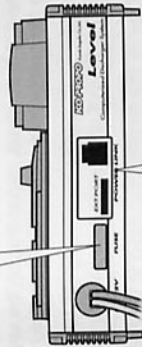
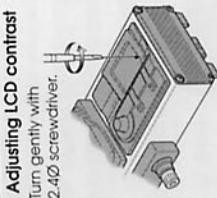


## Names of Parts / How to Use

**Fuse (2A)**  
When inserting a new fuse, be sure to push in correctly.



**Power Supply Outlet**  
Use either a stabilized power supply which holds above 1A, or a 12V battery with 5Ah or higher. In case of using a transformer as power supply, the power should be set as high as possible in the range of 12V ~ 16V. Doing so increases the spin of fan, and the thermostat sensor becomes hard to operate.



**Adjusting LCD contrast**  
Turn gently with 2.40 screwdriver.

**Power link connector terminals**  
Refer to P8

**Discharging Current Adjustment Knob**  
Turn it to the right for 5A, and to the left for 1A current during discharging, turn it quickly because Error 03 could be displayed if it is turned slowly.

**LCD Display**  
The data is shown on this display.

**Power Supply Cord**

**Alligator clips**  
Connect to the Power Supply terminals. (+RED, -Black)  
The number of cells and cutoff voltage are automatically reset as 6 cells/0.9V when the unit is disconnected from the power supply terminals. Set them again.

**Start Key**  
It is used to start discharging or to select the number of cells, etc.

**Monitor Lamp**  
(Red: Discharging in progress)  
(Green: Standby)

**Cooling Fan**  
Do not put anything on it.

**Fuse (7.5A)**  
When inserting a new fuse, be sure to push in correctly.

**Vent**  
Do not obstruct the vent where hot air exits.

Connect to the connector whose terminals are soldered. Ni-cd voltage can be measured more precisely with thick and short connectors.

**Select Key**  
It is used to switch the LCD screen.

**Terminals**  
Red (+)  
Black (-)  
Right turn to tighten.  
Left turn to loosen.

## Caution!

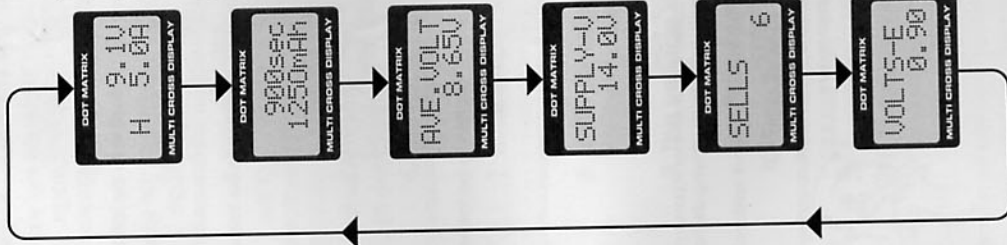
Be sure to connect or disconnect the Ni-cd as the unit is connected to the power supply.

## Discharging Procedure Important! Be sure to check the following items before the start.

- Discharging Current**  
Use 5A when the capacity of Ni-cd is 1100mAh or higher. Use 1A when the capacity of Ni-cd is less than 1100mAh. However, use 1A for Ni-cd with thin lead wire for receiver, even when the capacity is 1100mAh or higher.
- Select the number of cells**  
The unit shuts off earlier if you set the larger number of cells than actually used. On the other hand, Ni-cd will be damaged due to over-discharging if you set the smaller number of cells than actually used.
- Start discharging**  
The unit starts discharging after H mark appears on the LCD screen by pressing the Start key. (On any LCD screens but Ni-cd Select Screen and Cut Voltage Select screen.) After the start, the Ni-cd voltage is gradually decreased while the values on the Capacity and Average Voltage screens are getting larger. Discharging is stopped with the alarm when it decreases to the cutoff voltage.

## Explanation of LCD screen display

◆ How to Switch the screen.  
Switch the screen by pressing the Select key.



### 1 The Voltage • Current Screen

This screen appears when turning the Power on. It indicates the voltage and discharging current of Ni-cd. H-mark appears on the left side of Current indication.

### 2 The Capacity • Time Screen

The passage of time (sec.) is shown on the upper line, and a discharging current (mAh) is shown on the lower line. The values on this screen are stored until the power is turned off. You can check the deterioration rate by recording the capacity of a new Ni-cd.

### 3 The Average Voltage Screen

The average voltage during discharging appears on this screen. The values will be stored until the Power is turned off. You can check the deterioration rate by recording the voltage of a new Ni-cd.

### 4 The Supply Voltage Screen

It indicates the source supply voltage. (Measure it inside this unit)

### 5 The Ni-cd Select Screen

**Be sure to set!**  
The number of cells means the number of batteries inside a Ni-cd pack. (For example, there is an indication such as 6N or 8N on the label.) Select 1~10 cells by pressing the Start key. (The number 6 is selected when the Power is on.) The set value will be stored until the Power is turned off. (The value cannot be changed during discharging.)

### 6 The Cutoff Voltage Select Screen

The cutoff voltage is set at 0.9V when the Power is turned on. The cutoff voltage per cell can be changed in the range of 0.8 ~ 1.15V. The set value will be stored until the Power is turned off. (The value cannot be changed during discharging.)

## Caution

- ※ Error 08 appears when the unit becomes extremely hot, and it stops discharging. ! mark appears on the voltage, current, capacity, and time screens. The unit restarts discharging when decreasing the temperature. Decrease the discharging current to 1A since Error 08 appears again at the same current.
- ※ Avoid consecutive use of this unit because the thermostat sensor easily operates due to heat accumulation.
- ※ Be sure to take the Ni-cd off after discharging.