



A 1707 50 Station 24hr, 7 Day Timer



Overview

The A 1707 is a versatile timer which has four switched outputs at 24V and four closing contacts which activate simultaneously. The unit has a total of 50 station or cycle times. Each of these stations can be set to turn on any day of the week or multiples of days (e.g. Monday-Friday) for up to 24hours. Multiple day entries account for only one station. E.g. Each of the 50 stations could be set to turn on Monday-Sunday giving the user access to 50 different turn on times each day.

Each of the 50 stations can be set to any of the 4 outputs. Note: a station cannot be set to turn on more than one output simultaneously.

Each of the outputs can also be selected manually to be either "on" or "off".

There are also a number of dip-switches on the rear of the unit for battery backup and various security lockout features.

DIP Switch Settings

DIP 1 – BATTERY BACKUP FUNCTION. With this dip-switch "on" the clock will be backed up in the event of a power failure. Note that the display is not backed up, only the clock chip itself. The switched outputs will also turn off in the event of a power failure.

DIP 2 – STATION EDIT LOCKOUT. With this dip-switch "on" the unit will not access the station edit mode. Therefore no changes can be made to station times.

DIP 3 – EDIT TIME LOCKOUT. With this dip-switch "on" the unit will not access the time edit mode. Therefore no changes can be made to the current time.

DIP 4 – CLEAR MEMORY LOCKOUT. With this dip-switch "on" the memory cannot be erased.

Operation

The unit is operated by navigating through the menu structure via the up arrow, down arrow, menu and enter buttons. When the unit is first switched on the time and day will be displayed. This is the "clock mode". Holding the "menu" button will enter the main menu. Scroll using the "up" and "down" buttons to navigate through the selections listed below.

- 1) Manual Selection Of Output Zones
- 2) Add or Edit A Station Time
- 3) Edit time on clock.
- 4) Clear Memory of ON/OFF times.
- 5) Exit Main Menu

Press the "enter" button to select one of the five options.

Note: Pressing the "menu" button again or pressing "enter" on option 5 will return to the "Clock Mode."

SPECIAL NOTE FOR FIRST TIME USE

When powering up the unit for the first time it will be necessary to clear the memory before entering any station times. If this is not done the unit will not operate correctly. To do this use option 4 in the menu. Refer to the section on clearing the memory.

Next enter the current time using option 3 in the menu. Refer to the section "Edit Time On Clock".

1) SELECTION OF ZONES

The output zones are displayed in this sub-menu. Scroll using the up and down buttons. To select press the "Enter" button.

Each output zone can be set on, auto or off.

If an output zone is set to "on" then it will remain "on" until it is manually switched off or until it is set back to auto and the timer functions determine it should be "off".

Note: if power is removed, all outputs will switch off and all zones will return to auto mode once power is restored.

If an output zone is set to "off" then it will remain "off" until it is manually switched on or until it is set back to auto and the timer functions determine it should be "on".

Each of the four output modes are displayed via the LEDs on the front of the unit.

If zone is in auto mode then the corresponding auto LED will be illuminated.

If a zone is manually set "on" or "off" then the auto LED will turn off and the corresponding manual LED will turn on.

If a zone is set "on" manually then the "ON" LED will illuminate.

If a zone is set "off" manually then the "ON" LED will not illuminate.

To exit press the "Menu" button or press enter on the exit option.

2) ADD OR EDIT A STATION TIME

This menu allows the user to enter the “turn on time”, “duration” and output zone information.

On entering the menu a cursor will appear over the number (1), this is the station number. There are a total of 50 stations available. While the cursor is on the station number, the user can scroll through the stations by pressing the up, down or +10 button.

Once the station number is selected, pressing the “enter” button will move the cursor to the day option. The day can be set to any day of the week or multiple days as listed below.

Multiple day options include:

Monday-Friday
Saturday-Sunday
Monday,Wednesday,Friday
Tuesday,Thursday,Saturday
Monday-Sunday
Monday-Thursday
Tuesday-Friday
Monday, Friday
Tuesday, Wednesday, Thursday

Pressing “enter” will confirm the day and move the cursor to the hour option. This is where the “turn on time” is set. Change the hour by using the up, down and +10 buttons. Pressing “enter” will move the cursor to the minute option. Repeat the above procedure for the minute and seconds. Pressing “enter” after confirming the seconds will take the user to the screen for setting the zone output and the duration. The duration is the amount of time the unit will activate the selected zone.

The cursor will appear over the station number. Once again the user can scroll through the various stations using the up, down or +10 buttons. This can be handy when the user wishes to scan the output zones. Pressing the “enter” button will move the cursor to the zone option. The zone corresponds to the switched output number. Setting the zone to “0” will turn this station off.

Pressing the “enter” button again will move the cursor to the hour option. The duration information is entered in the same way as the “turn on time” as described above. The duration can be set to a maximum of 23 hours 59 minutes and 59 seconds. (NOTE: If a zone is selected and the duration is set to 00:00:00 the zone will be set back to OFF automatically on exiting the menu.)

Pressing “enter” after setting the seconds will take the user to the next station. The menu button can be pressed at any time to exit the station edit menu.

3) EDIT TIME ON CLOCK

The current time can be edited in this menu.

On entering this sub-menu a blinking cursor will appear on the day of the week (it may appear blank). To change the day scroll using the up and down buttons. Press “enter” to confirm the day. The cursor will then move to the hour. Change and press “enter” to confirm. Do the same again for the minute and seconds. If no change is needed at any stage just press enter to move to the next stage.

4) CLEAR MEMORY OF ON/OFF TIMES

This function will clear the internal memory, erasing any information entered.

This must be done before using the unit for the first time.

On entering this menu you will be asked if you wish to clear the memory. Press “enter” to confirm or press the “menu” button to exit.

Setting DIP switch 4 to the “on” position after clearing the memory will lock out the memory erasure function. This is recommended to prevent accidental erasure by the user while unit is in operation.

The backup battery is located inside the unit and can be accessed by removing the lid.

Battery type CR2032
 Altronics P/No: S 4999.



Switched 24V DC out:Screw terminals
 24V DC power output:2.1mm DC Plug
 Power supply:24V DC
 Dimensions:≈210W x 120D x 44H
 Weight:≈0.85 kg
 Colour:.....Black
 * Specifications subject to change without notice.

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