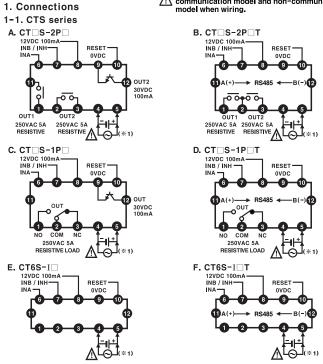
	Upgraded functions	1-2. CTY series A. CT6Y-2P B. CT6Y-2P T
COUNTER/TIMER	Available to set the decimal point position of prescale value to 5 decimal place. Built-in Modbus communication function. (Communication model)	250VAC 3A 250VAC 3A STATE OUT RESISTIVE LOAD RESISTIVE LOAD 30VDC 250VAC 3A 250VAC 3A
CT SERIES	Available to set the One-shot output time in 10ms. (0.01sec to 99.99sec) Increase contact capacity to 5A(CTS, CTM series).	
MANUAL	Available to set Count Start Point (Initial value)	
CE	Improved visibility with high luminance LED. Selectable memory protection function in the indicator.	
Стал-ар	 Added BATCH counter function (CTM sereis) Added Counter UP - I (Up-1)/UP - 2 (Up-2)/dn - I (Down-1)/dn - 2 (Down-2) input modes. 	
	Added Counter Lot RL (TOTAL)/Hold (HOLD) operation modes in the indicator.	
	Added Timer Lot RL (TOTAL)/HoLd (HOLD)/ant.d (On Time Display) operation modes in the indicator. Added Timer Lot 2 (INT2)/nFd (NFD)/nFd. I (NFD.1)/Lot G (INTG) output modes.	
	• Added Timer range 999.999s / 9999m59s / 99999.9h.	250VAC3A SOLID 250VAC3A SOLID RESISTIVE LOAD 30VDC RESISTIVE LOAD 30VDC NC COM NO 100mA NC COM NO 100mA A(+) B(-)
Antoin	Front panel identification	
CTS Series CTY Series CTM Series Thank you very much for selecting Autonics products.	•CTS Series •CTY Series	
For your safety, please read the following before using.		
Caution for your safety		
 *Please keep these instructions and review them before using this unit. *Please observe the cautions that follow; 		
Warning Serious injury may result if instructions are not followed. Caution Product may be damaged, or injury may result if instructions are not followed.		E. CT6Y-I T A(+) B(-) B(-)
*The following is an explanation of the symbols used in the operation manual.		R\$485
△ caution:Injury or danger may occur under special conditions.	910 •CTM Series	
Warning I. In case of using this unit with machineries(Nuclear power control, medical equipment,	Ст6М-2Р	
vehicle, train, airplane, combustion apparatus, entertainment or safety device etc), it requires installing fail-safe device, or contact us for information required.		
It may result in fatal damage, fire or human injury 2. This unit must be mounted on the Panel.		1-3. CTM series
It may cause electric shock. 3. Do not connect terminals when it is power on.		A. CT6M-2P (#2) B. CT6M-2P T (#2) 12VDC 100mA INHIBIT 12VDC 100mA INHIBIT
It may cause electric shock. 4. Do not disassemble and modify this unit. Please contact us if it is required.	Count indicator(Red LED) -Run mode: Count mode-Indicates count value.	INB RESET BATCH RESET INB RESET BATCH RESET
It may cause electric shock and a fire. A Caution	-Function setting mode: Indicates function setting mode.	Solip STATE OUT 30VDC Solip STATE OUT 30VDC SOLIP STATE OUT 30VDC
1. This unit shall not be used outdoors.	Preset value indicator (Yellow-Green LED)	OUTPUT TTCH COMMON OUT1 OUT2 BATCH COMMON OUT1 OUT2 BATCH
It might shorten the life cycle of the product or cause electric shock. 2. When wire connection, AWG 20(0.50mm ²) should be used and screw bolt on terminal	-Run mode: Indicates preset value. II 9 10 -Function setting mode: Indicates setting value.	
block with 0.74N·m to 0.90N·m strength. It may cause malfunction or a fire due to contact failure.	③ Key Lock: Lights when setting key lock. Model Changed Notice ④ The operation of counter indicator CTGY-1P	
 Please observe the rated specifications. It might shorten the life cycle of the product and cause a fire. Do not use the load beyond the rated switching capacity of Relay contact. 	5 The operation of timer indicator C165-IP PS2-PS Inere are no C165-IP OUT2-+OUT PS1, OUT1 LEDs.	
It may cause insulation failure, contact melt, contact failure, relay broken, fire etc. 5. In cleaning the unit, do not use water or an organic solvents.	TMR LED flashes when the timer is operating. CT6M-1P TMR LED lights when the operating time stops. CT67'-1 CT68-1 PS2-PS PS1, OUT1	
It may cause electric shock or a fire. 6. Do not use this unit at place where there are flammable or explosive gas, humidity,	(6) Check preset value and display change of it PS1 LED lights when checking or changing the setting value1. Trime indicator time ideas not wird in CT49 model	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} $
direct ray of the sun, radiant heat, vibration, impact etc. It may cause a fire or explosion.	PS2 LED lights when checking or changing the setting value2. The indicator type does not exist in C143 model.	12VDC 100mA- INHIBIT BATCH RESET INB RESET BATCH RESET
7. Do not inflow dust or wire dregs into the unit. It may cause a fire or mechanical trouble.	OUT1 lights when output1 is ON. OUT2 lights when output2 is ON.	
Ordering information	[8] Reset key By pressing makey in Run mode, the count value is initialized and output is returned.	SOLID STATE OUT 30VDC RS485
CT 6 M – 2P 4 T	By pressing skey in BATCH counter mode, BATCH count value resets.	COMMON OUT BATCH (5 (5 (7 (8 (5 (7 (18) – – – – – – – – – – – – – – – – – – –
Communication Blank None	B Mode key By pressing @key for 3sec (parameter setting)/ 5sec (communication) in RUN mode, it moves to function setting mode. By pressing @key for 3sec (parameter setting)/ 5sec (communication) in RUN mode, it moves to function setting mode.	SOLID STATE OUT
T RS485	By pressing mekey in function setting mode, select function setting mode. By pressing we voer 3 sec., it moves to Run mode.	
Power supply 4 100-240VAC 50/60Hz 2 24VAC 50/60Hz / 24-48VDC	By pressing twey over 1 sec. in function setting checking mode, it moves to Run mode. Set key	
2 2440 30/00/12/24 40/00	 In one of the setting value (PS1, PS2) change status and shift digit of setting value (PS1, PS2). In odecrease setting value in setting value change mode, change setting value in function setting mode, move down 	
Output 1P Single preset	checked value in function setting check mode. To increase setting value in setting value change mode, change setting value in function setting mode, move up	E. CT6M-I (※2) 12VDC 100mA INHIBIT 12VDC 100mA INHIBIT
I Indicator	checked value in function setting check mode. By pressing 🗟 key over 1 sec. in Run mode, enters into function setting check mode.	
Size	BATCH key By pressing key in run mode to enters into BATCH counter indication mode.	
Y DIN W/2×H36mm	BATCH output indicator(Red LED) BATCH setting value checking and changing indicator(Yellow-Green LED)	0000
	Lights when checking and changing BATCH setting value.	A(+) B(-)
Digit type 4 9999(4 Digit) 6 99999(6 Digit)	Dimensions	
Item CT Counter/Timer	•CTS series	
#4 Digit type does not exist in the indicator type. #Upgraded or added functions are seen in the shaded part.		*(1)Source -AC Power: 100-240VAC 50/60Hz -AC Power: 100-240VAC 50/60Hz -Counter operation: If INHIBIT signal is applied, count
Specifications		AC/DC Power: 24-48VDC, 24VAC 50/60Hz input will be prohibited. —Timer operation: If INHIBIT signal is applied, time
Series CTS CTY CTM		progressing will stop.(HOLD) 2. Input and output connections
Digit 4 6 6 6 Dual Preset CT4S-2PID CT6S-2PID CT6Y-2PID CT6M-2PID		2-1.Input logic Selection[No-voltage input(NPN)/Voltage input(PNP)]
Model Single Preset CT4S-1P CT6S-1P CT6Y-1P CT6M-1P Indicator CT6S-ID CT6Y-1D CT6M-ID		CTS Series 1. The power must be cut off. 2. Squeeze toward ① and pull toward ② as shown in picture. (CTS/CTY Series)
Digit Count value 11mm 10mm 10mm 13mm Size Preset value 8mm 7mm 7mm 9mm		
Power AC Power 100-240VAC 50/60Hz Supply AC/DC Power 24VAC 50/60Hz / 24-48VDC	$\begin{array}{ c c c c c } \hline \hline$	No-Voltage input(NPN) Voltage input(PNP) No-Voltage input(NPN) Voltage input(PNF)
Allowable voltage range 90 to 110% of rated voltage (AC Power type)		NPN PNP NPN PNP NPN PNP NPN PNP
consumption AC/DCPower AC: Max. 10VA / DC: Max. 8W		
CPS of INA, INB Selectable 1cps, 30cps, 1kcps, 5kcps, or 10kcps Min. input Counter Reset signal: Selectable 1ms or 20ms		Please Check if the power is cut off. Voltage input(PNP) No-Voltage input(NPN
signal width Timer INA, INH, RESET: Selectable 1ms or 20ms INA, RESET, INHIBIT, BATCH RESET: Selectable 1ms or 20ms	•CTM series	3. Select input logic by using input logic
Selectable voltage input or No-voltage input -Voltage input: input impedance: 5.4k.Q., 'H' level: 5-30VDC, 'L' level: 0-2VDC -No-voltage input: short-circuit impedance: Max. 1k.Q., Residual voltage: Max. 2VDC	86 ●Panel cut-out	switch(SW1) inside Counter/Timer.
One-shot output Selectable 0.01s to 99.99s		2-@. 5. Then supply the power to Counter/Timer.
E Output Single preset: SPDT(1c) 1EA Single preset: SPDT(1c) 1EA Solid state Dual preset: 1NPN open collector Dual preset: 3NPN open collector		
Contact Dual preset: SPST(1a)2EA Dual preset: SPST(1a), SPDT(1c)		2-2. Input connection
O E Output Single preset: SPDT(1c) TEA Single preset: SPDT(1c) 0 Solid state output Dual preset: - Dual preset: - Dual preset: 2NPN open collector 0 Single preset: NPN open collector Single preset: NPN open collector Single preset: 2NPN open collector		A. No-voltage input(NPN) Solid state input(Standard sensor: NPN output type sensor) Contact input
Solution Structure Contact and Contact couput 250VAC 5A resistive load 250VAC 3A resistive load 250VAC 5A resistive load		Sensor Counter/Timer Sensor Counter/Timer Counter/Timer
Solid state output Max. 30VDC, Max. 100mA	■ Guide for connection ∧ Be careful that connections are different between	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
External sensor power 12VDC ±10%, Max. 100mA	Guide for connection Connections Connections Be careful that connections are different between communication model and non-communication model when wiring.	

	ensor power	12VDC ±10%, Max. 100mA							
Memory	retention	10years(When using non-volatile semiconductor memory type)							
Timer		Repeat error, set error, voltage error, temperature error–Power ON Start: Max. \pm 0.01% \pm 0.05 sec -Signal Start: Max. \pm 0.01% \pm 0.03 sec							
Insulatio	n resistance	. 100MΩ (at 500VDC megger)							
Dielectri	c strength	2,000VAC 50/60Hz for 1 minute							
Noise resist	ance(AC Power)	± 2 kV the square wave noise(pulse width:1 $_{\mu s}$) by the noise simulator							
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz(for 1 min.)in each of X, Y, Z direction for 1 hour							
VIDIATION	Malfunction	0.5mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z direction for 10 minutes							
Shock	Mechanical	300m/s ² (Approx. 30G) 3 times at X, Y, Z direction							
SHOCK	Malfunction	100m/s ² (Approx. 10G) 3 times at X, Y, Z direction							
Relay	Mechanical	Min. 10,000,000 times							
Life cycle	Electrical	Min. 100,000 times							
Protectio	on	IP65(Front panel only)							
Environ	Ambient temperature	-10 to 55°C, Storage temperature: -25 to 65°C							
-ment	Ambient humidity	35 to 85%RH, Storage humidity: 35 to 85%RH							
Approva	I	(C, c R1 us							
Unit wei	ght	Approx. 159g Approx. 149g Approx. 253g							
*Enviro	onment res	stance is rated at no freezing or condensation.							
Co	mmunic	ation specification							
Protocol		Modbus RTU(16bit CRC)							
Connecti	ion method	RS485							
Applicatio	on standard	Compliance with EIA RS485							
Number	of connection	31, it is available to set address 1 to 127							
Commur	nication metho	d Half Duplex							
<u> </u>	nous method	Asynchronous							
	nication distan								
	nication speed	2,400/4,800/9,600/19,200/38,400bps(Factory default: 9,600bps)							
· · ·	e waiting time	5 to 99ms(Factory default: 20ms)							
Start bit		1bit(Fixed)							
Data bit		8bits(Fixed)							
Parity bit		None, Even, Odd(Factory default: None)							
Stop bit		1, 2bit(Factory default: 2bit)							



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E. CT6S-I 12VDC 100mA INB / INH INA

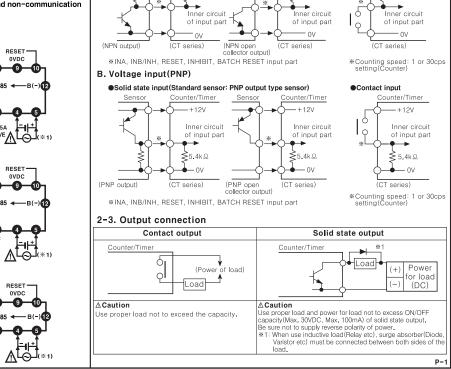
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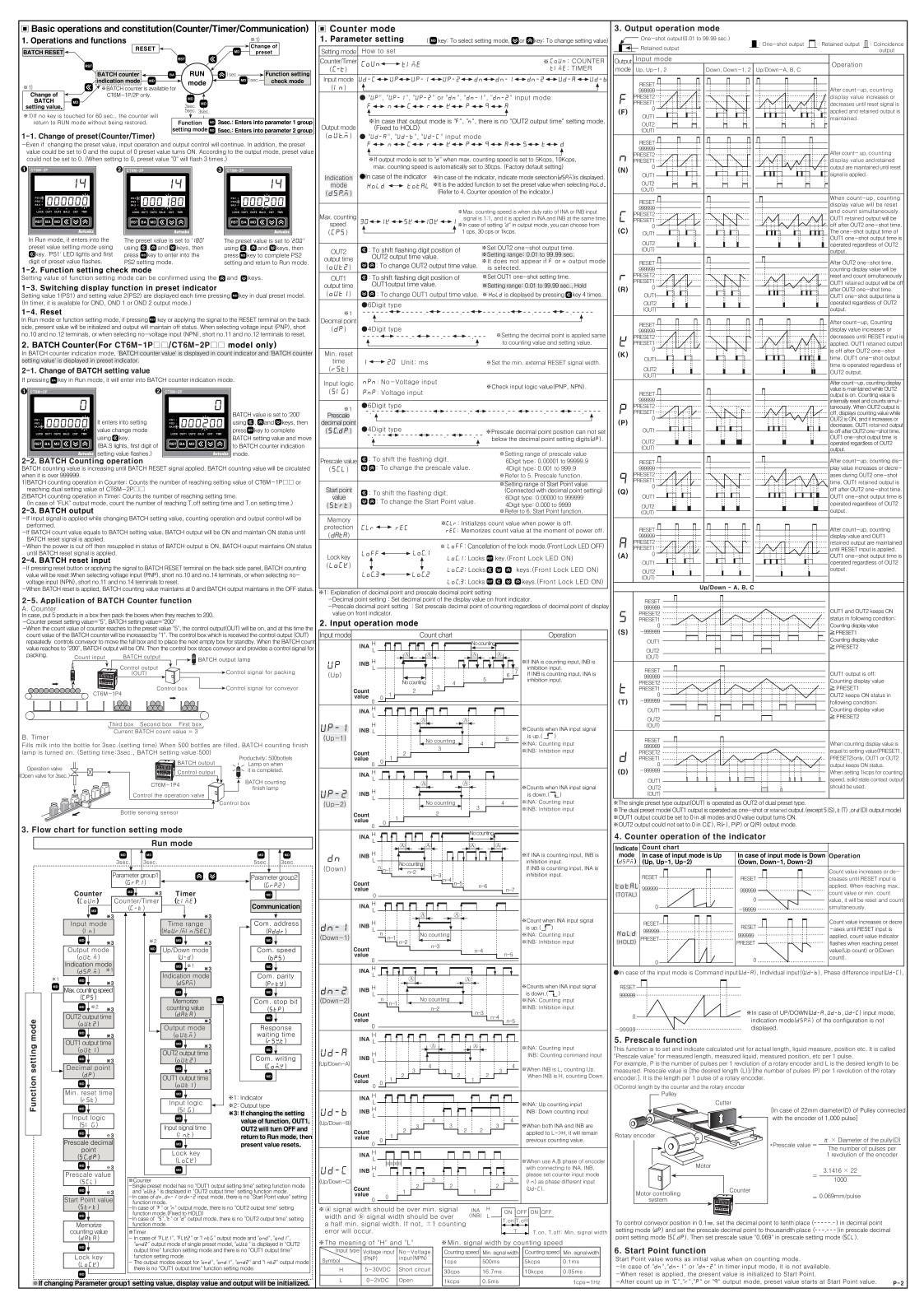
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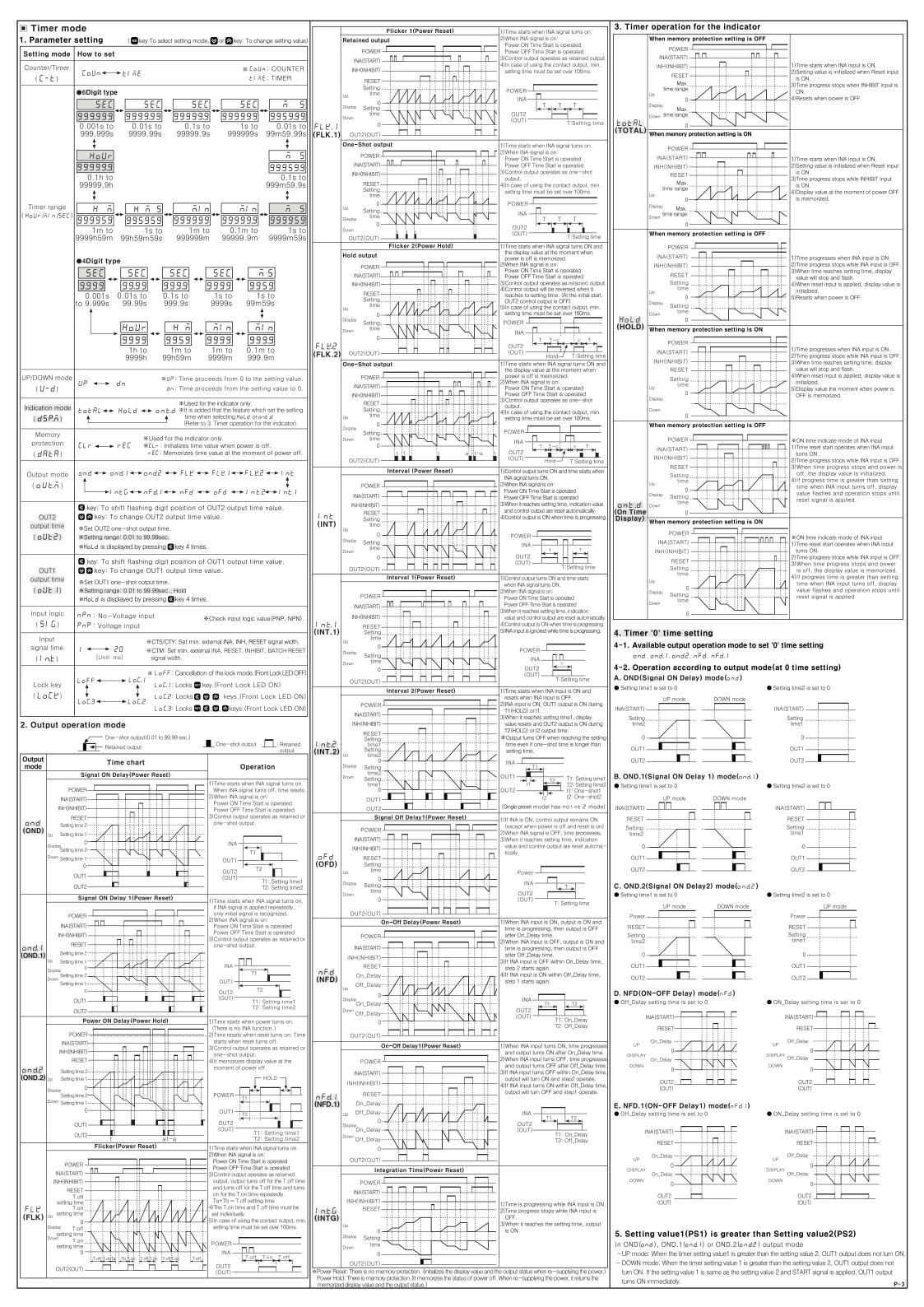
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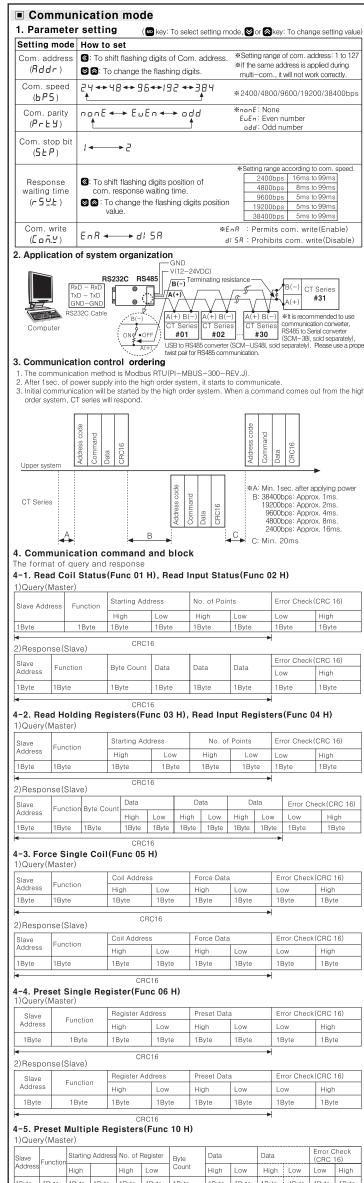
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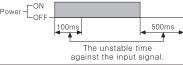




		oping Table										
5-1. Reset	/Outp	ut Explanation		Setting rai	nge	Notice						
00001(0000)	01/05	Reset		0:OFF 1: 0:OFF 1:	ON							
00002(0001) 00003(0002)	01	OUT2 output OUT1 output		0:OFF 1:	ON							
00004(0003) 00005(0004)	01/05	BATCH output BATCH resets		0:OFF 1: 0:OFF 1:				output m output m				
5-2. Termi	nal in	put status										
No. (Address)	Func 02	Explanation INA input status		Setting rat 0:OFF 1:		Notice	ce ninal input status					
10002(0001)	02	INB input status		0:OFF 1:	ON	Termir	nal inp	ut status	;			
10003(0002) 10004(0003)	02 02	INHIBIT input status RESET input status		0:OFF 1: 0:OFF 1:				ut status ut status				
10005(0004)	02	BATCH RESET input st	tatus	0:OFF 1:	ON	Termir	nal inp	ut status				
5-3. Produ No.(Address)	Func	Explanation				Notice)					
30001 to 3010 30101(0064)	0 04 04	Reserved Product number H										
30102(0065)	04	Product number L				Model	IID					
30103(0066) 30104(0067)	04	Hardware version Software version				-						
30105(0068) 30106(0069)	04	Model no. 1 Model no. 2				"CT" "6M"						
30107(006A)	04	Model no. 3 Model no. 4				"-2" "PT"						
30108(006B) 30109(006C)	04	Reserved				-						
30110(006D) 30111(006E)	04	Reserved Reserved				-						
30112(006F) 30113(0070)	04	Reserved Reserved				-						
30114(0071)	04	Reserved				-						
30115(0072) 30116(0073)	04	Reserved Reserved				-						
30117(0074) 30118(0075)	04 04	Reserved Coil Status Start Address	 s			- 0000						
30119(0076) 30120(0077)	04	Coil Status Quantity Input Status Start Addres				- 0000						
30121 (0078)	04	Input Status Quanity				-						
30122(0079) 30123(007A)	04	Holding Register Start A Holding Register Quanti				0000						
30124(007B) 30125(007C)	04	Input Register Start Add Input Register Quantity	ress			0064						
5-4. Monit												
No.(Address)	Func	Explanation		Setting range				Notice				
		BA.O LED display status OUT2 LED display status		0:OFF 1:ON 0:OFF 1:ON				Bit 5 Bit 6				
		OUT1 LED display status BA.S LED display status		0:OFF 1:ON 0:OFF 1:ON				Bit 7 Bit 10				
31001(03E8)	04	LOCK LED display status		0:OFF 1:ON				Bit 11				
		PS2 LED display status PS1 LED display status		0:OFF 1:ON 0:OFF 1:ON			Bit 12 Bit 13					
		TMR LED display status CNT LED display status		0:OFF 1:ON 0:OFF 1:ON		Bit 14 Bit 15						
31002(03E9) 31003(03EA)	04	Present value of BATCH	counter	0 to 999999			For B/ output					
31004(03EB)	04	Present value of counter.	/timer	Counter 6Digit type: -99999 to 999999				Use counter and				
31005(03EC)	04	Present value of counter.	/umer	4Digit type:-9 Timer: Within t	ng range	-						
31006(03ED)	04	Display unit		Counter: decim Timer: Time ran	f display	ay value Counter: 40058 Data Timer: 40102 Data						
31007(03EE)	04	PS(2) setting value		Counter 6Digit type:-9	999999	Use counter and timer in common						
31008(03EF)				4Digit type:-9 Timer: Within t Counter	9 1g range							
31009(03F0)	04	PS1 setting value		Counter 6Digit type: -999999 to 999999 4Digit type: -999 to 9999				timer in common				
31010(03F1) 31011(03F2)				Timer: Within time setting rang			ge Use counter and timer in common			nd		
31012(03F3) 31013(03F4)	04	Setting value of BATCH Checking the input logic		0 to 999999 0: NPN, 1:PNF	>			timer in	comm	on		
*Date format	of 30100	01 (03E8) address bit										
		Bit 12 Bit 11 Bit 10 Bit 1 PS2 Lock BA.S -	9 Bit 8	Bit 7 Bit 6 OUT1 OUT2	Bit 5 BA.O	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0		
· · · · · ·		or 1 0 or 1 0 or 1 0	0	0 or 1 0 or 1	0 or 1	0	0	0	0	0		
		Upper data has high nur alue(Low Word), 31005:			ord)							
		e setting group										
No.(Address) 40001(0000)	Func	Explanation PS2 setting value		tting range unter			Notice	e ounter a	nd time			
40002(0001)	03/06/1	PS setting value	6D	unter igit type: 0 to 99 igit type: 0 to 99	ļ	in cor	nmon					
40003(0002) 40004(0003)	03/06/1	6 PS1 setting value		ner: within time	nge	Use counter and timer in common						
40005(0004) 40006(0005)	03/06/1	6 BATCH counter setting value	0 te	0 to 999999			Use counter and timer in common					
	n setti	ng mode_Counter gr	oup				11 001	million				
No.(Address)	Func	Explanation		tting range			Notice					
40051 (0032)	03/06/1	6 Counter/Timer(E - E)			ELAE		Use co in com	ounter ai Imon	nd timer			
40052(0033)	03/06/1	6 Input mode(r n)		UP-1 6:	dn-2 Ud-8 Ud-6							
			3: 1		Ud-C							
40053(0034)	03/06/1	6 Indication mode(d/ 5n) 0:1		Hold 8:5		For the	e indicat	or			
40054(0035)	03/06/1	6 Output mode(cUEn)	1:	5:P 6:9	9:E 10:d							
40055(0036)	03/06/1	6 Maximum counting sp	3: , eed 0:	1 2: IE	4: IDE							
40055(0036) 40056(0037)	03/06/1	° (CPS)	1::	0: 1 2: 12 4: 102 1: 30 3: 52 000 I to 9999				Unit: ×10ms				
40057(0038)	03/06/1	Desimal point	00] / to 9999	<u>A</u> ·		Unit: ×10ms					
40058(0039) 40059(003A)	03/06/1	0 (dP)		3:								
40059(003A) 40060(003B)	03/06/1	Prescale decimal	1:	3:			4Digit	type				
40061 (003C)		(SEL.d)	61	4: Digit type: 0.001	00 / to 99	19999		2:				
40062(003D) 40063(003E)	03/06/1		41	Digit type: 0.00 Digit type: 0000	1 to 9999		decim	al point cted wit	oosition			
40064(003F) 40065(0040)	03/06/1		41	Digit type: 0000	to 9999		point p	osition o	of displa	value		
40066(0041)	03/06/1		0	LoFF 2:1	. o[.2 . o[.3		Use counter and timer in common					
5-7. Functio	n setti	ng mode_Timer grou										
No.(Address)	Func	Explanation Count/Timer	Setting					lotice Ise cour	tor and	timer		
40101(0064)	03/06/1	6 (E-E)	0: CoU	n 1:5/ñ	E			ise cour i comme		and		

-1.	to 1, ther								
	e Address	Function+	80H	Exception Code	!	Error Che Low	ck(CR	C16) High	
1Byt Ille		1Byte (Exception Co	de: 01H)	1Byte : Not supportir	ng comman	1Byte d		1Byte	
				02H): Mismato		start addre		asked data	a an
Ille	gal Data Valı	ue(Exception (Code: 03I	H): Mismatch I	petween the	number o		ed data and	d the
Sla	ve Device Fa	ailure(Exceptio	n Code:	number of 04H): Comma	transmittab nd is proces		ectly.		
-2	. Example								
		out status (ON	1, OFF:0) of non existir	g coil 0100 ⁻	(03E8 H)	from	Slave (Add	ress
. Q	uery(Maste	r)	Starting A	ddress	No. of Point	2	Err	or Check(CR	C16)
Slav	e Address	Function	High	Low	High	Low	Lov		
- 11		01 H	03 H	E8 H	00 H	01 H	# #	+H ##	Н
	esponse(SI				Error Ch	eck(CRC16)		1	
Slav	e Address	Address Function +80H Exe		Exception Code	Low	High		-	
1H		81H		02H	## H	## H			
1)\ 0 8 2)\ 2)\	When change ction setting r blay value will are not saved	e the parameter node_Timer gro be reset. (Cour	setting va oup using nting displ	ication. (Functic lue of 5–6. Fur communication ay value and pro- lue of 5–5. Pre-	nction setting , reset indica ogress time (ation will flas of before ch	sh in 3 nangir	seconds a g paramete	ind d er set
3) 4) 2	eset. In prohibit writ f set value be and then men	iunication group ing communica yond the settin norized.	o using co ation settir g range, ti	ommunication, d ng(בסה. ב =1:מו his setting value	counting disp 5A), a write o is substitute	olay value of command o d for the va	prog loes r lue wi	ress time w not process thin the sett	ill not ing ra
3) 4) 8	eset. In prohibit writ If set value be and then mer Softwar able to set p	ing communication group ing communication yond the settin norized. e[Integrat arameter and	o using co ation settir g range, ti red dev monitorin	mmunication, מ ng(נפה. ב=1:מו	57, a write of is substitute	blay value of command c d for the va prograr rated device	r prog loes r lue wi n(D	ress time w not process thin the sett AQMas nagement p	ill not ing ra ing ra ter)
3) 4) 8 [] (vail AQ	eset. In prohibit writ If set value be and then mer Softwar able to set p	iunication group ing communic yond the settin norized. e[Integrat arameter and ynload the DAC	ation settir g range, t red dev monitorin QMaster p	mmunication, מ ng(נסה. יַ =1:di his setting value /ice mana g function usir	counting disp 5R), a write of is substitute gement ng the integ ting our web	blay value of command c d for the va prograr rated device	r prog loes r lue wi n(D	ress time w not process thin the sett AQMas nagement p	ill not ing ra ing ra ter)
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Power voltage rises for 100ms after power on and falls for 500ms after power off. Therefore be sure to apply input signal after 100ms and power turns on again after 500ms when power turns off.



2. Be sure to use insulated and resistive voltage /current or Class2 supply power device to input 24VAC/24-48VDC power supply model.

3. Input signal line

 Use as short a cable from the sensor to this unit as possible. ② Use shielded cable for long input line. ③ Wire as seaparating input line from the power line.

1Byte 1	Byte 1By	/te 1Byte	e 1Byte	1Byte	1Byte	1Byte	1Byte	1Byte	1Byte	1Byte	1Byte	40101(0064)	03/06/16	Count/Timer (E-E)	0: CoU	n 1	EL AE		Use cou in comr	unter and timer non	
Image: CRC16 4Digit type 2)Response(Slave) 0:0.001s to 9.999s 5: 0.1m to 9999m											_										
Slave	Function	Starting Address No. of Register Error Check (CRC 16)										2: 0.1s	s to 999.9s to 999.9s 5 9999s	7:1:	m to 9999m h to 99h59m						
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1Byte	Byte 1Byte 1Byte 1Byte 1Byte 1Byte 1Byte							40102(0065)	03/06/16	Time range (HoUr /ñl n/SEE)	6Digit 1										
Isyte Isyte Isyte Isyte Isyte Isyte CRC16 -6. Application Read Coil Status (Func 01 H) Master reads OUT2 00002(0001H) to 00003(0002H), OUT1 output status(ON:1, OFF:0) from the Slave(Address 01).										0:0.001s to 999.999s 6:1s to 9999m59s 11:0.01s to 9999.998 7:0.1m to 99999.9m 2:0.1s to 9999.9 8: 8:1m to 899999m 3:1s to 999999 9: 9:1s to 99h59m59s 4:0.01s to 99m59.9 10:1m to 9999h59m 5:0.1s to 99m59.9 11:0.1h to 89999.9h				1							
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Address	Functio	on –	High	Low	H	ligh	Low	L	.ow	Hiç	gh				0: ond 1: ond		riee Int	9. ord 10: nFd			
01 H	01 H		00 H 002H): OFF	01 H		00 H	02 H	E	EC H	0B	Н	40104(0067)	03/06/16	Output mode (อปิยกิ)	2: ond 3: FLE		int.i int.2	11: nFd.1 12:1 nEG	Use counter and timer in common		
2)Respon:		00000(00	JULIN) · UII	, 0011	00002(0										4: FL .	I.					
Slave Add	dress Function Byte Count				Data Error Check(CRC 16)			16)	40105(0068)	03/06/16	OUT2(OUT) output time (oUt2)	DUT2(OUT) output me (6822) 000 / to 9999, 0: HOLD				Unit: ×10ms					
	1635	(00003 to 00001) Low High						40106(0069)	03/06/16	OUT1 output time	000 / to 9999, 0: HOLD			Unit: ×10ms							
01 H	1 H 01 H 02 H D0 H 49 H								40107(006A)	03/06/16	Input signal time(Int)	nE) 0: / 1:20			Unit: m	Unit: ms					
Read Inpu Master re			4 H) 1004(03EB	H) to 21	005(03E	CH) of co	ounter/tin	ner, Slav	e (Addre	ess 15).		40108(006B)	03/06/16	Memory protection (dRER)	0:ELr 1:rEE			Use counter and timer in common			
1)Query(N	Jery (Master)							40109(006C)	03/06/16	Lock key(LoEE)	0:LoFF 1:LoC.1 2:LoC2 3:LoC3			Use cou	Use counter and timer in common						
Slave	Functio	on .	Starting A			No. of Po				ck(CRC		40110(006D)	03/06/16	Indication mode (d 5 P.ā)	O:EoEAL 1:Hold 2:ontd		For the indicator				
OF H	04 H		High	EB F		High	Low 02 H		w	Hig		5-8. Functio	n setting	mode_Communic	cation group						
		nt valuo in	03 H 123456(000		· · · ·	00 H) H	95 H		No.(Address)	Func	Explanation		Setting r	ange			Notice	
			123430(000	JI L2401	i) ili siave	: side, ord	04(00LDI	I) · L240 I	1, 310031	(002011)-	000111	40151(0096)		Com. address(Addr)	ss(Addr.) 1 to 127						
2) Respor	se(Slave))										40152(0097)		Com. speed(6P5)				: 96 - 3: 792	4: 384	Unit: ×100bp	
Slave	Function	Byte Cou	Data			Data		E	Error Check(CRC 16		16)	40153(0098)		com pany(res)		0:nonE 1:EuEn 2:odd					
Address	anction	Dyte COU	High	Lov	v	High	Low	L	ow	High	h	40154(0099) 40155(009A)		Stop bit(5EP) Response waiting time	(= 111)	0: 1 05 to 99	1:2			Unit: ms	
0F H	04 H	04 H	E2 H	40		00 H	01 H		2 H	28 H		40155(009A) 40156(009B)		Com. writing (E = A.Y)	V 5 1.6)	05 to 99 0:EnR	1: di 5A	1		Unit, ms	
							1			1		40100(009B)	03/00/10			0.010	חבינהיו				

When selecting input logic										
Be sure that supply power is off when selecting input logic, then select logic input according to										
input logic changing method.										
5. Contact count input(When it is used as Counter)										
If apply contact input at high speed mode(1k, 5k, 10k), it may cause miscount by chattering.										
Therefore set low speed mode(1cps or 30cps) at contact input.										
 6. When test dielectric voltage and insulation resi 										
installed.	stance of the control parter with this unit									
 Please isolate this unit from the circuit of co 	ntrol papal									
②Please make all terminals of this unit short-										
7. Do not use this unit with below environments.	cilcuited.									
 Place where there are severe vibration or im 	pact									
 Place where strong alkalis or acids are used 										
 Place where there are direct ray of the sun. 	4.									
 Place where strong magnetic field or electric 	c noise are generated									
8. Installation environment	e noise are generated.									
	ude Max. 2000m									
	allation Category II									
	• /									
*Please keep the above precautions to	avoid malfunction and damages.									
	ange and some models may be discontinued									
without notice.										
Major product										
Photoelectric sensors Temperature controllers										
Fiber optic sensors Temperature/Humidity transducers SSR/Power controllers										
Door side sensors Counters	Autonics Corporation									
Area sensors Timers	http://www.autonics.com									
Proximity sensors Panel meters	Satisfiable Partner For Factory Automation									
Pressure sensors Tachometer/Pulse(Rate)meters Rotary encoders Display units										
Connector/Sockets Sensor controllers	HEAD QUARTERS: 18, Bansong-ro 513beon-gil, Haeundae-gu, Busan, Korea									
Switching mode power supplies	OVERSEAS SALES:									
Control switches/Lamps/Buzzers	#402-404, Bucheon Techno Park, 655, Pyeongcheon-ro,									
Stepper motors/drivers/motion controllers	Wonmi-gu, Bucheon, Gyeonggi-do, Korea TEL: 82-32-610-2730 / FAX: 82-32-329-0728									
Graphic/Logic panels	E-mail: sales@autonics.com									
 Field network devices Laser marking system(Fiber, CO₂, Nd:YAG) 										
Laser welding/soldering system	EP-E-01-036B									
	P-4									