DATA-CONTROLLED ELECTRONIC LOAD

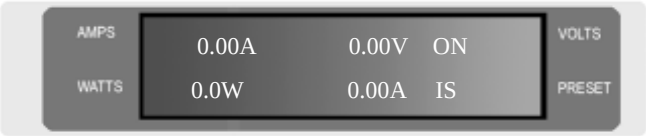
3710A-TYPE

Operating Manual

A R R A Y E L E C T R O N I C C O . , L T D

The Operation Manual of the Electronic Load

1. LCD Display



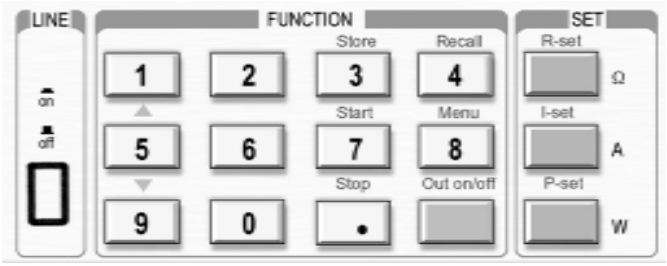
The above line is the real current value, voltage value and the output state.

ON (OFF) presents the output state of the power supply

The below line is the power value and the rated power value

IS (PS, RS, SW) presents the fixed current, the fixed power the fixed resistance and the programming output

2. The Arrangement of the Keyboard



In common state, the keyboard will execute the prompting functions of the black words. And in special mode, it will change into the functions of the orange color.

0~9: The number keys

Store: Save the current set value

START: Start the programming output

STOP: Stop the programming output

Recall: Read the saved set value

Up Operation: The up moving key

OUT ON/OFF: Start/Stop the output

R-Set: the fixed resistance output set

I-Set: the fixed current output set

P-Set: the fixed power output set

Menu: the menu operation key

Down Operation: The down moving key

Left Operation: The left moving key

Right Operation: The right moving key

ESC: The giving-up key. It may used to exit from any working state

OK: The confirmation key

Rotary SW: The side-to-side rotation key

3. The Brief Introduction of the Function

The main functions:	The sub-function:
1.the fixed current output	1.Max Current Set
2.the fixed resistance output	2.Max Power Set
3.the fixed resistance output 4.STORE	3.Program Set
5.RECALL	4.Communication Set
6.START	
7.STOP	
8.Powersupply Output ON/OFF	

4. The Function Operation

I-Set: the fixed current output set

1 In the current mode, rotating “Rotary SW” will change the fixed current value.

2 Press “I-Set” key, then rotate “Rotary SW” or directly enter the number key and finally press . In this way, the fixed current value also can be changed.

P-Set: the fixed power output set

Set in the same methods as the fixed current output set.

R-Set: the fixed resistance output set

Set in the same methods as the fixed current output set.

OUT ON/OFF: the power supply output set

After the powering on of the electronic load and it being in the OFF state, OUT ON/OFF key may be used to change its state and change into rotation state. That is to say, press the key in the state of OFF, the output will change into ON; press it in the state of ON, the output will change into OFF.

STORE/RECALL

Users may pre-save 9 sets of program set (1~9), which may be taken out quickly when needed.

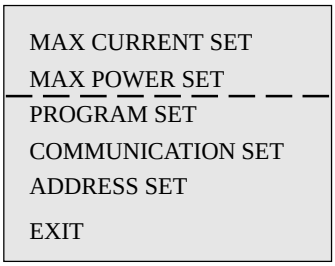
STORE

RECALL

START/STOP: the START/STOP of the program set

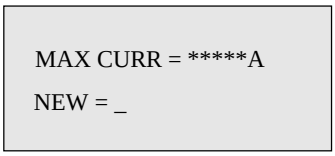
MENU (the menu function)

Press “MENU” key to enter the menu function, and the selectable menu will be displayed. Use the up and down operation key or the “Rotary SW” key, the functions on the following may be displayed in turn. Press “Enter” key, and it will enter the function at the position of the cursor.



MAX CURRENT SET

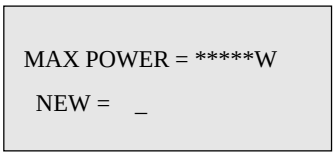
The following will be displayed on the LCD.



Users may use keyboard or “Rotary SW” to change the max current set (e0~30A) and press “Enter” key to end this function.

MAX POWER SET

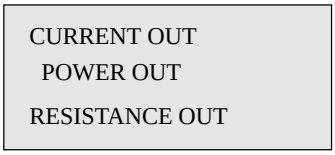
The following will be displayed on the LCD.



Users may use keyboard or “Rotary SW” to change the max power set (0~150W) and press “Enter” key to end this function.

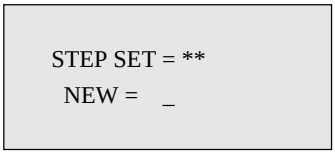
PROGRAM SET

1.The following will be displayed on the LCD.



Users may use up and down operation keys or “Rotary SW” to select the output methods of the fixed current, the fixed power and the fixed resistance and then press “Enter” key to confirm the set value.

2. The following will be displayed on the LCD.



Users may use keyboard or “Rotary SW” to change the step value (1~11) and press “Enter” key to confirm the set value.

3. The following will be displayed on the LCD.

```
STEP 1 OUT = ****
 NEW =   _
```

Users may use keyboard or “Rotary SW” to change the output set and press “Enter” key to confirm the set value.

4. The following will be displayed on the LCD.

```
STEP 1 TIM = ****S
 NEW =   _
```

Users may use keyboard or “Rotary SW” to change the time set and press “Enter” key to confirm the set value.

5. The following will be displayed on the LCD.

```
STEP 1 OUT = ****
 NEW =   _
```

Users may use keyboard or “Rotary SW” to change the output set and press “Enter” key to confirm the set value. Thus the program set is over. ONE TIME means to output once and REPEAT means to output repeatedly.

COMMUNICATION SET: the Buad Set

The following will be displayed on the LCD.

```
  BUAD RATE 1200
  BUAD RATE 2400
  BUAD RATE 4800
BUAD RATE 9600
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Users may use the up and down operation keys or “Rotary SW” to change the communication set and press “Enter” key to end this function. BUAD RATE 1200 means that the Buad Rate is 1200; BUAD RATE 2400 means that the Buad Rate is 2400; BUAD RATE 4800 means that the Buad Rate is 4800; BUAD RATE 9600 means that the Buad Rate is 9600.