Instruction

Function Introduction

- **8-bit LED display**
- **Clock Function:** Displays hours and minutes; can convert between 12/24 hour systems.
- **Date Function:** Displays "month", "day", and "year" (from 2000 to 2099).
- **Alarm Clock Function:** Set daily alarms.
- **Temperature Measurement Function:** Displays Fahrenheit or Celsius, switchable. Normal range: 0°C to 50°C (32°F to 122°F).
- **Mode Selection:** Use the UP key to switch between dP-1, dP-2, and dP-3 modes.
- **Power Saving:** Use the DOWN button to toggle the power-saving function (ON displays "oNSd", OFF displays "--Sd").
- **Voice Control Function:** When power-saving is enabled, clap hands or make a loud noise to activate the LED display.
- **Power Failure Protection:** When unplugged, the LED display turns off, and button presses are ineffective.
- **Working Voltage:** 5.0V, AC/DC power supply; backup battery available (3.0V).
- **Buttons:** All buttons have a voice feature.
- **IC Working Temperature:** 0°C - 50°C.
- **LED Full Screen Display:** HA: AH meeB

Key Standard

Uses three buttons and voice control: SET, UP, DOWN.

Basic Operation

1. **Initial Setup:**

   - Connect the external power supply, then insert the backup battery. The LED display will rapidly change from 00000000 to 99999999, then show "di", and enter normal clock mode (default system AM 12:00), displaying the temperature.
   - Alternatively, connect the battery first, then the external power supply. The clock will show "di" and enter normal clock mode (default 12-hour AM 12:00) with temperature display.

2. **Mode Selection:**

- In normal clock mode, press the SET key to cycle through: Clock mode -> Date mode -> Alarm 1 -> Alarm 2 -> Alarm 3 -> Clock mode.

3. **Setting Values:**

   - In any mode (except temperature), long press the SET key for about 2 seconds to enter setting state. Use the UP/DOWN keys to adjust values. Holding the UP/DOWN keys will increment/decrement values rapidly.

4. **Mode Conversion:**

   - In clock or date mode, press the UP key to switch between dP-1, dP-2, and dP-3 modes:
     - **dP-1:** Cycles through time, date, and temperature every 10 seconds, 2 seconds, and then returns to time mode.
     - **dP-2:** Displays time, switches to the chosen mode, and remains in that mode.
     - **dP-3:** Displays time, returns to the chosen mode after 15 seconds, then reverts to time mode.

5. **Power Saving:**

   - Press the DOWN button (when not setting or in alarm state) to toggle power-saving mode.
   - When power-saving is enabled, the LED display turns off after 30 seconds of no button activity.

6. **Temperature Display:**

   - Press and hold the DOWN button for 2 seconds to switch between Celsius and Fahrenheit.

7. **Voice Control:**

   - When power-saving is enabled, clap hands or make a loud noise to activate the LED display.

Detailed Instructions

1. **Normal Time Mode:**

- o Connect the external power supply, then insert the backup battery. The LED display will change rapidly, then enter normal clock mode with a default time of 12:00 (12-hour format).
- o In normal clock mode, press the SET key to cycle through the modes.
- o Long press the SET key for 2 seconds to set the time. Use UP/DOWN keys to adjust:
    - 12/24 hour conversion -> hour -> minute -> exit -> 12/24 hour conversion
    - The PM indicator will light up for 24-hour mode.
    - Set range: hours 1-12 or 0-23, minutes 00-59.
    - If no button is pressed for 15 seconds, the setting mode will exit.
    - In normal time mode, the LED display will turn off after 30 seconds of no button activity (if power-saving is enabled), but the clock will keep time.

2. **Date Mode:**

- o In normal time mode, press the SET button to enter date mode. The default date is January 1, 2013.
- o Long press the SET key for 2 seconds to set the date. Use UP/DOWN keys to adjust:
    - Year -> month -> day -> exit -> year
    - Set range: month 1-12, day 1-31, year 2000-2099.
    - If no button is pressed for 15 seconds, the setting mode will exit.
    - In power-saving mode, the LED display will turn off after 30 seconds of no button activity, but the system will keep time.

3. **Alarm Options:**

- o In normal time mode, press the SET key twice to enter alarm modes (Alarm 1, Alarm 2, Alarm 3).