

# Operation manual of frequency converter for pool pump



## Content

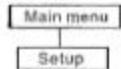
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Appendix: transducer fault code table

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## 5.1 Menu setup



### 5.1.1 Date and time setup

Real-time clock control includes all the scheduled task times and default functions. The design outage operation of real-time clock is as long as 48 hours, which means that time will be reset automatically after poweroff for over 48 hours. Factory reset time will be restored when it is powered on again, and it will remind users to reset time.

1) Make sure controller has been correctly powered on (green power indicator light is on)  
2) Make sure water pump is shut down

3) Press key 5 to enter the main menu;  
4) Roll to "Setup" through key 8 direction key and press key 7 to enter;  
5) Roll to "Date and Time" through key 8 direction key and press key 7 to enter;  
6) Roll to "Date" through key 8 direction key and press key 7 to enter;  
7) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

8) Roll to "Time" through key 8 direction key and press key 7 to enter;  
9) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

10) Roll to "Hour Format" through key 8 direction key and press key 7 to enter;  
11) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

### 5.1.2 Speed range setup (RPM)

The upper and lower limit of speed setup of each task will be limited by speed range. However, if the max RPM set value is lower than the min speed of self-priming task (2000 RPM), the max speed during operation of self-priming task will exceed the max speed set here.

#### 5.1.2.1 Setup of min RPM

The setup range of min RPM is 750 RPM-1700 RPM and default setup is 750 RPM. This value is used to limit the min RPM of water pump.

1) Make sure controller has been correctly powered on (green power indicator light is on)  
2) Make sure water pump is shut down

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3) Press key 5 to enter the main menu;  
4) Roll to "Setup" through key 8 direction key and press key 7 to enter;  
5) Roll to "Speed Range" through key 8 direction key and press key 7 to enter;  
6) Roll to "Min Speed" through key 8 direction key and press key 7 to enter;  
7) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

8) Roll to "Max Speed" through key 8 direction key and press key 7 to enter;

9) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

10) Roll to "Pump Address" through key 8 direction key and press key 7 to enter;

11) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

12) Roll to "Time Format" through key 8 direction key and press key 7 to enter;

13) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

14) Roll to "Time" through key 8 direction key and press key 7 to enter;

15) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

16) Roll to "Hour Format" through key 8 direction key and press key 7 to enter;

17) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

18) Roll to "Time Zone" through key 8 direction key and press key 7 to enter;

19) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

20) Roll to "Daylight Saving" through key 8 direction key and press key 7 to enter;

21) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

22) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

23) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

24) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

25) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

26) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

27) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

28) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

29) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

30) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

31) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

32) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

33) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

34) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

35) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

36) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

37) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

38) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

39) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

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46) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

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48) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

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54) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

55) Set up values through key 8 direction key and move the cursor through , and press key 7 to save the setup and return to the previous menu; or press key 6 to give up and return to the previous menu;

56) Roll to "Timezone" through key 8 direction key and press key 7 to enter;

57) Set up values through key 8 direction key and move the cursor through <img

