

User's Manual

Welcome your patronage. Please read this manual carefully before use.



PA2089T *Programmable Timer*



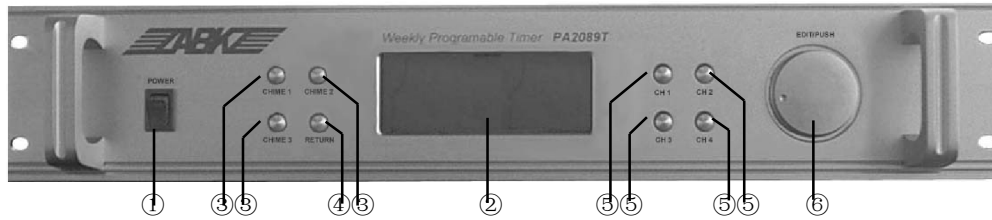
Performance features

- | LCD screen display, Chinese subtitle, with the operation status being clear at a glance.
- | Digital operation, graphic interface, multi-level menu operation mode, realizing practically the most simple and easy operation.
- | The panel is provided with a direct selective key of force insertion type for the chime and the power supply channel, available to intervene the program “manually” at any time.
- | The alarm trigger is available to enter the activating status at any time.
- | Programmable timer for a week, available to set up more than 60 time points everyday, and with memory of the time and program when power is cut off.
- | 4 power supply channels for programmable control timer.
- | The sharp hour chime presentation, three kinds of chime available for selection inside the system.
- | Available to control externally the equipment, such as “CD player”, “tuner”, “play deck” and

“player”, etc.

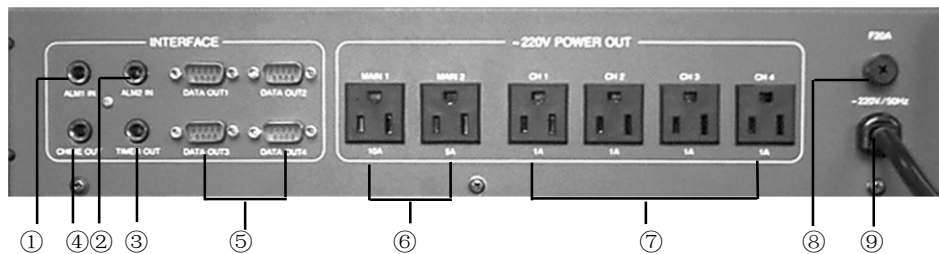
This page is for the summary record of consumer.

Front panel



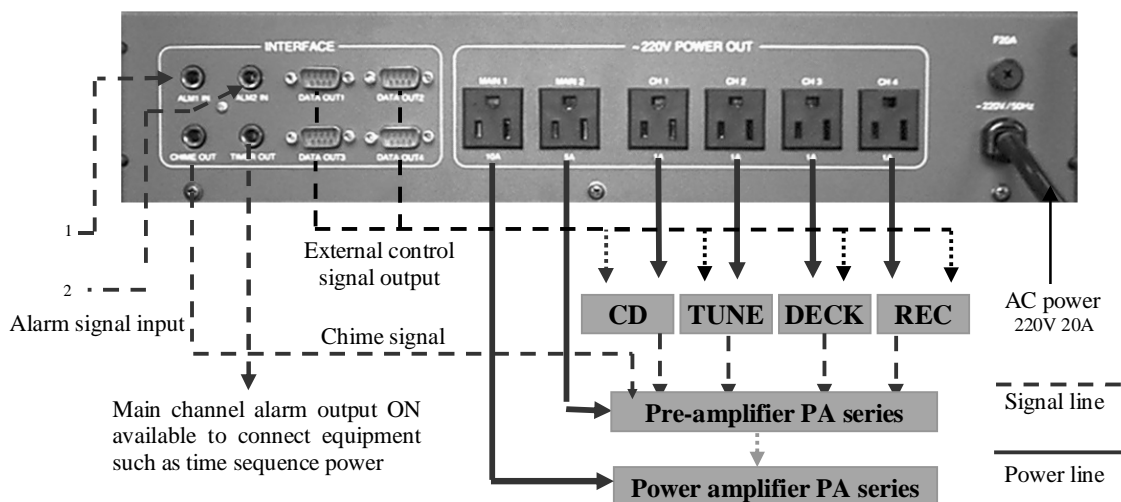
- ① Power switch (press 1 for power ON and the power indicator is lit.)
- ② LCD screen
- ③ Forced insertion key for chime
- ④ Forced insertion key for cancel
- ⑤ Forced insertion key for change over of power supply
- ⑥ Digital wheel

Rear panel



- ① **ALM1 IN** Alarm signal input port 1
- ② **ALM2 IN** Alarm signal input port 2
- ③ **TIMER OUT** Main power alarm output port
- ④ **CHIME OUT** Chime signal output port
- ⑤ **DATA OUT1, 2, 3, 4** 4-external control ports
- ⑥ **MAIN1, 2** Main channel power output socket
- ⑦ **CH1, 2, 3, 4** Timer channel power output socket
- ⑧ **F 20A** Fuse (20 A)
- ⑨ **~220V/50Hz** 220V AC mains input

Connection method









Main interface

Power 1 ON 2 OFF 3 ON 4 OFF

Friday 13 : 38 : 26

Next timer point: 17:30 Friday

- I **Power supply 1, 2, 3 and 4** The output operating status of rear panel CH1, 2, 3 and 4, with the flashing for the forced insertion status;
- I **Week: Hour: minute: second** The present specific week day and time (24 hours system);
- I **Next timer point:** The specific week day and time (24 hours system) of the latest programmable timer point;
- I  The present valid alarm signal input of the rear panel ports **ALM1 IN** or **ALM2 IN**;
- I  The controlled peripheral equipment **CD** is playing at present;
- I  The controlled peripheral equipment **tuner** is playing at present;
- I  The controlled peripheral equipment **player deck** is playing at present;
- I  The controlled peripheral equipment **digital recorder** is playing at present;
- I  **CHIME OUT** port at the rear panel with chime signal output at present.

Programming

- I **Programming operation** Press **DIGITAL WHEEL** to enter **operation entry** interface at the main display interface.
 1. **Adjusting time** **Operation entry** interface has four entries: **Timer programming, adjusting time, duplicate timer and exit setup**. Rotate the digital wheel to select the **adjusting time entry**, pressing digital wheel again to enter the interface for **adjusting time**. Rotate the digital wheel to select the entry to be adjusted, press the digital wheel to make the cursor of **▲▼** appeared behind the entry; Then rotate the digital wheel to adjust the parameter, and press the digital wheel to exit from the adjusting. Press the confirm entry after adjusting properly the other parameters following the method given above, the adjustment made will take effect right away and the system will return back to the **operation entry** interface; Press the **cancel** entry, all the adjustment will be invalid and the system will return back to the **operation entry** interface. Press the **exit setting** entry of the **operation entry** interface to return

back to the main display interface.

2. **Timer programming** Press the digital wheel to select the **timer programming** entry to enter the **timer programming interface**. There are 17 entries in the **timer programming** interface in sequence as follows: **Week** □, **ordinal number** □, **time** □ : □, **power supply 1** □ **2** □ **3** □ **4** □, **chime** □, **CD player** □, **tuner** □, **player deck** □, **digital recorder** □, **newly add, delete, delete whole day and exit**. Among them, the **week** entry parameter is used for locating the concrete date of the program given; The ordinal number entry parameter is added for 1 automatically each time a **newly added** entry is selected and pressed, and will be sequencing **automatically** in accordance with the order of the time sequence of that very day. The entry parameter is only provided for use to check the time point. It is required to press firstly the **newly added** entry to increase the blank time point to provide for the writing when it is the first time to write the time point of that very day; The seven entries such as the power supply channel (1, 2, 3 and 4) status, **newly add, delete and exit** are the direct selective entries, and will take effect immediately when they are selected and pressed; As to the **delete the whole day** entry, a confirm interface will be popped out if you press it, choosing and pressing it further to take effect immediately; If that entry can not be chosen and pressed, then, there must be no timer program on that day and all of all parameters inside the □ are all blank at this time; The adjustable parameters for the other entries include: Press the entry to be adjusted with the digital wheel so that the cursor of ▲▼ appears after the entry, go on rotating the digital wheel to adjust the parameter, and press the digital wheel to exit from the adjustment (the adjustment will take effect right away at this time.) Press the exit entry to return back to the **operation entry** interface after the various parameters have been adjusted properly. Press the **exit setting** entry at the **operation entry** interface to return back to the main display interface.
 3. **Duplicate timer** Press the **duplicate timer** entry with the digital wheel under the **operating entry** interface to enter the **duplicate timer** interface. The interface contains nine comparably direct entries, the operation of which may be fulfilled using the method of pressing. Press the **cancel** entry to return back to the **operation entry** interface; Press the **confirm** entry to pop up an instruction interface for the duplicate process, and it will return back to the **operation entry** interface automatically after completing the process. Press the exit setting entry of the **operation entry** interface to return back to the main display interface.
- I **Clear the memory** It is better to clear the memory thoroughly once prior to the programming to prevent the residual program to be run unintentionally, resulting in confusion. There are two methods of clearing the memory as follows:
1. Adjust the parameter of the entry of **week** □ respectively under the timer programming interface as: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday, pressing the **delete whole day** entry respectively and confirming, and all the memories in the week will be cleared in 7 times.
 2. Press the **delete whole day** entry and confirm under the **timer program** interface, remember the parameters of the present **week day** □ entry (for example: Monday). Then under the **duplicate timer** interface, duplicate the whole day timer points of week day that you remember (for example: Monday) to the other six days (for example: Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday), and

all the memories in a week will be cleared completely.

I Program browse It is necessary to browse the programs already compiled to prevent mistaking after the programming is completed. The browse method is as follows: Enter the **timer program** interface, adjust the **week** entry parameters and use them for locating the concrete date for browsing; It is available to browse in real-time all the programs of that day by adjusting the **ordinal number** entry parameter.

I Running The inner programs will be started and run after the equipment is normally powered on.

I Other functions

- 1. Data protection function** The programming will not effect the normal operation of other programs; The programs compiled will run right away and have memory for power off; Including the memory for the power off during the deleting and duplicating process and the memory for the time power off.
- 2. Intelligent main interface** The backlight indicator is lit manually, or is lit programmable and automatically, and it is distinguished automatically in 1 minute when there is no operation; It is distinguished automatically in 5 minutes when there is no operation for other interfaces.
- 3. Main power logic output** **MAIN 1 and 2** will be turned on automatically and the interface of **TIMER OUT** will be triggering the output alarm signal when any of **CH 1, 2, 3 and 4** channels in the program is turned on; **MAIN 1 and 2** will be turned off when **CH 1, 2, 3 and 4** channels are all turned off; The alarm output signal of **TIMER OUT** interface will be stopped at this time.

Performance specifications

Timer socket	2+4 pcs (real time power net voltage)
Socket capacity	MAIN 1: 220 V , 10 A
	MAIN 2: 220 V , 5 A
	CH 1, 2, 3 and 4: All are 220 V, 1 A
Timer points	Programmable, no less than 420 time points
Time system	24 Hour system
Programmable channel number	4 (CH 1, 2, 3 and 4)
Type of chime	3
Chime level	300mV
Alarm input	2 Channels
Alarm output	1 Channel
Alarm level	0 V (short-circuit)
Controllable equipment type	Compatible for series CD player, tuner, player deck, digital recorder
Controllable equipment limit	4 sets (CD player, tuner, player deck, digital recorder each)
Max. control distance	1 km
Protection	F20A AC fuse, 1 pc
Power supply	AC 198-242 V/50-60 Hz
Dimensions	485×88×375 mm
Gross weight	11.3 kg
Net weight	10 kg

No prior notice will be given if there is any change in the performance specifications.

Remarks

- The equipment is not disconnected with the power supply completely when the power switch of the equipment is under “off” status. Please pull out the power plug from the socket for the safety purpose when the equipment is not to be used.
- The equipment should not suffer from the drop of water or water splash and it is not allowed to place objects such as vase filled up with water on the equipment.
- Please do not open at will the machine housing to prevent electric shock. It is required to ask the certified professional personnel to carry out the repair when it is needed.

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