



Flexcharge™ USA PROGRAMMABLE TIMER

7 Day, 8 Event Pairs, 16 Amp Resistive, 8 Amp Inductive, 12 Volt

OVERVIEW

Now you can have full control of lights with the accuracy of a Quartz clock. Perfect for sign, yard lights, etc. The light can be turned on and off at specific times of day and many times a day if needed. When used in conjunction with the Flexcharge NC12L12 or Night Watchman Dusk to Dawn controls, you can delay the evening turn on until it is dark but still have an exact turn off time. This will automatically compensate for changing sunset times. An internal replaceable Lithium battery will retain your programming in the event of a system power failure. The basic system is capable of controlling loads up to 16 amps at 12 volts and can easily drive an external relay to load capacities up to 100 amps.

INSTRUCTIONS

Follow the wiring diagram to connect the wires to your 12 volt system. The timer must operate from 12 volts AC or DC but the switch will control any voltage up to 250V. The BAT+ and BAT- terminals must be connected to a 12 volt source to switch the load on and off. **You must supply power to the Common (C) terminal for the load to obtain power.** This can be any voltage up to 250 volts to meet your load requirements. For example if your load is to operate from the same power source as the timer clock, connect the (C) terminal to the battery positive terminal.

SETTING TIME

Set the clock to your local time and the day of the week.

- 1) Press and hold the **CLOCK** button.
- 2) Set the day of the Week by pressing the **DAY** key until the correct day appears.
- 3) Set the **HOUR** by pressing the **HOUR** key until proper hour appears. (24 hour time)
- 4) Set **MINUTE** by pressing the **MIN** key until the proper minute appears

When the time and day is set, release the **CLOCK** key

PROGRAMMING: It is not necessary to use all 8 event pairs but you will need to set both an *ON* time and an *OFF* time for each event.

1) Pressing the **TIMER** key will enter the Program mode. Pressing the **TIMER** key will scroll through the events. Stop on the event you want to set. There are 8 events and an *ON* and *OFF* time for each event.

2) Press **DAY** key to select the day or group of days. Press the **HOUR** key to set the hour and the **MIN** key to set the minute. To clear the event, press the **DAY** key until the setting clears. Always set an *OFF* time for each *ON* time. It is possible to have one *OFF* event for several *ON* events. For example, if you have a light that comes on at different times each day but is to be *OFF* at the same time every day. One *OFF* event is all that is needed as long as it covers all of the *ON* days.

When the programming is complete, press the **CLOCK** key.

The **MANUAL** key will select *ON*, *AUTO*, and *OFF*. For Automatic operation it must be set to *AUTO*. You can manually turn the load *ON* and *OFF* by selecting *ON* or *OFF*.

All programming and time can be reset to New settings by pushing the **RESET** button with a pencil or pen. **Use caution, all programming will be lost when this button is pushed**

Units manufactured after 10/01/00. After several years the battery may need replacement, contact the manufacture or your dealer for further instructions.