

# DC Digital LCD Timer Switch



With a 12 volt or 24 volt digital timer you can now turn DC lights, DC stereo, DC pump and other 12 volt or 24 volt appliances on and off at preset times or at random times automatically.

## Specifications

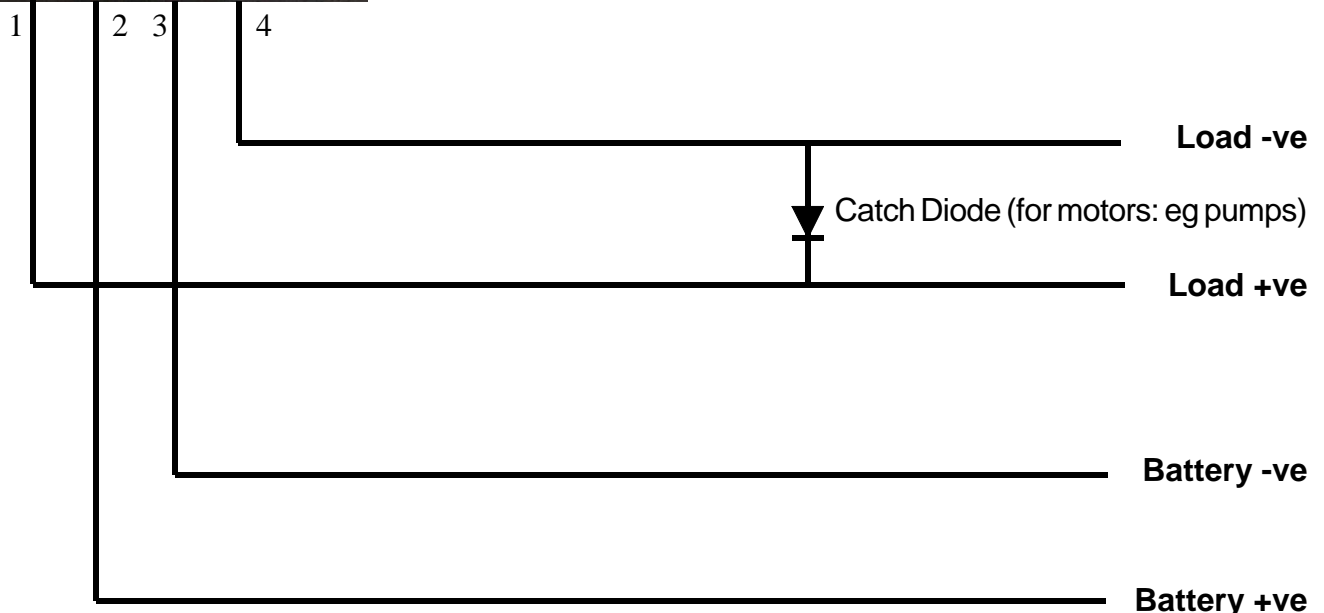
**Input:** 12v DC Model (5 mA at idle, 50 mA Relay Energised)  
24v DC Model (11 mA at Idle, 58 mA Relay Energised)

**Backup Battery:** 1.2v DC NiCad Rechargeable

**Switching Relay:** 30v DC Max  
16 Amps DC Max (8 Amps Inductive load)

**Dimensions:** 66mm × 88mm × 42mm **Weight:** 104 gm

- Features:**
- Has 8 on/off programs and up to 56 on/off settings for daily and weekly function.
  - Digital Time Switch for 7 days – 24 hour.
  - Manual button for temporary override.



Connect the leads to the terminals as follows (numbering of terminals - left to right as seen from the front):

- 1 Apply DC input to terminals 2 (Source Positive) and 3 (Source Negative).
- 2 Loads (output) connect positive to terminal 1 (Load Positive) and 4 (Load Negative)

**Please note:** the position of the *catch diode* in the diagram above. This diode will protect any electronics, including the regulator (eg Plasmatronics PL) from any reverse transient current generated by the motor. The silver line end of the diode needs to connect to the positive connection on the motor.

If load is polarity sensitive (eg motor, fan, stereo, DC fluoro etc) ensure that all polarities are correct.

Programming - See Over



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# Instruction Manual

## 1. To set time and day of the week:

### 1.1 Set day of the week:

- 1.1.1 Press CLOCK key and WEEK key. The day of the week will be changed.
- 1.1.2 Release both keys. The day of the week will be set.

### 1.2 Set Hour:

- 1.2.1 Press CLOCK key and HOUR key. The hour will be changed.
- 1.2.2 Hold CLOCK and HOUR keys more than 3 seconds. The hour will shift faster.
- 1.2.3 Release both keys.

### 1.3 Set Minute:

- 1.3.1 Press CLOCK key and MIN key. The minutes will be changed.
  - 1.3.2 Hold CLOCK and MIN keys more than 3 seconds. The minute will shift faster.
  - 1.3.3 Release both keys. The minute will be set.
- Notice that when the time and the day of the week are set. The seconds will be reset.

## 2. To set Programs:

- 2.1 Press PROG key to enter into program mode.
- 2.2 Program 1 turn-on time is ready to be set.
- 2.3 Press WEEK key to select the day of the week.  
There are 15 settings for day of the week to choose from:  
(1) Mo (2) Tu (3) We (4) Th (5) Fr (6) Sa (7) Su (8) Mo to Su. (9) Mo to Fr (10) Sa+Su  
(11) Mo to Sa (12) Mo. We. Fr (13) Tu. Th. Sa. (14) Mo. Tu. We. (15) Th. Fr. Sa (16) Mo+We+Fr+Sa
- 2.4 Press HOUR to set hour.
- 2.5 Press MIN to set minute.
- 2.6 After setting the program 1 ON time; press PROG key to set program 1 OFF time.
- 2.7 Repeat steps 2.3 to 2.5 to set the program OFF time.
- 2.8 After setting program 1 ON/OFF time, repeat steps 2.1 to 2.7 to set program 2 to 8.
- 2.9 Pressing the R at any stage of the programming will reset the program, whereas the RESET key will reset the time and all programs (see 4. To reset timer - below).

## 3. To select ON/Auto/OFF:

- 3.1 Press MANUAL or AUTO key to select ON/Auto/OFF modes.
- 3.2 ON mode is to turn on the timer. Auto mode is to set the timer to program mode. It will turn ON/OFF according to the program time. (From ON to Auto, it will turn on the timer according to the program ON time. From OFF to Auto it will turn off the timer according to program OFF time. OFF mode is to turn off the timer.

## 4. To reset the timer:

- 4.1 Press RESET key to reset the timer unit. Press R key to clear the programs without affecting the time. Notice: Once the RESET key is pressed. The previous time and program will be cleared to the initial state (see 2.9 above for resetting programs only).

- 5. **Wire Connection:** Please see the wiring diagram on the back of the unit.