PROGRAMMABLE CLOCK TIMER (FT)

The Flexi-Timer Series of programmable timers provides a line of multiple event timers designed using the technology of the watch makers to fill the needs of the alarm industry. Fast, easy programming and visual English language display makes this the most versatile timer of it's type within the industry. Up to 12 internal timers control a maximum of 84 events within a week, programmable by individual or block periods, with selectable modes of single pulse, double, pulse or interval time. First person In (FPI), a unique feature on the FT-200, compensates for Holiday Programming. An on-board lithium battery is provided on most models to retain programming in the event of system power loss. Cabinet mount or flush mount versions are available.

DIMENSIONS

Board Size
- 2.75"L x 3.50"W x 1.62"H, 7.00cm x 8.9cm x 4.11cm

Mounting Plate (FT-200)
- Two Gang Electrical

SPECIFICATIONS

Model	Order Number	Operating Voltage	Operating Current	Internal Timers	FPI	Backup Battery	Single Pulse	PulseWidth Adjust	Double Pulse	Interval Time	Flush Mount
FT-247	00205	6-12VAC/DC	8/50mA*	6			●	●			
FT-247B	00206	6-12VAC/DC	8/50mA	6		●	●	●			
FT-100	00207	6-12VAC/DC	8/50mA*	12		●	●	●	●	●	
FT-200	00208	6-24VAC/DC	8/50mA*	12	●	●	●	●	●	●	●

* Relay Inactive/Relay Active

FEATURES

- Six or Twelve Programmable Event Timers
- Block Programming
- Single pulse Mode
- Double Pulse Mode
- Interval Time Mode
- Large Liquid Crystal Display
- Large Finger Size Buttons
- Quartz Timing
- SnapTrack Compatible

TYPICAL USES

- Automatic Arm/Disarm
- Digital Dialer Test Timer
- Industrial Process Control
- Exception Reporting
- RF Communicator Test
- School Bell Timer
- Break Timer
- Access Control Timer
- Timed Zone Shunting
- Heat Control
- Air Conditioning Lockout
- Lighting Control

FUNCTIONS

Single Pulse
A momentary relay closure will occur when the ON Timer activates. The duration of the closure is adjustable from 1 second to one minute by means of a potentiometer adjustment. OFF Timers will have no effect in this mode but must be programmed to ready the clock for the next cycle.

Double Pulse
A momentary relay closure will occur when the ON Timer and OFF Timer activates. The duration of the closure is adjustable from 1 second to one minute by means of a potentiometer adjustment.

Interval Time
A relay closure will occur at the activation of any ON Timer and remain until the activation of any OFF Timer.

Block Programming
Available timing blocks are: every day, Monday through Friday, Saturday and Sunday, Monday through Saturday

First Person In (FPI)
A unique circuit to delay the operation of an OFF Timer until enabled by an outside action. This provides the ability to use automatic Arm/Disarm on an alarm system without having to worry about unwanted disarming during holidays or in the event of employee late arrivals.

EXAMPLE 1

Problem

An access control system is required that will automatically arm and disarm the system at pre-specified times. At no time will the system automatically disarm without an authorized person at the premise. What can be done to cover late arrivals, or holidays, etc.?

The customer wishes to set up an alarm system with the following characteristics:

1. Automatic Arm/Disarm
2. Alarm Coverage will not have gaps due to rigid arm/disarm times
3. Holiday programming should not be required
4. Desired access times will be:
   Monday through Friday 8:00AM - 5:00PM
   Saturday 9:00AM - 1:00PM
5. Alarm Panel accepts momentary activation

Solution

The AlarmSaf FT-200 Flexi-Timer will easily accomplish this task by utilizing the optional "First Person In" (FPI) feature. This unique feature allows automatic Arm/Disarm of an alarm system only with verification by an employee.

Set Mode Switch to Double Pulse (DP)
Set ON Timer #1
    Block Monday through Friday 5:00PM (17:00)
    {Arms system}
Set OFF Timer #1
    Block Monday through Friday 8:00AM (08:00)
    {Disarms system after 8:00AM and after receiving FPI activation}
Set ON Timer #2
    Saturday 1:00PM (13:00)
    {Arms system}
Set OFF Timer #2
    Saturday 9:00AM (09:00)
    {Disarms system after 9:00 and after receiving FPI activation}
Holidays require no programming because the system will not disarm on a holiday without the FPI activation

EXAMPLE 2

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 - 9 PM on Tuesday and Thursday evenings and 1-4 PM 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 similar task.

Set Mode Switch to Interval Time (IT)
Set ON Timer #1
    Tuesday 6 PM; {Shunts protected area}
Set OFF Timer #1
    Tuesday 9 PM; {Removes shunt}
Set ON Timer #2
    Thursday 6 PM; {Shunts protected area}
Set OFF Timer #2
    Thursday 9 PM; {Removes shunt}
Set ON Timer #3
    Saturday 1 PM; {Shunts protected area}
Set OFF Timer #3
    Saturday 4 PM; {Removes shunt}

EXAMPLE 3

Problem

The customer wishes to send a test communication by digital dialer from a secure location every Monday, Wednesday, Friday, and Sunday to test the digital dialer. The central station prefers that all test communications occur during CS slow time, between 2:00 and 5:00 AM with the test time repetitive from day to day within a 5 minute period.

Solution

Set ON Timer #1 Monday   03:30 (15:30)
Set OFF Timer #1 Monday   03:31 (15:31)
Set ON Timer #2 Wednesday   03:30 (15:30)
Set OFF Timer #2 Wednesday 03:31 (15:31)
Set ON Timer #3 Friday   03:30 (15:30)
Set OFF Timer #3 Friday   03:31 (15:31)
Set ON Timer #4 Sunday   03:30 (15:30)
Set OFF Timer #4 Sunday   03:31 (15:31)
Set Relay adjustment for 1 second or whatever is needed to overcome dialer input delay