Macromatic

ANALOG TIMER

c



45

tting error peat error cycle

50 80

> Panel cut-out Min. 65

For your safety, please read the following before using.

Caution for your safety

▲ Warning Serious injury may result if instructions are not followed.
▲ Caution Product may be damaged, or injury may result if instruction

The following is an explanation of the symbols used in the operation manual.

A Caution:injury or danger may occur under special conditions.

△ Warning

- In case of using this unit with machinerles(Nuclear power control, medical equipment, vehicle, train, airplane, combustion apparatus, entertainment or safety device etc), it is required to install fail-safe device, or contact us.
- 2. Install the unit on a panel.
- 3. Do not connect, inspect or repair when power is on.
- Do not disassemble the case. Please contact us if it is required it may cause an electric shock or a fire.

△ Caution

- This unit shall not be used outdoors.
 It might shorten the life cycle of the prod
- 2. Please observe the rated specifications. act or give an electric shock
- It might shorten the life cycle of the product and cause a fire.

 3. Do not use beyond of the rated switching capacity of Relay contact.
- 4. In cleaning unit, do not use water or an oil-based detergent and use dry towels
- It may cause an electric shock of a lire.

 5. Do not use this unit in place where there are flammable or explosive gas, humidity, direct ray of the light, radiant heat, vibration and impact etc.
- 6. Please be careful not to blow dust or wire clippings into the unit It may cause a fire or malfunction.

Front panel identification



①Operation/Power LED Time range display
Time range selector (Timer operation:Flicker, Timer stop:LED ON)

Time unit(sec, min, hour, 10h)

Operation mode selector

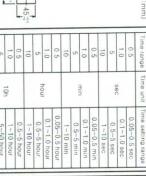
ower ON Delay ower ON Delay 1 ower ON Delay 2

mode display

The above specifications are subject to change without notice.

(Unit:mm) ■ Time specifications | ■ Specifications

Dimensions



			-											_	
-	1.0	0.5	10	5	1.0	0.5	10	5	1.0	0.5	10	5	1.0	0.5	Time range
	106			11001	hour				3			000	242		Time unit
60 60	1~10 hour	0.5~5 hour	1~10 hour	0.5~5 hour	0.1~1.0 hour	0.05~0.5 hour	1~10 min	0.5~5 min	0.1~1.0 min	0.05~0.5 min	1~10 sec	0.5-5 sec	0.1~1.0 sec	0.05~0.5 sec	Time setting range
	Voltage	Setting	Repeat	III e cycii	Helay		output	Control		Return t	Power c	Allowable	Power s	Control tir	Model

Contact

Type

Time limit DPDT (2c) or Instantaneous SPDT(1c)+Time limit SPDT(1c)

24-240VDC

according to output operation mode 250VAC 5A resistive load

Min. 100,000 operations (at 250VAC 5A resistive

load)

Max. ±0.2% ±10ms

Max. ±5% ±50ms

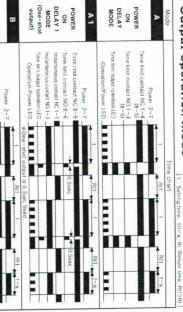
Min. 10,000,000 operation:

voltage range

100-240VAC 50/60Hz, 24-240VDC

(Universal) 2W

Output operation mode





Trans limit contact NC 8-5 Trans limit contact NC 8-5 Instituteneous contact NC 1-4 Instituteneous contact NC 1-4 Instituteneous contact NC 1-4 Instituteneous contact NC 1-5 Instituteneous contact NC 1-5 Instituteneous contact NC 1-5 Instituteneous contact NC 9-5 Imma limit contact NC 9-5 Imma limit contact NC 9-5 Instituteneous contact NC 1-4 Instituteneous contact NC 1-5 Instituteneous contact NC 1-6 Instituteneous Conta	

Connections

Ambient humidity Storage temperature

2000VAC 50/60Hz for 1 minute (Between all terminals

and case

100M & (at 500VDC)

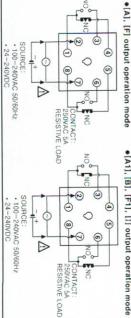
-25 ~ 65℃(at non-freezing status)

35 ~ 85%RH

Approx. 90g

55°C(at non-freezing status)

•[A1], [B], [F1], [I] output operation mode



Caution for using

- Please connect DC power input after ch
 When supply he power to the Timer.
 Connection shown in Figure 1 might
 cause malfunction due to leakage
 current through R and C. as shown
 in Figure 2 to prevent malfunction.
- (Figure
- 3. It might cause malfunction if changing the sating time, timerange or or Please change the sating time, timerange or operation mode after 1,0 not use this unit at below places.

 Op lace where there are severe withortion or impact.

 Op lace where strong altholis or actids are used.

 Op lace where strong magnitude rule of the control after cut the power

It may cause malfunction if above instructions are not followed

Macromatic Controls

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EP-E-02-059

901-0000-290