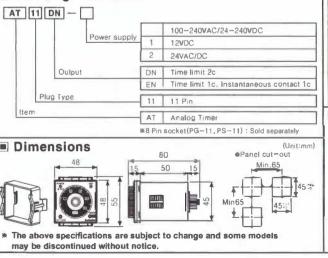
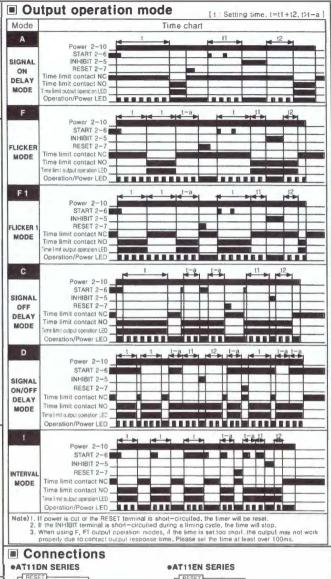
MULTI FUNCTION TIMER CE AT11DN/AT11EN SERIES u Thank you very much for selecting Autonics products. For your safety, please read the following before using. Caution for your safety *Please keep these instructions and review them before using this unit. *Please observe the cautions that follow: A Warning Serious injury may result if instructions are not tollowed. ▲ Caution Product may be damaged, or Injusy may result if instructions are not followed. *The following is an explanation of the symbols used in the operation manual. A Caution:Injury or danger may occur under special conditions. **△** Warning 1. In case of using this unit with machineries (Nuclear power control, medica) equipment. vehicle, train, airplane, combustion apparatus, entertainment or safety device etc), it is required to install fall-safe device, or contact us. may cause a fire, human injury or property loss. 2. Install the unit on a panel. It may give an electric shock 3. Do not connect, inspect or repair when power is on. It may give an electric shock 4. Do not disassemble the case. Please contact us if it is required. It may cause an electric shock or a fire. **▲** Caution 1. This unit shall not be used outdoors. It might shorten the life cycle of the product or give an electric shock. 2. Please observe the rated specifications. 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. may cause insulation failure, contact melt, contact failure, relay broken and fire etc. 4. In cleaning unit, do not use water or an oil-based detergent and use dry towels. It may cause an electric shock or a fire. 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. may cause a fire or an explosion 6. Do not inflow dust or wire dreas into the unit It may cause a fire or a malfunction Ordering information AT 11 DN -100-240VAC/24-240VDC Power supply 12VDC 24VAC/DC Output Time limit 2c Time limit 1c, Instantaneous contact 1c Plug Type 11 Pin Item Analog Timer ₩8 Pin socket(PG-11, PS-11) : Sold separately Dimensions (Unit:mm) Panel cut-out





250VAC 5A RESISTIVE LOAD

-41+ SOURCE - 100-240VAC 50/60Hz, 24-240VDC

24VAC 50/60Hz, 24VDC

Specifications AT11DN-AT11EN-Model Control time setting range Power supply • 100-240VAC 50/60Hz, 24-240VDC (Universal) • 24VAC 50/60Hz, 24VDC Universal) • 12VDC Allowable voltage range 90 - 110% of rated voltage • 100-240VAC * 3.5VA. 24-240VDC 1.5W • 24VAC : 4VA. 24VDC : 1 5W • 12VDC : 1W 100-240MAC : 4 3MA 24-240MDC : 2W ower consumption . 24VAC . 4 5VA 21VDC . 2W . 12VDC . 1 5W Max. 100ms Min, input Min 50ms signal width INHIBIT START No-voltage input -> Shot-circuit impedance : Max. 1k.2 Residual voltage: Max. 0.5V nout INHIBIT Open-circuit impedance: Min. 100ku Time limit SPDT(1c), Instantaneous SPDT(1c) Time limit DPDT(2c) Control Type nucluo Capacity 250VAC 54 resistive load Relay Mechanical Min.10.000.000 times te cycle Electrical Min. 100,000 times (250VAC 5A resistive load) Max. = 0.2% ± 10ms Repeat error Setting error Max. ±5% =50ms Max + 0.5% Voltage error Temperature error Max. + 2% 100M Q (at 500VDC Insulation resistance 2000VAC 50/60Hz for 1 minute Dielectric slength -10 ~ 55°C, Storage temperature: -25 ~ 65°C nviron Ambert temperature ment Ambient humidit 35 ~ 85%RH, Storage humidity: 35 ~ 85%RH Approx. 90g Unit weight *Environment resistance is rated at no freezing or condensation. Caution for using 1. Power circuit for AT11DN/EN Timer is designed without using a transformer. For the power of sensor, therefore ATTION EN Time use isolation transformer which is no

grounded on secondary side in order to cut off the unnecessary current flow as shown in figure 1.

2. Please use the terminal (2) as the common

terminal as shown in Figure 3. If use the terminal & as common termina as shown in Figure 2, it might cause damage to inner circuit of AT11DN/EN Timer

Please connect DC power input after checking polarity of power.
4.In case of 12VDC model, isolated and

limited voltage/current or Class2 source should be provided for power supply. . When apply the power, please apply rating power at the moment by switch, relay etc. Otherwise it might cause malfunction.

. When supply the power to the timer connection as shown in Figure 4. It might cause malfunction due to leakage current though R and C. Please connect R and C as shown in Figure 5 to prevent malfunction as shown in Figure 5.

(Figure 3)

RESET

START

snown in Figure 5.

7. In order to apply input signals (START.RESET, INHIBIT), short—circuit the terminal no. ②—③, ②—⑥ or ②—⑦. It may cause internal circuit damage by wrong connections.

8. Do not wire START, RESET, INHIBIT signal input line with power line, high voltage line in parallel.

9. It might cause malfunction if change the setting time, time range or operation mode during

(Sensor)

INHIBIT

current

unit operating. Please change the setting time, time range or operation mode after cut the power off.

10. Do not use this unit at below places.

OPtace where there are severe vibration or impact.

②Place where strong alkalis or acids are used.

(3)Place where there are direct ray of the sun

(I) Place where strong magnetic field or electric noise are generated. Installation environment

Oft shall be used indoor

(2) Altitude Max. 2000m

③Pollution Degree 2 (Installation Category II

*It may cause maifunction if above instructions are not followed.



250VAC 5A RESISTIVE LOAD

100-248VAC 50/60Hz, 24-240VDC

24VAC 50/60Hz, 24VD0

Display units Connector/Sockels Sensor controllers

Switching mode power supplies
Control switches/Lamps/Buzzers III I/O Terminal Blocks & Cables

Craphic/Logic panels

Field network devices

Laser marking system(Fiber, CO₂, Nd YAG) Laser welding/soldening system

