




Analog Timers

■ T38N, T48N, T57N ON-Delay Timers

Specifications

Model	Exposed type	T38N	T48N	T57NE
	Panel type			T57NP
Appearance				
W×H×D (mm)		40.5×50.5×74.0	48.0×48.0×78.7	<ul style="list-style-type: none"> Exposed type: 50.0×70.0×86.2 Panel type: 57.5×84.4×83.7
Functions		Power On Delay Timer		
Power voltage		24 - 240 V a.c. 50/60 Hz, 24 - 240 V d.c., 12 V d.c. (order-made for T48N)		
Voltage fluctuation rate		±10 % of power voltage		
Power consumption		<ul style="list-style-type: none"> Max. approx. 4.5 VA (240 V a.c. 60 Hz) Max. approx. 1.5 W (24 V d.c.) 		
Return time		Max. 100 ms		
Time range	01	0.01 ~ 1 s / 0.01 ~ 1 m / 0.01 ~ 1 h		
	03	0.01 ~ 3 s / 0.01 ~ 3 m / 0.01 ~ 3 h		
	06	0.01 ~ 6 s / 0.01 ~ 6 m / 0.01 ~ 6 h		
	10	0.01 ~ 10 s / 0.01 ~ 10 m / 0.01 ~ 10 h		
	30	0.01 ~ 30 s / 0.01 ~ 30 m / 0.01 ~ 30 h		
	60	0.01 ~ 60 s / 0.01 ~ 60 m / 0.01 ~ 60 h		
	12H	0.01 ~ 12 h / 0.01 ~ 24 h / 0.01 ~ 48 h ('24h' and '48h' time setting '12h' : 'x2' and 'x4')		
Time error	Repeating error	Max. ±0.3 % (ratio of maximum scale)		
	Setting error	Max. ±5 % (ratio of maximum scale)		
Control output	Output mode	POWER ON DELAY		
	Contact configuration	A output (time limit 1c + instantaneous 1a) / B output (time limit 1c + instantaneous 1c) / C output (time limit 2c)		
	Contact capacity	250 V a.c. 3 A (resistive load)		
Relay life		Mechanical life: min. 10 million times, electrical life: min. 100,000 times		
Dielectric strength		2000 V a.c. 50/60 Hz for 1 min		
Noise immunity		±2 kV (among operation power terminals), square wave noise by noise simulator (pulse width: 1 μs)		
Insulation resistance		Min. 100 MΩ (500 V d.c. Mega standard)		
Vibration resistance		10 - 55 Hz (for 1 min) double amplitude 0.5 mm X·Y·Z each direction 2 hours		
Shock resistance		300 m/s ² (30 G) X·Y·Z each direction 3 times		
Ambient temperature & humidity		-10 ~ 55 °C, 30 ~ 85 % RH (without condensation)		
Storage temperature		-25 ~ 65 °C		

Suffix code

Model	Code	Content
Appearance	<input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Analog Timer
	T38N	40(W) X 50(H) mm
	T48N	48(W) X 48(H) mm
	T57N	58(W) X 84(H) mm
Installation structure	P	Panel type (T38N panel adapter sold separately)
	E	Exposed type (select with T48N panel type)
Range (dip switch selection)	01	1 sec, 1 min, 1 hour
	03	3 sec, 3 min, 3 hour
	06	6 sec, 6 min, 6 hour
	10	10 sec, 10 min, 10 hour
	30	30 sec, 30 min, 30 hour
	60	60 sec, 60 min, 60 hour
	12	12 hour, 24 hour, 48 hour
Control output	A	Time limit: 1c contact, instantaneous: 1a contact
	B	Time limit: 1c contact, instantaneous: 1c contact
	C	Time limit 2c contact
Power voltage		24 - 240 V a.c./d.c. (common) 50/60 Hz
	12	12 V d.c. (only for T48N, order-made)
Output operation		On-Delay
	S	Interval (order-made)

※ The installation type is only applied to the T57N, TF62N and TF62D (T38N model requires the separate purchase of panel adapter)