

# FT-100 Programmable Timer (Seven Day - Multi-event)

## Operating Voltage

6-12 volts AC/DC

## Operating Current

Voltage	6VDC	12VDC
Relay Inactive	3mA	14mA
Relay Active	22mA	40mA

## Program Memory Backup

Internal 10-year Lithium Battery will provide clock memory backup for 6 months continuously


## Output

Single Pole, Double Throw (Form C)  
Relay Hold In Time Adjustment: 1-60 Seconds  
Contact Rating 1A @ 26VDC  
0.5A @ 115VAC

## Output Format

Single Pulse - Relay activates at ON time, holds for time period set by delay adjustment, OFF time has no effect on the output relay activation, but must be programmed in.  
Double Pulse - Relay activates at ON time and OFF time for time period set by delay adjustment.  
Interval Time - Relay activates at ON time, holds, and deactivates at OFF time.

## Time Format

24 hour (military) format. RESET  button resets ALL clock programming.

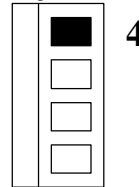
## Programming Capability

84 weekly events can be handled by the FT-100 Timer. Six ON timers, six OFF timers are programmable for a weekly, or individual day operation. Block time periods are also provided to control several days with a single programming input. The provided blocks are: Monday thru Friday; Saturday and Sunday; Monday thru Saturday

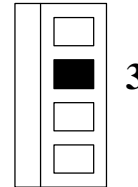
### Mode Set Dipswitch

To enable function: Set indicated switch ON.

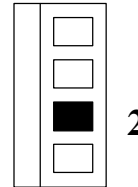
#### Single Pulse



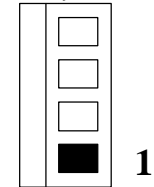
#### Double Pulse



#### Interval Time



#### Battery Enable

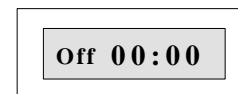



## Time Set


Activate the Memory Backup Battery by switching mode set dipswitch 1 to ON.


The Liquid Crystal Display (LCD) will come on showing


Apply system power to the FT-100 unit.



Press and **HOLD** the leftmost button marked 


To set HOURS, use the button marked 

To set MINUTES, use the button marked 

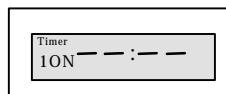
To set DAY OF THE WEEK, use the button marked 


Release the **HOLD** button marked 

## ON/OFF Times

Press and release the button marked  once to enter program mode.

The LCD will show



Pressing the  button a second time will set the unit to OFF timer 1.

This sequence will continue for 6 ON timers and 6 OFF timers for a total of 12 timers



## To Program

an ON or OFF instruction for a particular day and time:

Select the desired timer: 1 thru 6 ON; 1 thru 6 OFF

Program the desired time and day using the **h+**, **m+**, and **Day** buttons

If a **DAY** is **NOT** selected, the action will occur **EVERY** day.

NOTE: The **Day** blocks are accessed by stepping the **Day** button

## To Program

an ON or OFF instruction for all week:

Select the desired timer: 1 thru 6 ON; 1 thru 6 OFF

Using the **h+** and **m+** buttons, program the desired time.

## To Program

an ON or OFF instruction for a block of time:

Select the desired timer: 1 thru 6 ON; 1 thru 6 OFF

Using the **h+** and **m+** buttons, program the desired time

Using the **Day** button, program the desired block

Monday thru Friday  
Saturday and Sunday  
Monday thru Saturday

**CAUTION:** An ON timer will only provide an output if the clock is OFF prior to the ON instruction.

If the ON and OFF timer are programmed for the same time, the OFF time will take priority.

## To Exit Program

Press and release the **⏪** button to exit program mode

## Select Output Format

Select one: Single Pulse, double pulse, or interval time, and adjust relay hold time 1-60 seconds.

Note: If no selection is made, relay will **NOT** activate.

## Holidays

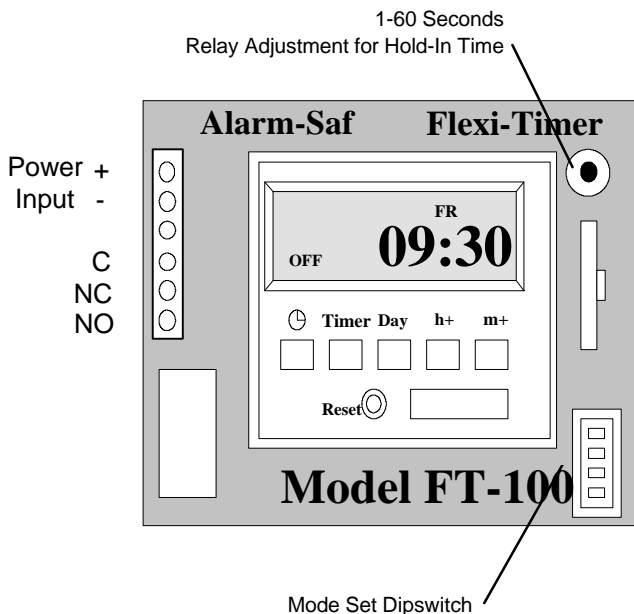
There is one method to compensate for holidays with the FT-100

Override Command: Manually program an OFF instruction into an unused timer for the same time as the normal ON instruction. When two commands are programmed at the same time, the OFF instruction will take priority. For automatic holiday compensation, use model FT-200.

## Daylight Savings Time

The clock must be adjusted twice a year to compensate for time changes (only the time, not the program).

## Example



## Problem

The customer wishes to set up safe access to an office area for a contracted janitorial service. Access will be between the hours of 6-9PM on Tuesday and Thursday evenings and 1-4PM on Saturday afternoon.

It is decided to shunt the alarm system in that particular area of the building during those hours and only allow the janitorial service an access key to the mechanical door lock.

## Solution

The AlarmSaf FT-100 Flexi-Timer may be easily set up to accomplish this or any other similar task.

Set Mode Switch to Interval Time (IT)

Set ON Timer 1 - Tuesday 18:00 - Shunts protected area  
Set OFF Timer 1 - Tuesday 21:00 - Removes shunt

Set ON Timer 2 - Thursday 18:00 - Shunts protected area  
Set OFF Timer 2 - Thursday 21:00 - Shunts protected area

Set ON Timer 3 - Saturday 13:00 - Shunts protected area  
Set OFF Timer 3 - Saturday 16:00 - Removes shunt

