

AC+DC Controller Instruction Manual

1. Button Instructions



As shown in the diagram:

A. The silkscreened labels on the 8 indicator lights from left to right are: A for current (A), W for power (W), AC for AC power supply, DC for DC power supply, Alarm for various alarm indicators, Tset (currently has no related function), Temp for water temperature ($^{\circ}\text{C}$), and V for voltage (V).

B. The silkscreened labels on the 6 buttons from left to right indicate two states: power on/off. When the device is on, AC+ increases the set temperature when powered on; AC- decreases the set temperature when powered on; DC+ increases the set temperature when powered on; DC- decreases the set temperature when powered on; Switch toggles the voltage and current display; pressing it once switches the display in the order $V \rightarrow A \rightarrow W \rightarrow \text{Temp}$; ON/OFF toggles the power on/off state. When the device is off, AC+ is the button to enter the settings menu; pressing and holding AC+ while the device is off will enter the settings menu. AC- is the confirmation button. DC+ is used to enter the settings menu and increase the value; DC- is used to enter the settings menu and decrease the value. The Switch has no actual function. ON/OFF still toggles the power on/off state.

C. The buttons are clickable; each click has an effect.

2. Menu Details and Settings Scope

Manu	Initial Set	Range	Marking
P0.0	0	0-99	Change the password to 3. Restore factory settings to 21. After adjusting, press AC- to apply the changes.
P0.1	1	0-1	Sensor type adjustment
P0.2	0	0-2	Power mode switching
P0.3	60	10-99	DCTemperature alarm setting value (°C)
P0.4	60	20-99	DCStatus power supply undervoltage protection value
P0.5	3000	500-3200	Controller maximum power limit
P0.6	250	100-900	DC to AC power point
P0.7	15	2-60	Interval between AC and DC switching time
P0.8	60	10-99	ACTemperature alarm setting value (°C)

3. Basic parameters:

A. DC input voltage range: 60-450VDC;

B. AC input voltage range: 85-265VAC;

C. Maximum current: 16A;

Kind regards,

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