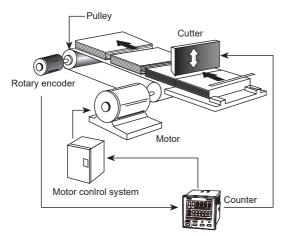
-Output of out I turns ON for RESET OFF.

M-54 Autonics

■ Prescale Function (Counter)

This function is to set and display calculated unit for actual length, liquid, position, etc. It is called "prescale value" for measured length, liquid, or position, etc per 1 pulse. For example, when moving L, the desired length to be measured, and P, the number of pulses per 1 revolution of a rotary encoder, occurs, prescale value is L/P.

E.g.) Positioning control by counter and encoder



[Diameter (D) of pulley connected with encoder= 22mm, the number of pulses by 1 rotation of encoder=1,000]

•Prescale value = $\frac{\pi \times \text{Diameter (D) of pulley}}{\text{The number of pulses by 1 rota}}$

The number of pulses by 1 rotation of encoder

= \frac{3.1416 \times 22}{1000}

= 0.069mm/pulse

Set decimal point[dP] as [-----], prescale decimal point [5[LdP]] as [-----], prescale value [5[L]] as [0.069] at function setting mode. It is available to control conveyer position by 0.1mm unit.

■ Start Point Function (Counter)

In case of counter operation, set the start value for counting at Start point [5 £ A r £].

- It is not available for dn, dn-1, dn-2, dn-∃ input mode.
- When pressing the RESET key, PV is reset as the start point value.
- In case of $^{\zeta}$, $^{\rho}$, q output mode, it counts up and PV starts from the start point value.

SENSORS

CONTROLLERS

MOTION DEVICES

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(J) Temperature Controllers

> ⟨) SRs

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(M) Counters

> l) mers

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(S) Sensor Controllers

(T) Switching Mode Power Supplies

(U) Recorders

> n) MIs

(W) Panel PC

(X) Field Network Devices

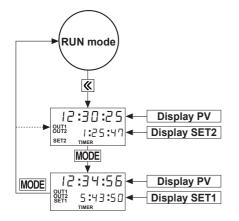
■ Timer mode

• Changing SV mode

When input signal is ON during changing SV, it operates counting and output control.

It is available to set SV as '0' and the dedicated output for SV '0' occurs.

There are output mode which cannot set SV as '0'. (the setting value display component flashes three times when SV is set as '0'.)

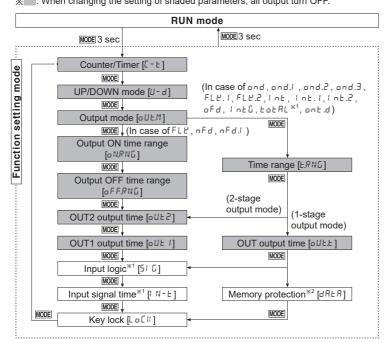


Press the key to enter changing SV mode in RUN mode.

When entering changing SV mode, the counting value display component displays the current value and the setting value display component displays SV.

After setting SV at each parameter, press the MODE key to save SV and it moves next parameter setting or returns to RUN mode.

• Function setting mode



-Hold the MODE key over 3 sec in RUN mode and it enters function setting mode. -Hold the MODE key over 3 sec in function setting mode and it returns to RUN mode.

M-56 Autonics

• Switching display of the setting value display cor	nponent
Select the display value at the setting value display component.	

Depends on output mode, there are manual display switching and auto display switching -Manual display switching

1) In case of 2-stage setting model (CX6 \square -2P \square) and \square Nd, \square

-Auto display switching

1) When output mode is FL K, NFd, NFd, I for 1-stage or 2-stage setting model (CX6—1/2P——) and I NE2 mode for 2-stage setting model (CX6—2P——), the setting value display component automatically displays the set times depends on the operation status.

RESET

-In RUN mode, function setting mode, press the RESET key to reset the current value and the output is also reset.

• Display type of the setting value display component by output mode

-In case of 1-stage setting model (CX6 -1P -1), SET is available and there is one setting value.

-In case of 1-stage setting model (CX6□-1P□□), ! NE.2 output mode is not available.

-FL " output mode has ŁõFF, ŁoÑ setting values. In case of 2-stage setting model (CX6□-2P□□) and 1-stage setting model (CX6□-1P□□), each SET2, SET display is available.

(E.oFF, E.oN setting value is for OUT2 output. It displays SET2 or SET.)

-The other output modes display SET2 or SET and have one setting value.

(only for 1-stage setting model (CX6□-1P□□))

Zero blanking display

PV is displayed with zero blanking for the highest unit.

E.g.)When time range is 99m59.99s and PV is 00m04.05s, zero blanking is applied to minute which is the highest unit.

At the below digits of decimal point, it is not applied.

It displays as "0:04.05".

SENSORS

CONTROLLERS

MOTION DEVICES

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(Q) Converters

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(S) Sensor Controllers

(T) Switching Mode Power Supplies

(U) Recorders

> V) IMIs

(W) Panel PC

(X) Field Network Devices

■ Parameter Setting (Timer) (MODE key: moves parameters, key: changes parameter setting value)

Parameter Parameter setting value			
Counter/Timer	EaUnt ←→ ti ñE		
Up/Down mode	UP ←→ dn ×UP: Time progresses from '0' to the setting time. dn: Time progresses from the setting time to '0'.		
Output mode	ond→ond.I→ond.2→ond.3→FL.Y.→FL.YI→FL.Y2→Int $-$ ont.d←tot.RL $^{\times 1}$ ←Int.G←nFd.I←nFd←oFd←Int.2 $^{\times 2}$ ←Int.I		
Time range [L.RNG]*3 output ON TIME range	999.999 → 9999.9 → 999999 → 999.59.9 → 999.59.9 THICK mis		
[bNRNG]*4, output OFF TIME range [bFF.RNG]*4	↑ 99999999999999999999999999999999999		
OUT 2 output time ^{*5}			
OUT 1 output time*5			
OUT output time*5			
Input logic ^{*6} [5/ [5]	ոԲո: No-voltage input, ԲոԲ: Voltage input		
Input signal time ^{*6} [I N-E]	/ ← → ≥□, unit: ms		
Memory protection [러유노위]	ELr ← → rEE ※ELr: Resets the counting value when power OFF. r EE: Maintains the counting value when power OFF. (memory protection)		
Key lock	XLoFF: Unlock keys, key lock indicator turns OFF LoC.1: Locks reser key, key lock indicator turns ON LoC.2: Locks ⟨⟨ ⟨ ⟨ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ keys, key lock indicator turns ON LoC.3: Locks ⟨⟨ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ keys, key lock indicator turns ON LoC.3: Locks reser ⟨⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ keys, key lock indicator turns ON		

X1: This is for the voltage input (PNP)/no-voltage input (NPN) selectable model (CX6□-□□).

M-58 Autonics

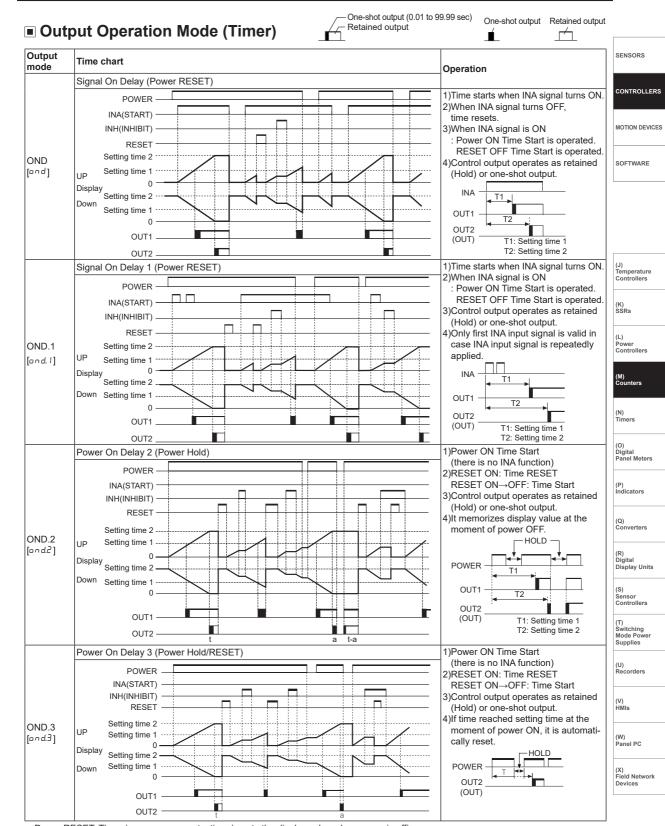
^{*2:1} n Ł.2 mode is available only for 2-stage setting model(CX6□-2P□□).

^{*3:} When output mode is OND, ONd1, ONd2, ONd3, FLk1, FLk2, INT, INt1, INt2, OFD, INTG, TOTAL, ONtD, set time range [LRNL].

^{**4:} When output mode is FLK, NFD, NFD.1, set output ON TIME range [aNRNG] and output OFF TIME range [aFRNG].

^{※5:} In case of 1-stage setting model (CX6□-1P□□), □UE / output time does not appear.
□UE 2 output time is displayed as □UE.E.

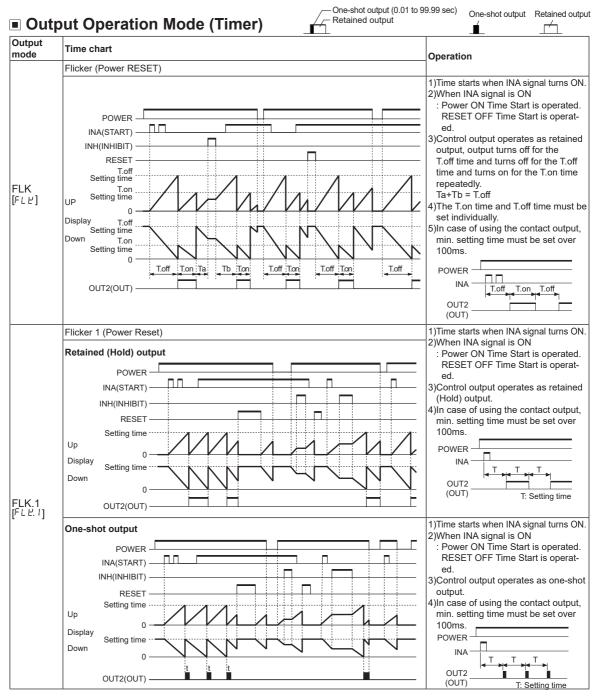
X6: In case of free voltage input model (CX6□-□□F), this parameter does not appear due to fixed setting.



 $[\]ensuremath{\mathbb{X}}$ Power RESET: There is no memory protection. (resets the display value when power is off)

^{*}Power Hold: There is memory protection.

⁽memorizes the display value at the moment of power off, indicates the memorized display value when power is resupplied.)

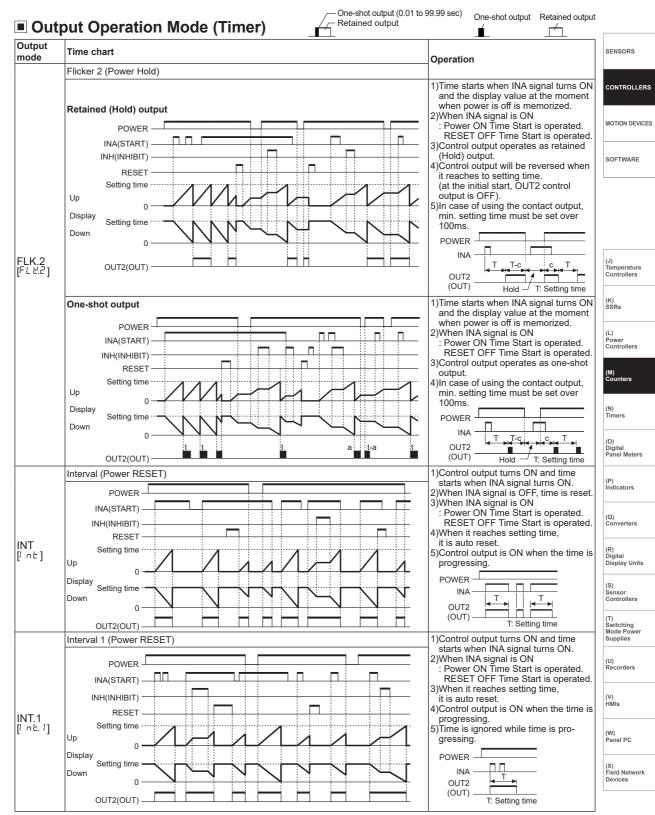


 $[\]frak{K}$ Power RESET: There is no memory protection. (resets the display value when power is off)

M-60 Autonics

[※]Power Hold: There is memory protection.

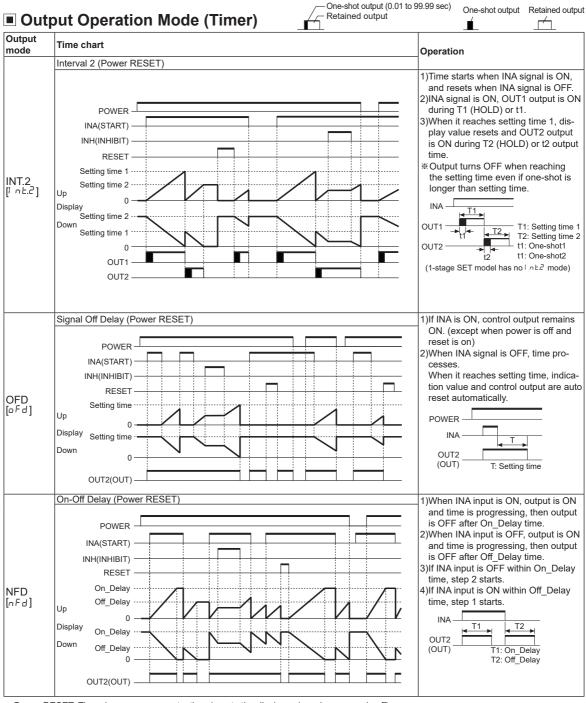
⁽memorizes the display value at the moment of power off, indicates the memorized display value when power is resupplied.)



M-61 Autonics

**Power RESET: There is no memory protection. (resets the display value when power is off) *Power Hold: There is memory protection.

⁽memorizes the display value at the moment of power off, indicates the memorized display value when power is resupplied.)

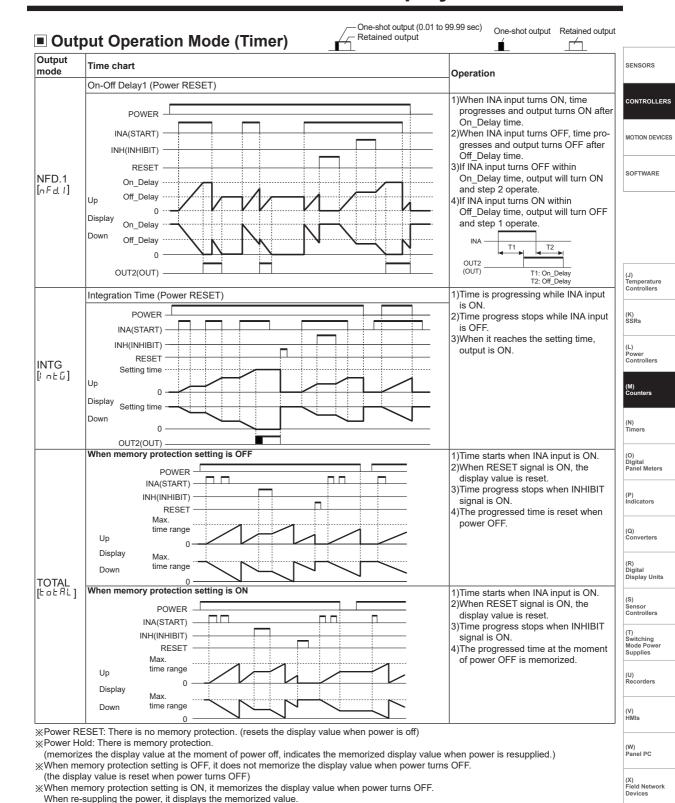


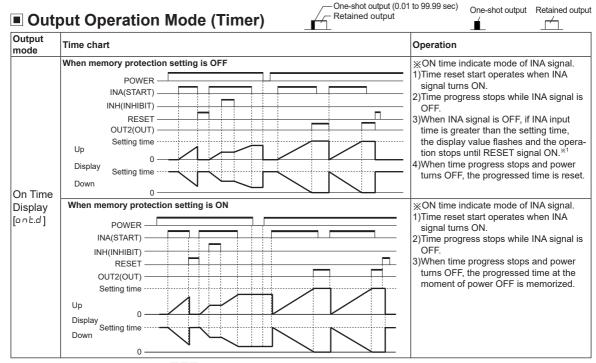
X Power RESET: There is no memory protection. (resets the display value when power is off)

M-62 Autonics

^{*}Power Hold: There is memory protection.

⁽memorizes the display value at the moment of power off, indicates the memorized display value when power is resupplied.)





^{※1:} For free voltage input model (CX6□-□□F).

M-64 Autonics

^{**}Power RESET: There is no memory protection. (resets the display value when power is off)

[※]Power Hold: There is memory protection.

⁽memorizes the display value at the moment of power off, indicates the memorized display value when power is resupplied.)

When memory protection setting is OFF, it does not memorize the display value when power turns OFF. (the display value is reset when power turns OFF)

wWhen memory protection setting is ON, it memorizes the display value when power turns OFF.

When re-suppling the power, it displays the memorized value.

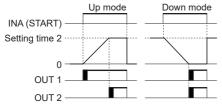
- Timer '0' Time Setting
- O Available output operation mode to set '0' time setting

One-shot output (0.01 to 99.99 sec)
Retained output

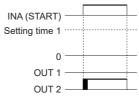
One-shot output Retained output

Operation according to output mode (at 0 time setting)

- 1) OND (Signal ON Delay) mode [pnd]
- Set '0' for setting time1 .



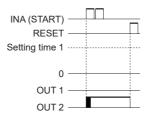
Set '0' for setting time2 .



2) OND.1 (Signal ON Delay 1) mode [pnd.1]
• Set '0' for setting time1.
• Set '0' for setting

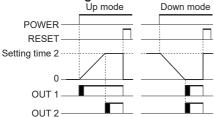


• Set '0' for setting time2 .

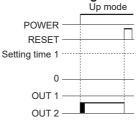


3) OND.2 (Power ON Delay 2) mode [ond.2]

• Set '0' for setting time1 .

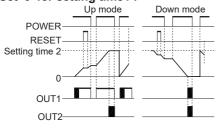


• Set '0' for setting time2 .

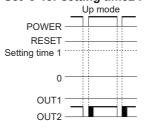


4) OND.3 (Power ON Delay 3) mode [ond.∃]

• Set '0' for setting time1 .

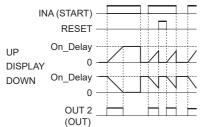


• Set '0' for setting time2 .

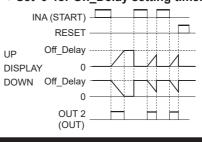


5) NFD (ON-OFF Delay) mode [¬F □]

• Set '0' for Off_Delay setting time.



• Set '0' for On Delay setting time.



(J) Temperature Controllers

CONTROLLERS

MOTION DEVICES

SOFTWARE

K) SSRs

(L) Power Controllers

(M) Counters

N) Timers

O) Digital Panel Meters

(P) Indicators

(Q) Converters

(R) Digital Display Units

(S) Sensor Controllers

(T) Switching Mode Power Supplies

(U) Recorders

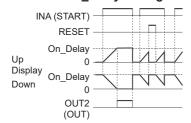
(V)

(W) Panel PC

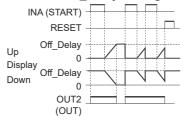
(X) Field Network Devices

6) NFD.1 (ON-OFF Delay1) mode [nFd.1]

• Set '0' for Off Delay setting time.



• Set '0' for On_Delay setting time.



When SET1 is greater than SET2

In case of OND[and], OND.1[and.1], OND.2[and.2], or OND.3[and.3] output mode,

- UP mode: When timer setting value 1 (SET1) is greater than setting value 2 (SET2), pUE I output does not turn ON.
- DOWN mode: When timer setting value 1 (SET1) is greater than setting value 2 (SET2), plb l output does not turn ON.

 When timer setting value 1 (SET1) and setting value 2 (SET2) are same, plb l output turns ON when applied the start signal.

■ Factory Default

	Damanatan	Factory default	
	Parameter	CX6 □	CX6 F
	I N.M	Ud-C	Ud-A
	o U E.M	F	F
	CP5	30	_
	oUt2 (oUt.t *1)	HoLd (fixed)	HoLd (fixed)
	oUE I ^{*1}	00.10	00.10
	d₽		
Counter	r E S E Ł	20 ms	_
	51 6	nPn	_
	5C L.d P		
	SCL	1.00000	1.00000
	ŁoŁAL ^{×2}	oFF	_
	SEARE	000000	000000
	dAF A	ELr	ELr
	U - d	UP	UP
	o U E.M	ond	ond
	oUt2 (oUt.t *1)	HoLd	HoLd
Timer	oUE I*1	00.10	0.0.10
	E.RNG	999.999s	999.999s
	51 G ^{×2}	nPn	_
	1 N - E	20 ms	_
Lo[K	·	L.oFF	L.oFF
SET1		1000	1000
SET2		5000	5000

^{※1:} For 1-stage setting model (CX6□-1P□□), all t does not appear.

Cautions during Use

- Follow instructions in 'Cautions during Use'. Otherwise, it may cause unexpected accidents.
- In case of 24-48VDC, 24VAC model, power supply should be insulated and limited voltage/current or Class 2, SELV power supply device.
- Use the product, 0.1 sec after supplying power.
- When supplying or turning off the power, use a switch or etc. to avoid chattering.
- Install a power switch or circuit breaker in the easily accessible place for supplying or disconnecting the power.
- Keep away from high voltage lines or power lines to prevent inductive noise.
 - In case installing power line and input signal line closely, use line filter or varistor at power line and shielded wire at input signal line. Do not use near the equipment which generates strong magnetic force or high frequency noise.
- This unit may be used in the following environments.
 - ①Indoors (in the environment condition rated in 'Specifications')
 - ②Altitude max. 2,000m
 - ③Pollution degree 2
- 4 Installation category II

The output time of a UE 2 is displayed as a UE.E.

X2: This is for the voltage input (PNP)/no-voltage input (NPN) selectable model (CX6□-□□).