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ANALOG / DIGITAL TIMER

T38N / T48N / T57N / TF62N / TF62D
MA4N / LF4N / TT4

HANYOUNG NUX

Leader in control and measurement industries – HANYOUNG NUX CO.,LTD.

Analog & Digital Timer Series

- Plug-In type timers
- Up-grade version of pervious Analog and Digital Timers
- Apply convenient time set-up mode
- A wide power supply range
- Various Time ranges (Total 16 time ranges)
- Various operation charts (Total 6 operation charts)

Analog Timer MA4N

- Up grade version of MA4 model
- Apply convenient time set-up mode
- Free power voltages (24~240 V a.c 50/60, 24~240 V d.c)
- Various Time ranges (Total 16 time ranges)
- Various operation charts (Total 6 operation charts)
- A type (Time limit contact 2c), B type (Time limit contact 1c, Instantaneous contact 1c), C type (Time limit contact 2c or Tim limit contact 1c, Instantaneous contact 1c)
- Use Power LED to display status of time process

Digital Timer LF4N

- LCD Display
- Up grade version of NF4 model
- Apply convenient time set-up mode
- Free power voltages (24~240 V a.c 50/60, 24~240 V d.c)
- Various Time ranges (Total 10 time ranges)
- Various operation charts (Total 10 operation charts)
- A type (Time limit contact 1C), B type (Time limit contact 1C, Instantaneous contact 1c), C type Time limit contact 2c), D type (Time limit contact 1c)

Analog Timer T38N/T48N/T57N /TF62N/TF62D

- Up grade version of pervious Analog Timers (T38/T48/T57/T62)
- Apply MCU (Micro Control Unit) for precision time control
- Apply convenient time set-up mode
- Free power voltages (24~240 V a.c 50/60, 24~240 V d.c)
- Various time ranges (01, 03, 06, 10, 30, 60, 12)
- A type (Time limit contact 1c + Instantaneous contact 1a), B type (Time limit contact 1c + Instantaneous contact 1c), C type (Instantaneous contact 2c) + D type (Flicker), F type (Dual)
- Hour(H) / Minute(M) / Second(S) are particularly integrated
- Use Power LED to display status of time process

Digital Dual Timer TT4-P42A/P42B

- A wide power supply range (100~240 V a.c 50~60Hz)
- Plug-In type (8 pins and 11 pins)
- Various Time ranges (0.01 sec ~ 9999 hour)
- Available individual on-delay setting for 2 outputs
- Output operation control (Start, Rest, Inhibit) by outside input signal
- Can be used individual two timers
- Key-lock function to protect setting time value

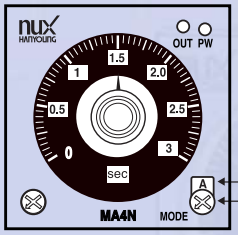
Analog Timer MA4N

- Up grade vers on of MA4 mode
- Appy convenent t me set-up mode
- Free power votages (24-240 V a.c 50/60, 24-240 V d.c)
- Var ous Tme ranges (Tota 16 t me ranges)
- Var ous operaton charts (Tota 6 operaton charts)
- A type (Tme m t contact 2c), B type (Tme m t contact 1c, nstantaneous contact 1c), C type (Tme m t contact 2c or Tm m t contact 1c, nstantaneous contact 1c)
- Use Power LED to d sp ay status of t me process

Time range

Max. Time \ Time Unit		sec	min	hrs	X10 h
Setting Range	1.2	0.12 ~ 1.2			1.2 ~ 12
	3	0.3 ~ 3			3 ~ 30
	12	1.2 ~ 12			12 ~ 120
	30	3 ~ 30			30 ~ 300

Selection of Time unit & Operation mode



MA4N -A, MA4N - B TYPE

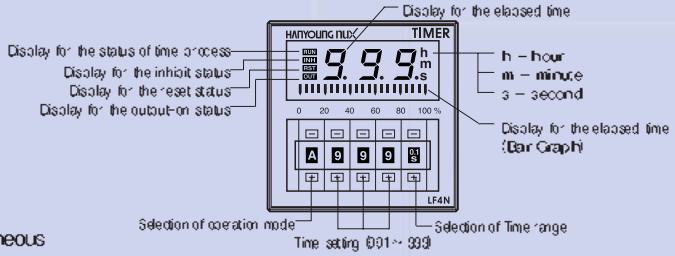
MODE	Function of operation
A	ON DELAY
B	FLICKER OFF START
C	INTERVAL
D	SIGNAL ON/OFF DELAY
E	SIGNAL OFF DELAY
F	FLICKER ON START

MA4N - C TYPE

MODE	Function of operation
A1	ON DELAY
B1	ON DELAY1
C1	ON DELAY2
D1	FLICKER OFF START
E1	FLICKER ON START
F1	INTERVAL

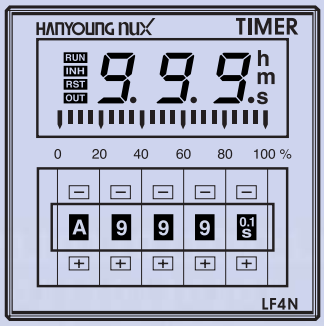
Digital Timer LF4N

- LCD D sp ay
- Up grade vers on of NF4 mode
- Appy convenent t me set-up mode
- Free power votages (24-240 V a.c 50/60, 24-240 V d.c)
- Var ous Tme ranges (Tota 10 t me ranges)
- Var ous operaton charts (Tota 10 operaton charts)
- A type (Tme m t contact 1C), B type (Tme m t contact 1C, nstantaneous contact 1c), C type Tme m t contact 2c), D type (Tme m t contact 1c)



Function of operation chart

MODE	FUNCTION
A	SIGNAL ON-DELAY
B	FLICKER ON START
C	SIGNAL ON/OFF DELAY
D	SIGNAL OFF DELAY
E	INTERVAL
F	ONE SHOT & FLICKER
G	INTEGRATION
H	INTERVAL DELAY
	FLICKER ONE-SHOT
J	POWER ON-START



Function of Time units

Time unit	Time range
.01 s	0.01 s ~ 9.99 s
0.1 s	0.1 s ~ 99.9 s
s	1 s ~ 999 s
0.1 m	0.1 m ~ 99.9 m
m	1 m ~ 999 m
0.1 h	0.1 h ~ 99.9 h
h	1 h ~ 999 h
10 h	10 h ~ 9990 h
S	0 m 01 s ~ 9 m 59 s
M	0 h 01 m ~ 9 h 59 m

Analog Timer

T38N/T48N/T57N/ T62N/T62D

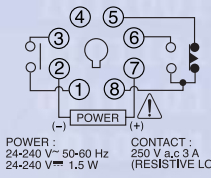
- Upgrade version of previous Analog Timers (T38/T48/T57/T62)
- Apply MCU (Micro Control Unit) for precision time control
- Apply convenient time set-up mode
- Free power voltages (24~240 V a.c 50/60, 24~240 V d.c)
- Various time ranges (01, 03, 06, 10, 30, 60, 12)
- A type (Time limit contact 1c + instantaneous contact 1a), B type (Time limit contact 1c + instantaneous contact 1c), C type (instantaneous contact 2c) + D type (Flicker), F type (Dual)
- Hour(H) / Minute(M) / Second(S) are particularly integrated
- Use Power LED to display status of time process

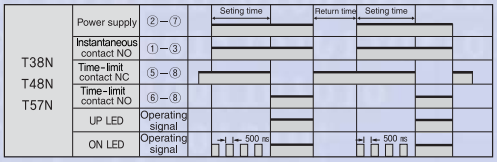
Suffix Code

Suffix Code	Model				Description
	□	□	□	□	Analog Timer
Model	T38N				48.0(W) × 59.0(H)mm
	T48N				48.0(W) × 48.0(H)mm
	T57N				'E' Size – 50.0(W) × 62.0(H)mm
	T62N				'P' Size – 57.5(W) × 84.5(H)mm
	T62D				
Fixture type		E			Exposure type
		P			Panel type
Max. Time			1		1 sec / 1 min / 1 hour
			3		3 sec / 3 min / 3 hour
			6		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 (except only T62N & T62D)
Output				A	Time limit contact 1c + instantaneous contact 1a (T38/48/57N only)
				B	Time limit contact 1c + instantaneous contact 1c (T38/48/57N only)
				C	instantaneous contact 2c (T38/48/57N only)
				D	instantaneous contact 1c (T62N only)
				F	instantaneous contact 2c (T62D only)

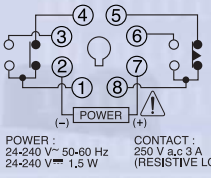
Various contacts and operation charts

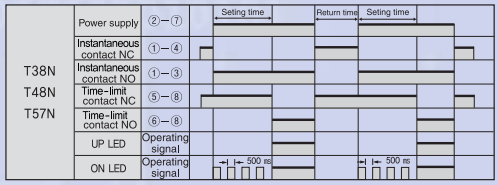
■ A type (Time limit contact 1c + instantaneous contact 1a)



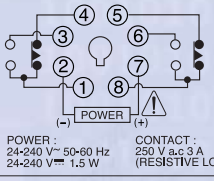


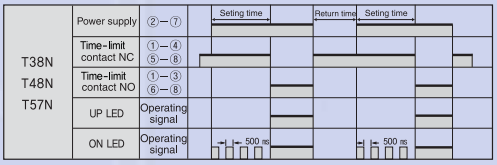
■ B type (Time limit contact 1c + instantaneous contact 1c)



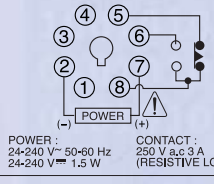


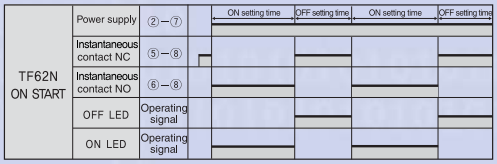
■ C type (instantaneous contact 2c)



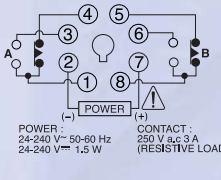


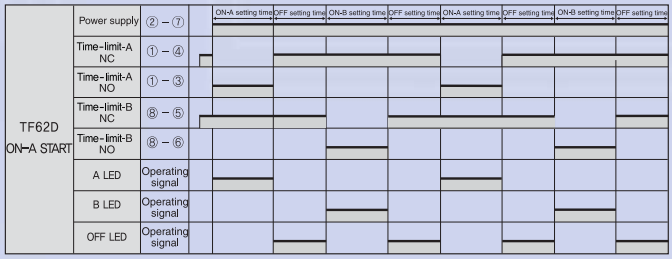
■ D type (instantaneous contact 1c)





■ F type (instantaneous contact 2c)





Digital Dual Timer

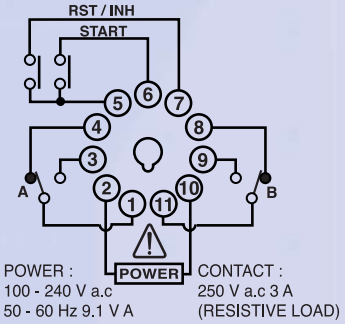
TT4-P42A / P42B

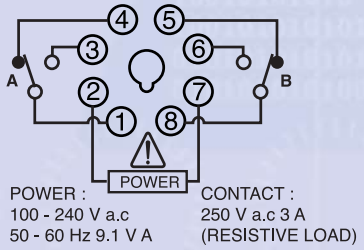
- LCD Dspay
- Up grade vers on of NF4 mode
- Appy conven ent t me set-up mode
- Free power votages (24-240 V a.c 50/60, 24-240 V d.c)
- Var ous Tme ranges (Tota 10 t me ranges)
- Var ous operaton charts (Tota 10 operaton charts)
- A type (Tme mt contact 1C), B type (Tme mt contact 1C, nstantaneous contact 1c), C type T me m t contact 2c), D type (T me m t contact 1c)

Suffix Code

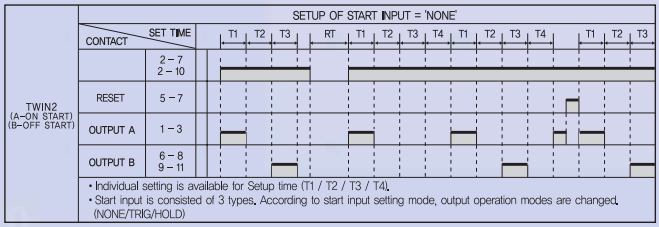
Model	Model #						Contents
	□	-	□	□	□	□	
Model	TT4						Dg'a Dua T mer, DN Sze 48W x 48H mm
Type			P				Prese'
Digit				4			4 Dg' (999)
Stage					2		2 Stages
Connection type						A	11 Pn Pug ype
						B	8 Pn P ug ype

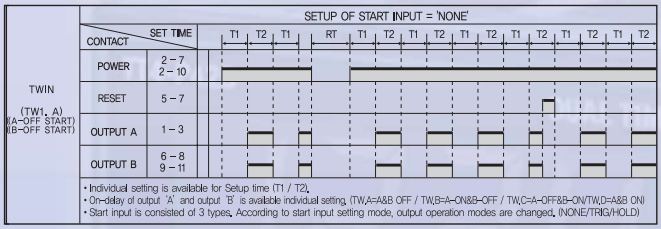
Connections

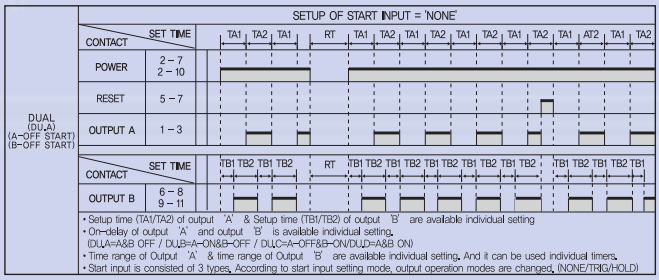


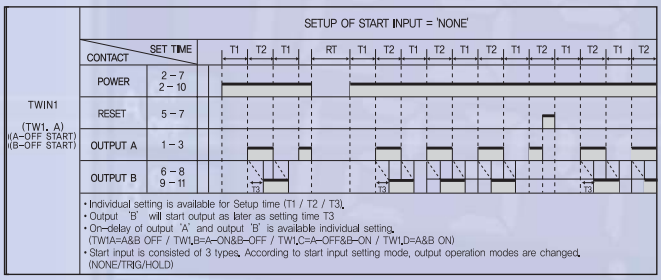


Specification of output operation mode









ANALOG / DIGITAL TIMER

T38N / T48N / T57N / TF62N / TF62D
MA4N / LF4N / TT4

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