

# YT60165 Product specification

Latest rev:00

File NO.: PS-YT60165

Issue date: 2018-10-29

Model NO: YT60165 and R39

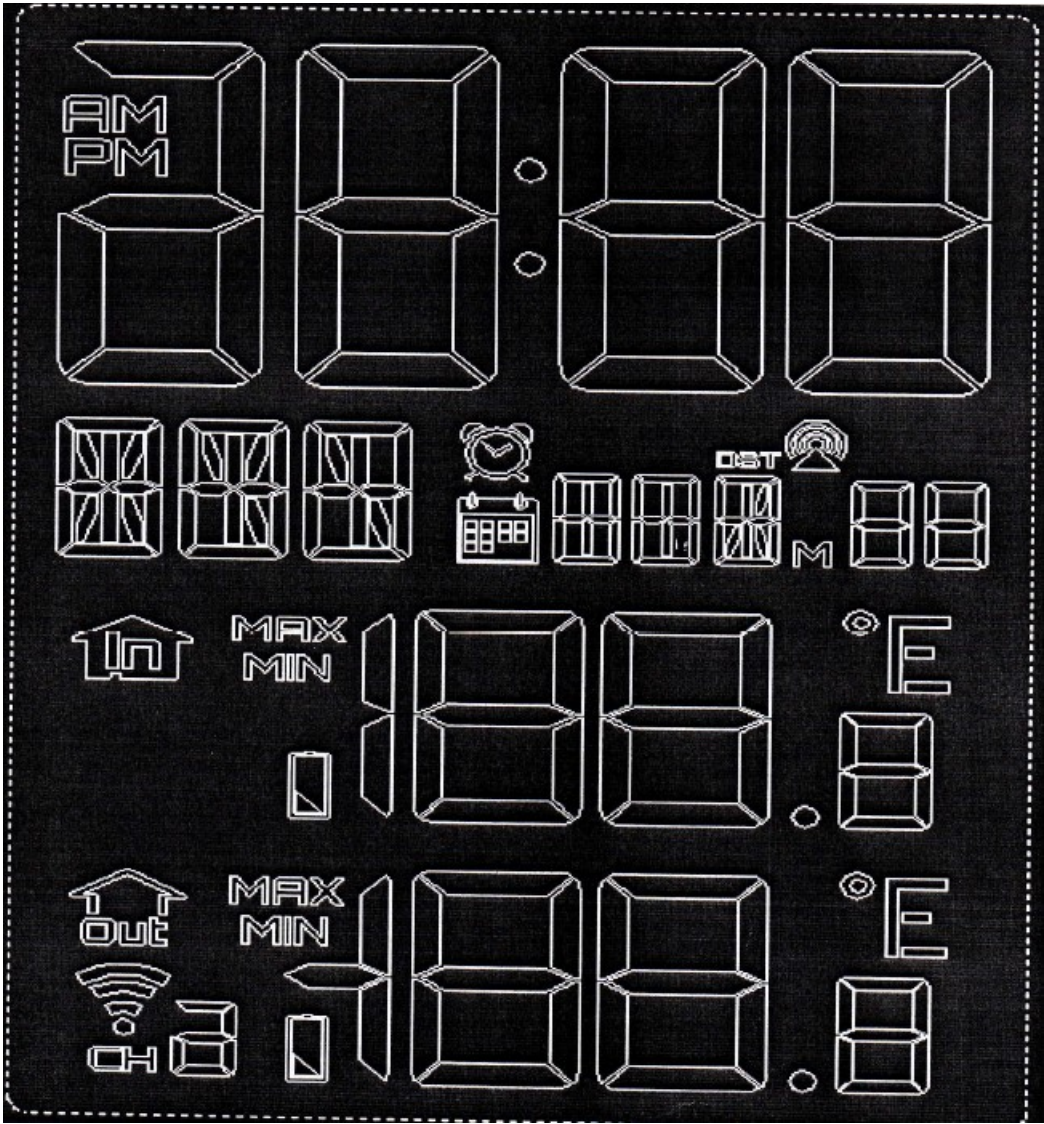
CUSTOMER MODEL NO:

PRODUCT DESCRIPTION: Digital Thermometer Hygrometer

REV	content	date
00	First rev	2018-10-29

Product picture:

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	<b>1、 Main Features:</b> <ul style="list-style-type: none"> <li>➤ Six Button: SET/CH, ALARM, UP/MEM, DOWN/RCC, NAP, SNZ/LIGHT</li> <li>➤ Time display</li> <li>➤ Calendar</li> <li>➤ 12/24 hours system</li> <li>➤ Symbol Radio Control RCC:DCF</li> <li>➤ DST</li> <li>➤ indoor temperature+ outdoor temperature</li> <li>➤ Support 5 Language of display: English、 German, French, Spanish, Italian</li> <li>➤ Temperature in ° C / ° F</li> <li>➤ Indoor temperature (-9 ° C / 16 ° F ~ +70 ° C / 158 ° F)</li> <li>➤ Outdoor temperature (-20 ° C / -4 ° F ~ +70 ° C / 158 ° F)</li> <li>➤ Humidity(1%~99%)</li> <li>➤ Single Alarm</li> <li>➤ Snooze function, setting range 5~120 minutes</li> <li>➤ Nap function, setting range 5~120 minutes</li> <li>➤ LED Backlight ( can set 4 level by press SNOOZE )</li> <li>➤ Low current detection ( powered on batteries )</li> <li>➤ AC power detection</li> <li>➤ Quiescent Current: 80&lt;uA</li> </ul>
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## 2、 Button function:

function operation		SET/CH	DOWN/ RCC	U/ MEM	SNZ/LIGHT	NAP	ALARM
Standard mode	Single press	Check and Choose CH	Check Alarm Time	Enter Menu	Enter Snooze、 Light backlight,Choose level	Enter NAP counter	Turn on/off Alarm
	Hold press	Enter timing set	Turn on/off RCC	ClearMEM /choose unit	Delete /enter RF	NAP setting	Alarm setting
Timing setting	Single press	ok	Decrease single step	Add single step	-----	-----	-----
	Hold press	-----	Decrease 8 step/s	Add single 8 step/s	-----	-----	-----
Alarm setting	Single press	-----	Decrease single step	Add single step	-----	-----	ok
	Hold press	-----	Decrease 8 step/s	Add single 8 step/s	-----	-----	-----

### 3. Power on & reset:

- Insert the battery; the LCD is fully displayed for 3 seconds, while the BI enters into the standard mode, and the backlight is on for 5 seconds.
- Default Display:

Time: 12:00 AM  
Date: 2017.JAN.01 SUN  
ALARM: 6:30 AM OFF
- NAP time: 10minutes

### 4. Timing setting:

- In the standard mode, press the “SET” button for 2 seconds to enter the time setting, and the set unit will flash at 1HZ frequency.
- Then press “set”button step by step:
- language→BEEP ON/OFF→Time zone →12/24HR →hour→ minute→year →month→day→temperature→SNZ time→Exit
- During the setting process, press “UP” button once to set the value plus 1; long press to set the value to increase at 8 steps/second.
- During the setting process, press the “DOWN” button to decrease the value by 1; long press to decrease the value at 8 steps/second.
- Setting is completed, single-press “SET” button or 20 seconds without pressing any button to exit setting mode
- In the setting mode, press the “SNZ/LIGHT” button to exit the setting mode directly.
- When BEEP (key tone) is set, press “UP” or “DOWN” to select ON/OFF
- SNZ time setting range: 5~120 minutes, one unit every 5 minutes, default 10 minutes
- time zone setting range: -12 ~ +12

### 5. Alarming setting

- In the standard mode, press the “ALARM” button to view the AL alarm time.
- When viewing the time, press the “ALARM” button to turn the alarm on or off.
- In the standard mode, press the “ALARM” button for 1 second to enter the alarm setting, and the set item will flash at 1HZ frequency.
- Press the “ALARM” button to set the order: hour→ minute→ exit
- During the setting process, press “UP” button once to set the value plus 1; long press to set the value to increase at 8 steps/second.
- During the setting process, press the “DOWN” button to decrease the value by 1; long press to decrease the value at 8 steps/second.
- Setting is completed, single-press “ALARM” button or 20 seconds without pressing any button to exit setting mode
- In the setting mode, press the “SNZ/LIGHT” button to exit the setting

mode directly.

- The alarm that has been set will be automatically turned ON.

## **6. Alarm clock mode**

- Alarm time: 2 minutes
- The buzzer format is as follows:
- 0-10 seconds: one second per second
- 10-20 seconds: BI BI per second
- 20-30 seconds: BI BI BI BI per second
- Continuous BI sound after 30 seconds
- When the alarm is ringing, press the “SNZ/LIGHT” button to enter the 10-minute snooze function.
- In addition to the SNZ button, press any button to stop the alarm or snooze, whether it is ringing or snoozing.

## **7. Snooze function**

- In standard mode, press the “NAP” button to enter the nap time and start counting down.
- In the standard mode, press the “NAP” button for 1 second to enter the nap setting, and the set item will flash at 1HZ frequency.
- In the setting process, press “UP” button once, set the value plus 5; long press to set the value to increase at 8 steps/second.
- In the setting process, press “DOWN” button once to set the value minus 5; long press to set the value to decrease at 8 steps/second.
- nap time setting range: 5~120 minutes, one unit every 5 minutes, default 10 minutes
- The way to sound is the same as the alarm

## **8. Temperature and humidity function**

- Indoor temperature detection range: 16~158° F (-9.0~70.0° C)
- The indoor temperature is less than 16° F and the display is 16° F, and greater than 158° F is 158° F.
- Outdoor temperature detection range: -4F to 158° F (-20.0 to 70.0° C)
- Temperature is less than -4F ° F shows -4F ° F, greater than 158 ° F shows 158 ° F
- Temperature resolution: 1 ° C / 1 ° F
- Humidity resolution: 1%
- Detection period: 30 seconds
- Temperature SENSOR: 49.12K (B=3979K)

## **9. RCC reception:**

- RCC reception conditions:
- Automatically receive RCC after 3 minutes after power on or reset
- Press the “DOWN/ RCC” button to force the RCC to receive

- Automatically receive every day
- RCC reception time 7 minutes
- RCC's automatic receiving time is: 1:00, 2:00, 3:00, each time fixed reception, if received at 3 o'clock, the day will not receive, if not received at 3 o'clock, 4:00 , 5:00 will be replenished, no matter whether it is received at 5:00, the day will not receive
- RCC receiving graphics
- When entering RCC reception, the tower part of the RCC mark flashes at 1HZ frequency
- RC When the received signal is successful, the RCC receive flag will be fully displayed and will exit the receive state.
- During the receiving process, the long “DOWN/ RCC” button will exit the RCC receiving state for 2 seconds.
- If the receiving signal fails on the same day, the next receiving time is 1 o'clock in the next day (0 time zone)
- When receiving the RCC, when the alarm is encountered, the RCC will exit and be transferred to the alarm.
- When the DST signal is received, the DST mark of the LCD will be displayed.
- RC When the RCC symbol is displayed, the RCC symbol will be turned off after resetting the time.

#### **10. RF reception:**

- After loading the battery, after detecting the temperature and humidity, it will automatically enter the RF reception for 3 minutes, and the display will be “--.” flashing.
- RF reception is synchronously received according to the transmitter, 1 second in advance, 1 second delay
- RF will not be received later if it is not received in registration mode (reset and long press “CHANNEL” button)
- Press and hold the “SNZ/LIGHT” button for 2 seconds in the standard mode to clear the current display value and re-register the data.
- Transmitter synchronization period is CH1=57S; CH2=67S; CH3=79S
- RF If the signal of the same ID is not received within one hour, the temperature data will flash, the ID will not be cleared, and the RF will be open for 3 minutes. If the signal is not received within 3 minutes, the next hour will be opened for another 3 minutes. Continued
- The channel that has been lost: the temperature and humidity display will flash once every 3 seconds

#### **11. Power on battery:**

- In the standard mode, press the “SNZ/LIGHT” button to backlight for 5 seconds, no button sound
- In the standard mode, press any key to backlight for 5 seconds, and when

there is function, there is button sound

## **12. Power on AC:**

- In the standard mode, the backlight is long and bright, press “SNZ/LIGHT” to switch the order: light and dark
- When the backlight is off, press any key to backlight for 5 seconds. When there is function, there is button sound.

## **13. Low voltage function**

- Low voltage indication: IC internal detection, low voltage symbol when battery voltage is lower than 2.5V, low voltage is not detected when using AC power supply

## **FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **FCC Radiation Exposure Statement**

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.