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TOA 900 SERIES

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# PROGRAM TIMER

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## TT-104

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### DESCRIPTION

The TOA TT-104 is a program timer that comes in both rack-mounted and tabletop models. When it is used in conjunction with a spot announce machine, it can provide effective automatically timed announcements for schools, factories and offices, etc. The TT-104 has 4 independent output channels, with a program capacity of 30 steps per channel. Each channel can be programmed for a week, with easily-made changes or cancellations. A channel assignment function allows merging of 4 channels into one channel, for increased capacity. During vacations and special holidays, a Pause Mode blocks transmission temporarily. An Auto Off switch shuts the power off independently of output channels. Output is no-voltage (dry) one-shot pulse contact. In the event of a power outage, the clock time function and stored programs can be maintained for approximately 100 hours by a back-up battery system.

### FEATURES

1. The TOA TT-104 is a program timer having 4 independent output channels.
2. Weekly program capacity is 30 steps per channel, and each step can be programmed in 1-minute increments.
3. A channel assignment switch can convert B, C and D outputs into A output.
4. Programming, its change or cancellation can be performed easily and precisely through individual key operation and display.
5. Setting the pause mode prevents program output delivery.
6. Output is a no-voltage make contact that connects for 5 seconds at the programmed time.
7. A built-in buzzer audibly warns the user of key operation errors.
8. Clock and stored programs can be maintained for approximately 100 hours in the event of power outage.
9. TT-104 is rack-mountable with optional MB-11S2 rack-mounting kit.



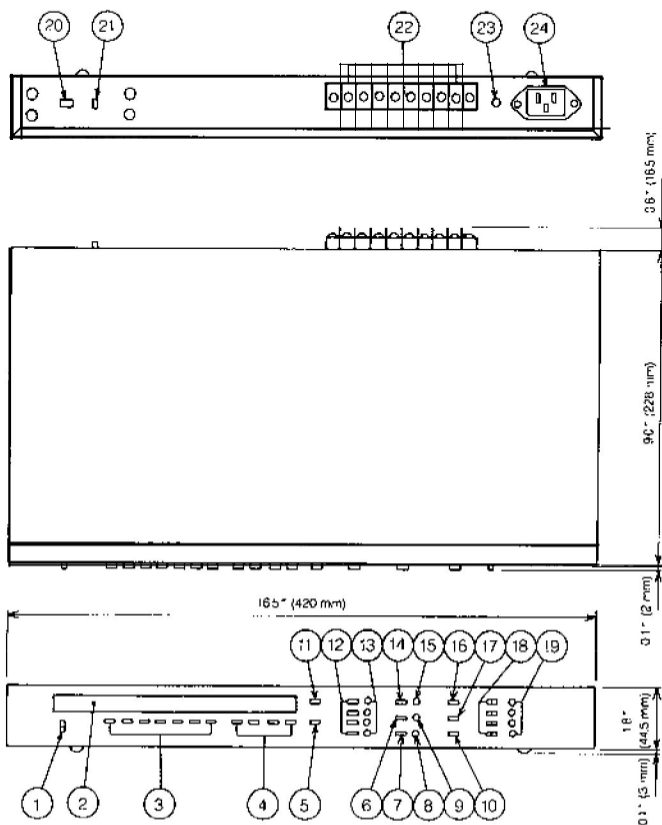
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## SPECIFICATIONS

Power Requirements	110V to 120V AC 50/60 Hz
Power Consumption	3 watts
Power Outage Protection Period	100 hours
Program Capacity	30 steps per channel
Programmable items	Day of the week, hour, minute, output channel
Number of Channels	4 channels (A, B, C, D)
Output System	No-voltage (dry) make contact (5 seconds make output)
Contact Capacity	24V DC, 0,5A
Clock Accuracy	±5 seconds per month (25°C)
Items Indicated in Display	Day of the week, hour & minute
Special Functions	* Entire program cancellation * Output switchover * Pause mode * Warnings by tone and indication
Dimensions	1,8 (H) x 16,5 (W) x 9,0 (D) inches 44,5 (H) x 420 (W) x 228 (D) mm
Weight	Approx. 5,5 lbs (2,5 kg)
Operating Temperature	32°F to 122°F (0°C to 50°C)
Accessories	Power cord Operating Instructions Program table Output Identification label

\*Specifications are subject to change without notice.

## APPEARANCE AND DIMENSIONAL DIAGRAM



- ① Program Switch
- ② Day Indicator
- ③ Day Setting Keys
- ④ Clock Setting Keys
- ⑤ 00 Sec. Key
- ⑥ Time Key
- ⑦ Pause Key
- ⑧ Pause Mode Indicator
- ⑨ Time Mode Indicator
- ⑩ Cancel Key
- ⑪ Adjust Key
- ⑫ Channel Key
- ⑬ Channel Indicator
- ⑭ Day Key
- ⑮ Day Mode Indicator
- ⑯ Store Key
- ⑰ Check Key
- ⑱ AUTO/OFF Switch
- ⑲ Manual Switch
- ⑳ Channel Assignment Switch
- ㉑ Memory Backup Switch
- ㉒ Output Channel Terminal
- ㉓ Earth Terminal
- ㉔ AC Power Inlet

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