Model:NT-422

Detail Specifications

- A two-step setting/output timer with four-digit display.

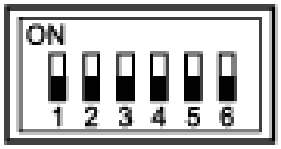
• Features :

Easy to Operate	Easy to operate: each digit has a reset switch, which is the same as a DIP Switch. No complicated input design.
Multiple Operation Modes	Output operation, auto delay reset, instant reset, manual/auto reset.
Adjustable Time Output	0.1-999.9 sec., can be input from panel.
Multiple Time Ranges	0.1 sec., 1 sec., 1min., and 1hr. Users can reset time ranges by themselves.
Dual Time Operation Ranges	With base-10 (1-9999 sec.) or base-60 (1-99M, 59S) time ranges available.
EEPROM Memory	Uses an IC to memorize counting values and setting values. Memory will 10 years without battery deterioration.
Auto Delete	Uses noMEM terminals to select CVMPF (Counting Values Memorization for Power Failure) or AZAPS (Automatic Zero Adjustment for Power Supply)
Timing Pause	Uses of GATE terminal can stop time count temporarily.
Decimal Point Display	The decimal point will flash and adjust its location according to different time ranges.
Complete Output Terminals	Provide two connections: N. O. and N. C.; and output terminals without connection.
LED Instruction	Setting Value: P1, P2 Operation Instruction: OUT1, OUT2 (individual LED instruction).
Large Seven-section Tube Model Display	Use different colors to separate setting values and counting values. Using a zero countdown, the digits are easy to identify.
Dustproof Structure	One-piece-formed model, membrane panel, without leakage and free from oil and dust.
Count Up/Down Available	Users can use DIP Switch to adjust timing method for counting up/down.

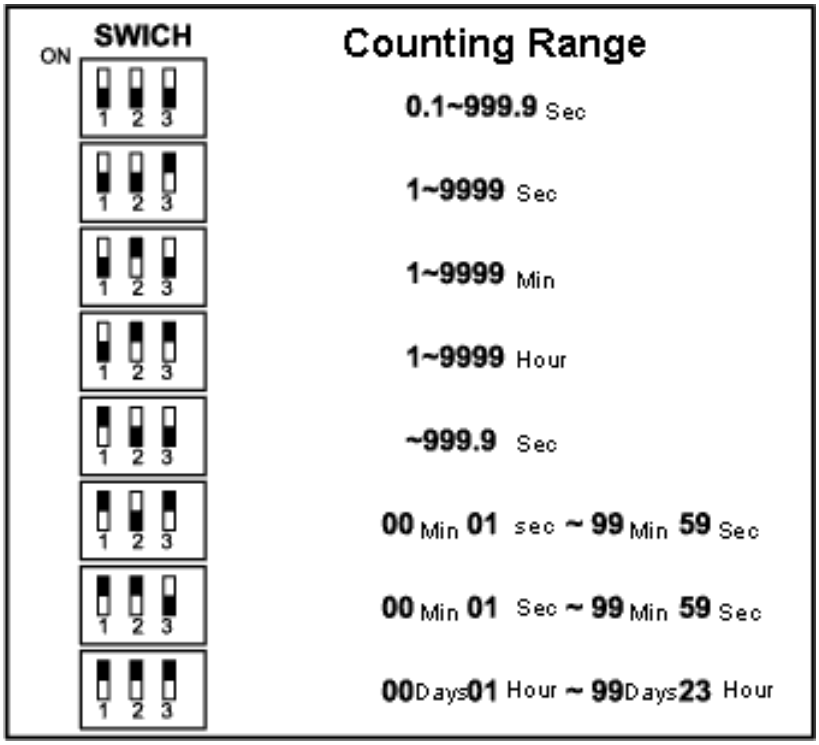
• Specifications:

Model	NT-422
Sections for Setting	A two-step setting
Time setting rage	Uses DIP Switch to select time setting ranges: 0.1-999.9S, 1-9999S, 1-9999M, 1-9999H, 0M, 1S-99M, 59S, 0H, 1M-99H, 59S, 0D, 1H-99D, 23H
Input	**Non-connection input:**ENCODER, application: proximity switches; L: 0-3V, H: 6-30V **Connection input:** relay connection, micro-adjustment switches
Output	**Connection output:** from each of the connections (a, b) (AC250V, 3A) **Non-Connection output:**NPN capacitor output (DC30V, 0.5A)
Output Time	P1:Before switching to P2 movement and following P2 mode, P1 movement is in operation.
	P2:Operation or 0.1-999.9 sec. (setting by panel)
Output Mode	P1 : Switches from N movement to P2 movement, and follows P2 mode.
	P2 : Operation N, R, C (setting by DIP SW)
Reset	External reset, panel button "RESET," an automatic reset by timing operation.
Counting Pause	When counting is in process, users can't revise settings, and the terminal for receiving input digits will stop.
Button Instructions	Use LED to indicate setting values and delay values.
Output instructions	Use LED to indicate panel OUT.
Saving Memory:	EEPROM can last 10 years. Setting values, counting values, and delay values can be memorized (max. 12V, 50mA)
Power	AC 110V/220V
Operating Temperature	-10°C~+50°C
Operating Humidity	45~85%RH

• DIP Switch Operation Mode Setting :



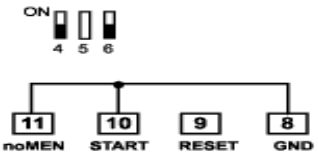
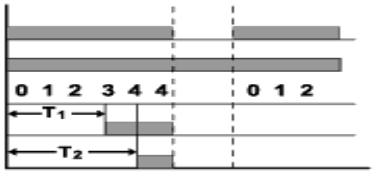
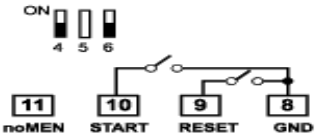
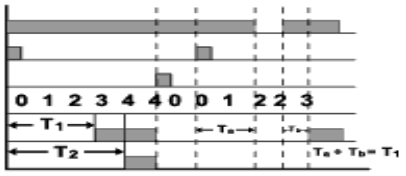
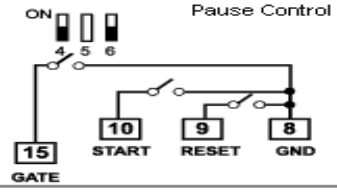
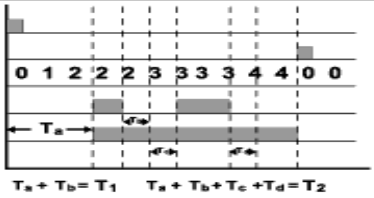
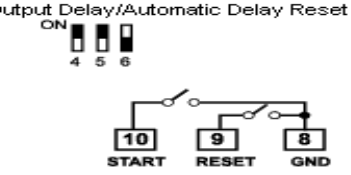
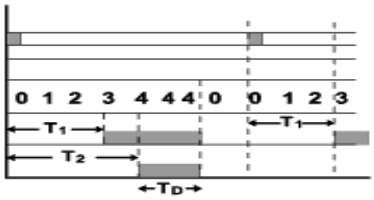
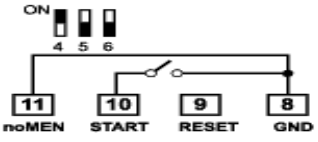
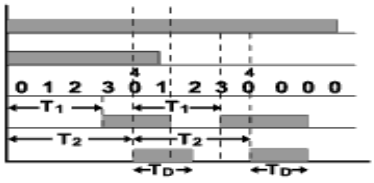
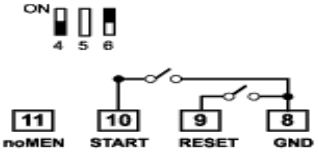
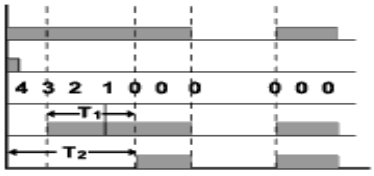
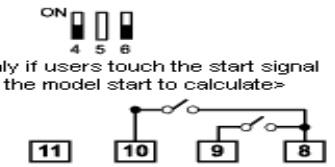
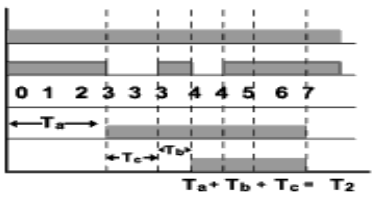
Switch	Function	OFF	ON
1	Base-10/Base-60	Base-10	Basse-60
2	Min. Units For Connecting Time	00-0.1 Sec	01- Sec
3		10- Minute	01-Hour
4	Output Methods	Operation	Release Delay
5	Zero Adjustment	Before Output	After Output
6	Counting Direction	Counting-Up	Counting-Down



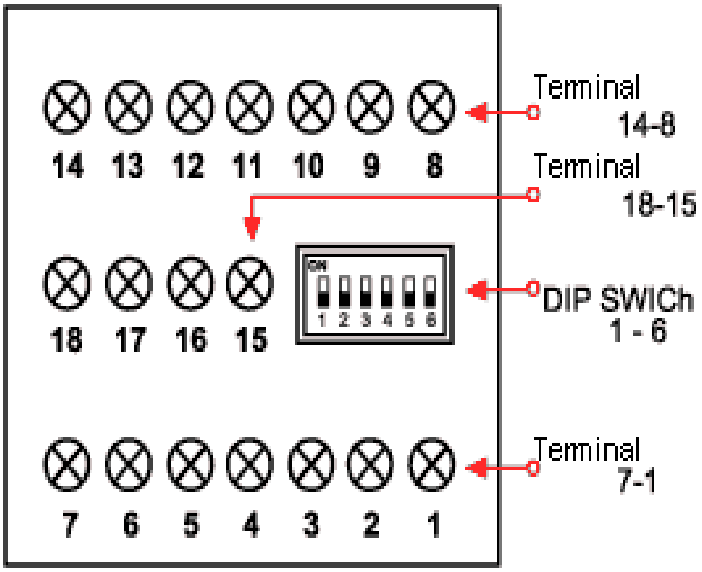
• Application:

Example:

- 1st time setting (T1): 3 sec.
- 2nd time setting (T2): 4 sec.
- Delay circle (TP): 2 sec.

Function/DIP SWITCH/Socket View	Movement
• Power Start/Power Reset 	電 源 POWER 起動信號 START 計時顯示 DISPLAY 輸 出 OUT 1 輸 出 OUT 2 
• Signal Start/Signal Reset 	電 源 POWER 起動信號 START 歸復信號 RESET 計時顯示 DISPLAY 輸 出 OUT 1 輸 出 OUT 2 
• GATE Time- Calculation For Pause Control 	起動信號 START 歸復信號 RESET 計時顯示 DISPLAY 閘門信號 GATE 輸 出 OUT 1 輸 出 OUT 2 
• Output Delay/Automatic Delay Reset 	起動信號 START 歸復信號 RESET 計時顯示 DISPLAY 輸 出 OUT 1 輸 出 OUT 2 
• Output Delay/Automatic Delay Reset /Auto run 	電 源 POWER 起動信號 START 計時顯示 DISPLAY 輸 出 OUT 1 輸 出 OUT 2 
• Count Down/Signal Start/Signal Reset 	電 源 POWER 起動信號 START 計時顯示 DISPLAY 輸 出 OUT 1 輸 出 OUT 2 
Exception:Contact-on Start/Reset Signal 	電 源 POWER 起動信號 START 計時顯示 DISPLAY 輸 出 OUT 1 輸 出 OUT 2 

• Terminal Connection View :



Terminal	Two-step Setting Model	
1	AC OV	
2	AC 110V	
3	AC 220V	
4	¡Ð	
5	N.C.	} P2
6	COM	
7	N.O.	
8	GND	
9	RESET Reset input	
10	START Start input	
11	noMEM Input without memorization	
12	OUT Output without connection	
13	¡Ð	
14	DC +12V Power output	
15	GATE Paused for time-measuring input	
16	N.C.1	} P1
17	COM1	
18	N.O.1	

• Dimensions :