




Counters


Compact, LCD Display Counter (Indicator Only) / Programmable Counter / Up · Down Counter (Indicator Only) / Thumbwheel Switch Setting Type 8-Pin Plug Counter / Thumbwheel Switch Setting Type Up · Down Measure Counter


Series	Display Method	Operation Method	Terminal	Power Supply	External Power Supply	Input Method	
						Signal	Reset
Compact, LCD Display Counter (Indicator Only) LA8N Series  W48×H24×L54mm	8-digit 7-segment LCD	Count up	Terminal block	Built-in battery (over 7 years)	—	No-voltage input (NPN)	No-voltage input (NPN)
		Count up, Count down, Count up/down					
		Count up	Terminal block	Built-in battery (over 7 years)	—	Voltage input (PNP)	Voltage input (PNP)
		Count up, Count down, Count up/down					
Count up	Terminal block	Built-in battery (over 7 years)	—	Free voltage input	No-voltage input (NPN)		

Series	Display Method	Operation Method	Terminal	Power Supply	External Power Supply	Signal Input Method	Max. Counting Speed [cps]
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Programmable Counter (Timer) CT4S Series  W48×H48×L90mm	4-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	24VAC, 24-48VDC	12VDC Max. 100mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 1k, 5k, 10k
				100-240VAC	12VDC Max. 100mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 1k, 5k, 10k

Programmable Counter (Timer) CT6S Series  W48×H48×L90mm	6-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	24VAC, 24-48VDC	12VDC Max. 100mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 1k, 5k, 10k
				100-240VAC	12VDC Max. 100mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 1k, 5k, 10k

Programmable Counter (Timer) CT6Y Series  W72×H36×L77mm	6-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	24VAC, 24-48VDC	12VDC Max. 100mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 1k, 5k, 10k
				100-240VAC	12VDC Max. 100mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 1k, 5k, 10k

Programmable Counter (Timer) CT6M Series  W72×H72×L85mm	6-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	24VAC, 24-48VDC	12VDC Max. 100mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 1k, 5k, 10k
				100-240VAC	12VDC Max. 100mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 1k, 5k, 10k



















Max. Counting Speed [cps]	Min. Signal Width	Control Output	Backlight	Protection Structure	Approval	Model
1, 30, 1k	20ms	Indicator	●	IP66 (front panel)	CE c RU us	LA8N-BN-L
			—			LA8N-BN
1, 30, 1k	20ms	Indicator	●	IP66 (front panel)	CE c RU us	LA8N-BV-L
			—			LA8N-BV
20	20ms	Indicator	—	IP66 (front panel)	CE c RU us	LA8N-BF

Min. Signal Width	Control Output			Communication Output	Protection Structure	Approval	Model	
	Type	Relay	NPN Open Collector					
1ms/20ms	2-stage preset	SPST (1a): 2	1	—	IP65 (front panel)	CE c RU us	CT4S-2P2	
			—	RS485			CT4S-2P2T	
	1-stage preset	SPDT (1c): 1	1	—	IP65 (front panel)	CE c RU us	CT4S-1P2	
			—	RS485			CT4S-1P2T	
1ms/20ms	2-stage preset	SPST (1a): 2	1	—	IP65 (front panel)	CE c RU us	CT4S-2P4	
			—	RS485			CT4S-2P4T	
	1-stage preset	SPDT (1c): 1	1	—	IP65 (front panel)	CE c RU us	CT4S-1P4	
			—	RS485			CT4S-1P4T	
1ms/20ms	2-stage preset	SPST (1a): 2	1	—	IP65 (front panel)	CE c RU us	CT6S-2P2	
			—	RS485			CT6S-2P2T	
		1-stage preset	SPDT (1c): 1	1	—	IP65 (front panel)	CE c RU us	CT6S-1P2
				—	RS485			CT6S-1P2T
	Indicator	—	—	—	—	IP65 (front panel)	CE c RU us	CT6S-I2
				—	RS485			CT6S-I2T
		2-stage preset	SPST (1a): 2	1	—	IP65 (front panel)	CE c RU us	CT6S-2P4
				—	RS485			CT6S-2P4T
1-stage preset	SPDT (1c): 1		1	—	IP65 (front panel)	CE c RU us	CT6S-1P4	
			—	RS485			CT6S-1P4T	
Indicator	—	—	—	—	IP65 (front panel)	CE c RU us	CT6S-I4	
			—	RS485			CT6S-I4T	
1ms/20ms	2-stage preset	SPST (1a): 1, SPDT (1c): 1	1	—	IP65 (front panel)	CE c RU us	CT6Y-2P2	
			—	RS485			CT6Y-2P2T	
		1-stage preset	SPDT (1c): 1	1	—	IP65 (front panel)	CE c RU us	CT6Y-1P2
	—	—	—	RS485	CT6Y-1P2T			
	Indicator	—	—	—	—	IP65 (front panel)	CE c RU us	CT6Y-I2
				—	RS485			CT6Y-I2T
2-stage preset		SPST (1a): 1, SPDT (1c): 1	1	—	IP65 (front panel)	CE c RU us	CT6Y-2P4	
	—		RS485	CT6Y-2P4T				
	1-stage preset	SPDT (1c): 1	1	—	IP65 (front panel)	CE c RU us	CT6Y-1P4	
			—	RS485			CT6Y-1P4T	
Indicator	—	—	—	—	IP65 (front panel)	CE c RU us	CT6Y-I4	
			—	RS485			CT6Y-I4T	
1ms/20ms	2-stage preset	SPST (1a): 1, SPDT (1c): 1	3	—	IP65 (front panel)	CE c RU us	CT6M-2P2	
			2	RS485			CT6M-2P2T	
		1-stage preset	SPDT (1c): 1	2	—	IP65 (front panel)	CE c RU us	CT6M-1P2
	—	—	—	RS485	CT6M-1P2T			
	Indicator	—	—	—	—	IP65 (front panel)	CE c RU us	CT6M-I2
				—	RS485			CT6M-I2T
2-stage preset		SPST (1a): 1, SPDT (1c): 1	3	—	IP65 (front panel)	CE c RU us	CT6M-2P4	
	2		RS485	CT6M-2P4T				
	1-stage preset	SPDT (1c): 1	2	—	IP65 (front panel)	CE c RU us	CT6M-1P4	
			—	—			—	RS485
Indicator	—	—	—	—	IP65 (front panel)	CE c RU us	CT6M-I4	
			—	RS485			CT6M-I4T	

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Compact, LCD Display Counter (Indicator Only) / Programmable Counter / Up · Down Counter (Indicator Only) / Thumbwheel Switch Setting Type 8-Pin Plug Counter / Thumbwheel Switch Setting Type Up · Down Measure Counter

Series	Display Method	Operation Method	Terminal	Power Supply	External Power Supply	Signal Input Method	Max. Counting Speed [cps]
Up-Down Counter (Indicator Only) (Timer) FXV Series  W72×H36×L93mm	4-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC	12VDC Max. 50mA	No-voltage input (NPN)	1, 30, 2k, 5k
	6-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC	12VDC Max. 50mA	No-voltage input (NPN)	1, 30, 2k, 5k
Compact, Thumbwheel Switch Setting Type Up-Down Counter (Timer) FXS Series  W48×H48×L91mm	4-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
	5digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
Thumbwheel Switch Setting Type Up-Down Counter (Timer) FX Series  W72×H72×L112.3mm	4-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC			1, 30, 2k, 5k
				100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC			1, 30, 2k, 5k
	6-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC			1, 30, 2k, 5k
				100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC			1, 30, 2k, 5k
Thumbwheel Switch Setting Type Up-Down Counter (Timer) FXH Series  W48×H96×L100mm	4-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
Thumbwheel Switch Setting Type Up-Down Counter (Timer) FXL Series  W144×H72×L112mm	4-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
Thumbwheel Switch Setting Type Up-Down Counter (Timer) FXL Series  W144×H72×L112mm	6-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k

Min. Signal Width	Control Output			Protection Structure	Approval	Model
	Type	Relay	NPN Open Collector			
20ms	Indicator	—	—	—		FX4Y-I
20ms	Indicator	—	—	—		FX4Y-I
20ms	Indicator	—	—	—		FX6Y-I
20ms	Indicator	—	—	—		FX6Y-I
20ms	1-stage preset	SPDT (1c): 1	1	—		FX4S
20ms	1-stage preset	SPDT (1c): 1	1	—		FX4S
20ms	Indicator	—	—	—		FX5S-I
20ms	Indicator	—	—	—		FX5S-I
20ms	2-stage preset	SPDT (1c): 2	2	—		FX4-2P
20ms	2-stage preset	SPDT (1c): 2	2	—	—	FX4-2P
20ms	1-stage preset	SPDT (1c): 1	1	—		FX4
20ms	1-stage preset	SPDT (1c): 1	1	—	—	FX4
20ms	Indicator	—	—	—		FX4-I
20ms	2-stage preset	SPDT (1c): 2	2	—		FX6-2P
20ms	1-stage preset	SPDT (1c): 1	1	—		FX6
20ms	1-stage preset	SPDT (1c): 1	1	—	—	FX6
20ms	Indicator	—	—	—		FX6-I
20ms	Indicator	—	—	—	—	FX6-I
20ms	2-stage preset	SPDT (1c): 2	2	—		FX4H-2P
	1-stage preset	SPDT (1c): 1	1	—		FX4H
	Indicator	—	—	—		FX4H-I
20ms	2-stage preset	SPDT (1c): 2	2	—		FX4L-2P
20ms	2-stage preset	SPDT (1c): 2	2	—		FX6L-2P
	Indicator	—	—	—		FX6L-I

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Compact, LCD Display Counter (Indicator Only) / Programmable Counter / Up · Down Counter (Indicator Only) / Thumbwheel Switch Setting Type 8-Pin Plug Counter / Thumbwheel Switch Setting Type Up · Down Measure Counter

Series	Display Method	Operation Method	Terminal	Power Supply	External Power Supply	Signal Input Method	Max. Counting Speed [cps]
Thumbwheel Switch Setting Type 8-Pin Plug Counter FS Series  W48×H48×L85mm	4-digit 7-segment LED	Count up, Count down	8-pin plug	100-240VAC	12VDC Max. 50mA	No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC	12VDC Max. 50mA	No-voltage input (NPN)	1, 30, 2k, 5k
	5digit 7-segment LED	Count up, Count down	8-pin plug	100-240VAC	12VDC Max. 50mA	No-voltage input (NPN)	1, 30, 2k, 5k
※Sold separately: 8-pin socket (PG-08, PS-08(N))							
Thumbwheel Switch Setting Type Up-Down Counter F Series  W72×H72×L112mm	8-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
Thumbwheel Switch Setting Type Up-Down Counter L Series  W144×H72×L112mm	8-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
				100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
Thumbwheel Switch Setting Type Up-Down Measure Counter FM Series  W72×H72×L112mm	4-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
				12-24VAC, 12-24VDC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
	6-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
Thumbwheel Switch Setting Type Up-Down Measure Counter LM Series  W144×H72×L112mm	4-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k
	6-digit 7-segment LED	Count up, Count down, Count up/down	Terminal block	100-240VAC	12VDC Max. 50mA	Voltage input (PNP), No-voltage input (NPN)	1, 30, 2k, 5k

Min. Signal Width	Control Output			Protection Structure	Approval	Model
	Type	Relay	NPN Open Collector			
20ms	1-stage preset	SPST (1a): 1	—	—	—	FS4A
20ms	1-stage preset	SPST (1a): 1	—	—	—	FS4A
20ms	Indicator	—	—	—	—	FS5B
20ms	1-stage preset	SPDT (1c): 1	1	—	—	F8A
	Indicator	—	—	—	—	F8B
20ms	1-stage preset	SPDT (1c): 1	1	—	—	L8A
20ms	1-stage preset	SPDT (1c): 1	1	—	—	L8A
20ms	Indicator	—	—	—	—	L8B
20ms	2-stage preset	SPST (1a): 2	2	—	—	F4AM-2P
20ms	1-stage preset	SPDT (1c): 1	1	—	—	F4AM
20ms	1-stage preset	SPDT (1c): 1	1	—	—	F4AM
20ms	Indicator	—	—	—	—	F4BM
20ms	2-stage preset	SPST (1a): 2	2	—	—	F6AM-2P
20ms	1-stage preset	SPDT (1c): 1	1	—	—	F6AM
	Indicator	—	—	—	—	F6BM
20ms	2-stage preset	SPDT (1c): 2	2	—	—	L4AM-2P
	Indicator	—	—	—	—	L4BM
20ms	2-stage preset	SPDT (1c): 2	2	—	—	L6AM-2P
	Indicator	—	—	—	—	L6BM