

TT-104B 304L

PROGRAM TIMER



The TT-104B is a program timer that comes with 4 outputs and controls 4 different broadcasts. With use of an optional rack-mounting bracket, it can be mounted in an EIA Standard equipment (occupying 1 unit size).

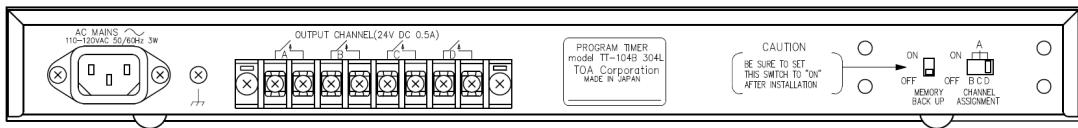
Key features

- 4 independent output channels
- Weekly program capacity is 30 steps per channel, and each step can be programmed in 1-minute units.
- A channel assignment switch turns B, C and D outputs into A output.
- Programming can be performed easily and precisely through individual key operation and display.
- Setting the pause mode allows no program output to be delivered.
- Output is a no-voltage make contact that connects for 5 seconds at the programmed time.
- Built-in buzzer audibly warns the user of key operation error.
- Monthly error is ± 5 seconds at 25# (77#) of ambient temperature.
- Clock and stored programs can be maintained for approximately 100 hours in the event of power outage.

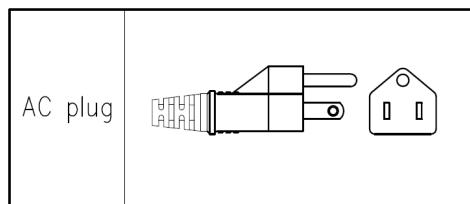
Specifications

Power Source	110 - 120 V AC, 50/60 Hz
Power Consumption	3 W
Number of Channels	4 channels (A,B,C,D)
Output System	No-voltage (DRY) make contact (5-second pulse make output)
Output Capacity	24 V DC, 0.5 A
Output Terminal	M4 screw terminal, distance between barriers: 9 mm (0.35)
Program Capacity	30 steps per channel
Clock Accuracy	±5 seconds per month (25 # (77 #)
Display	Day of the week, hour and minute
Programmable Item	Day of the week, hour, minute, output channel
Power Outage Protection Period	100 hours
Operating Temperature	0 °C to +50 °C (32 °F to 122 °F)
Finish	Panel: Aluminum, black, 30 % gloss, paint Case: Pre-coated steel plate, black
Dimensions	420 (W) x 47.5 (H) x 246.5 (D) mm (16.54" x 1.87" x 9.7")
Weight	2.5 kg (5.51 lb)
Optional Accessories	Rack-mounting bracket: MB-15B

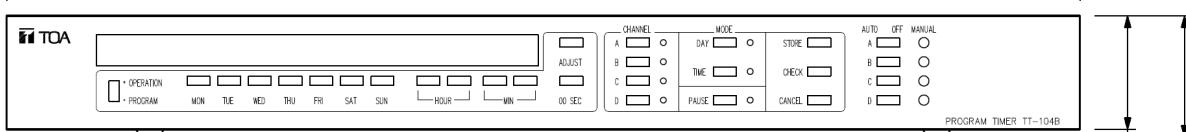
Dimensions



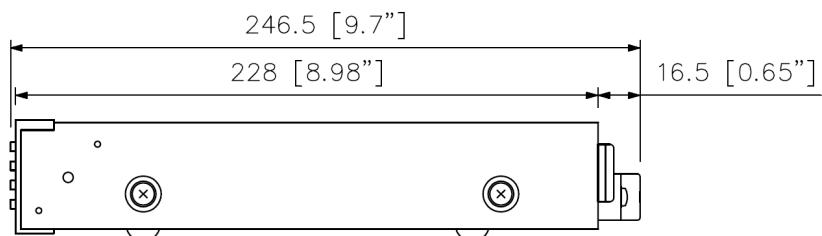
Rear View



420 [16.54"]



Front View



Side View

UNIT: mm

A&E specifications

The program timer shall include four independent outputs with thirty programmable steps per output. Each output shall be rated at 0.5 A (@ 24 VDC) and provide five second dry contact closure during activation. The schedule shall include a weekly program with pause mode for vacations/ holidays. Programmable parameters shall include day of the week, hour, minute and output channel. The unit shall maintain +/-5 second per month clock accuracy with 100 hour backup battery if power fails. Power requirements shall be 110 V to 120 V AC 50/60 Hz with power consumption of 3 W. The unit shall be capable of operation within a temperature range from 32°F to 122°F (0°C to 50°C). Dimensions (W x H x D) shall be 1.8" x 16.5" x 9.0" (44.5 x 420 x 228 mm) and weight shall be 5.5 lbs. (2.5 kg).

The program timer shall be the TOA model TT-104B.

The rack-mount kit shall be TOA model MB-15B.