

Digital clock manual install

1. The clock component parameter table

| Note | label | type | parameters |
|------|------------------------|--------------|--|
| R1 | resistor | 10K | Regardless of the polarity |
| R2 | resistor | 10K | Regardless of the polarity |
| R3 | resistor | 10K | Regardless of the polarity |
| R14 | thermistor NTC | | Regardless of the polarity |
| R15 | Light sensor | | Regardless of the polarity |
| S1 | light touch button | SW | (by screen printing layer) |
| S2 | light touch button | SW | (by screen printing layer) |
| BT1 | Battery buckle | 3v | Battery buckle(by screen printing layer) |
| C1 | non-polar capacitors | 104 0.1uf | Regardless of the polarity |
| C2 | non-polar capacitors | 104 0.1uf | Regardless of the polarity |
| C3 | non-polar capacitors | 104 0.1uf | Regardless of the polarity |
| C4 | non-polar capacitors | 104 0.1uf | Regardless of the polarity |
| C5 | non-polar capacitors | 104 0.1uf | Regardless of the polarity |
| C6 | non-polar capacitors | 22P | Regardless of the polarity |
| C7 | non-polar capacitors | 22P | Regardless of the polarity |
| C8 | capacitors | 100UF | (by screen printing layer) |
| Q9 | BJY | S8550 (2TY) | (by screen printing layer) |
| LS1 | Buzzer | 5v | Buzzer(by screen printing layer) |
| JK1 | DC POWER | | DC POWER(by screen printing layer) |
| U5 | microcontroller | STC15F2K16S2 | (by screen printing layer) |
| U4 | Real time clock DS1302 | DS1302 | (by screen printing layer) |
| Y1 | crystals | 32768 | Regardless of the polarity |

2. The welding installation considerations, follow these steps:

1. The components are welded on the back of the board (include good resistance capacitance microcontroller silk-screen printing side), from low to high principle, namely the first low welding components, such as crystals, capacitor, resistance, battery holder.
2. The pins with diagonal cutting pliers cut short (this step is very important) as far as possible, avoid to resist digital tube affect beautiful.
3. Welding digital tube, digital tube must pay attention to the final, or placed on the back of the device can't welding.

3. Debugging steps:

At the same time hold the S1 S2 on electricity, after about 20 seconds, Release the two keys at the same time, the clock display 7:59, reset successfully

4. Adjust the time step:

Every time adjustment need to press SET key to 8 times separately in different Settings, press SET button to return to normal 9 walking;

Adjust time: press the SET key, once when a flashing, press the ADD key adjustment;

Adjust the minutes: press the SET key, once again and a flashing, press the ADD the whole;

Adjust the alarm time: press the SET key, once again and the alarm when the flashing, press the ADD key changes when the alarm clock;

Adjust the alarm minutes: press the SET key, once again and the alarm points flashing, press the ADD button to modify the alarm clock;

SET the alarm clock on and off, press the SET key, once again when the alarm clock, alarm clock points are not flashing, press the ADD button at the bottom left little light (alarm clock), and then click the ADD button at the bottom right point out (the alarm clock off);

Adjust the time to point to: press the SET key, once again and at the hour start time flashing, press the add key to modify the hour start time is the morning (such as transferred to 6, 6 PM hour). Press the SET key again, the hour to stop time flashing, press the ADD key adjustment (such as transferred to 20, is reported after 8 p.m. hour, does not affect sleep).

Set to on and off the hour; Press the SET key, once again and at the hour start time, the top of the hour to stop time is not flashing, press the ADD button, the lower right corner little light (open) the hour, and then press the ADD button, the lower right corner point out the customs declaration (the hour)

Press the SET key, once again and from normal walking

