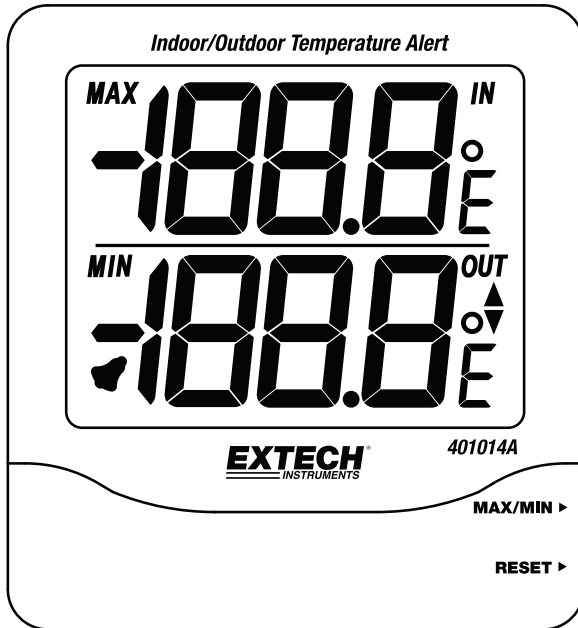# Indoor/Outdoor Temperature Alert

Model 401014A

Additional User Manual Translations available at www.extech.com

Introduction

Congratulations on your purchase of the 401014A Indoor/Outdoor Temperature Alert. This thermometer simultaneously displays indoor temperatures (internal sensor) and outdoor temperatures (integrated external weatherproof sensor). The 401014A has a MAX/MIN recording utility and a user programmable high and low alarm for outdoor temperature monitoring. We ship this meter fully tested and calibrated and, with proper use, it will provide years of reliable service. Please visit our website (www.extech.com) for additional information including the latest version of this User Manual and Customer Support.
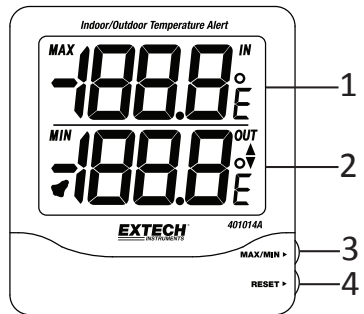
Features

- Large, easy-to-read LCD
- Indoor and outdoor temperature displays
- User programmable high/low audible alarm for outdoor temperature monitoring
- Memory recording for MAX/MIN readings with reset button
- Water resistant/splash proof sensor for outdoor temperature measurements
- Includes tilt-stand, mounting bracket, battery, and 3m (9.6 ft.) thin cable for easy installation of external sensor
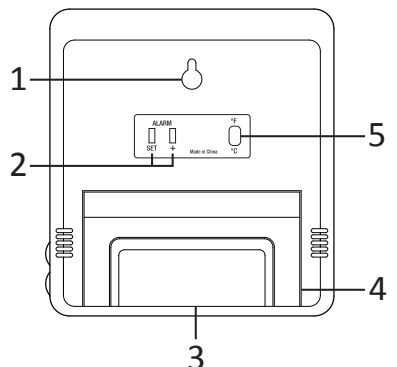
Meter Description

Front Description

1. Indoor temperature display
2. Outdoor temperature display
3. MAX/MIN recording button
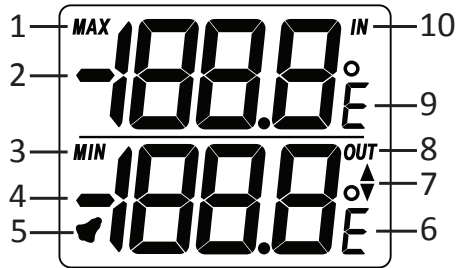4. Reset button to clear MAX/MIN readings

Back Description

1. Mounting bracket
2. Alarm adjustments (SET and '+')
3. Battery compartment cover
4. Tilt stand
5. Temperature units select switch

LCD Description

1. Maximum display icon
2. Indoor temperature reading
3. Minimum display icon
4. Outdoor temperature reading
5. Alarm ON/OFF icon
6. Outdoor temperature units (F/C) icon
7. Alarm setpoint programming icons (up arrow for high alarm setpoint and down arrow for low alarm setpoint)
8. Outdoor temperature icon
9. Indoor temperature units (F/C) icon
10. Indoor temperature icon

Operation

1. Remove the battery safety strip from the battery compartment to power the meter. See the Maintenance section for battery replacement instructions.
2. Remove the protective adhesive cover from the LCD display.
3. Select the temperature units (C/F) using the temperature switch on the back of the meter.
4. Position the meter in the desired indoor area and run the external temperature probe to outside area of interest.
5. The upper display indicates indoor temperature. The lower display, outdoor temperature.

MAX/MIN Readings

1. This meter displays the maximum and minimum readings stored over time. To record and view the readings:
    a. Press the MAX/MIN button. The display shows the highest and lowest indoor temperatures measured since the RESET button was last pressed. The MAX and MIN icons appear next to their respective readings.
    b. Press the MAX/MIN button again. The display shows the highest and lowest outdoor temperatures measured since the RESET button was last pressed. The MAX and MIN icons appear next to their respective readings.
    c. Press the MAX/MIN button again to return to normal operation, the MAX and MIN icons will switch off.
2. To clear the MAX/MIN readings, short press the RESET button while in the MAX/MIN mode. When reset, the MAX/MIN readings will show dashes and the meter will begin recording new MAX/MIN readings. You can erase indoor and outdoor MAX/MIN memories independently.

Audible High/Low Alarm (outdoor temperature only)

1. Long press the **SET** button (back of meter) to access the high alarm setup mode. The lower digits will flash and the up arrow icon will appear.
2. Short press the **<+>** button to change the high alarm limit* (long press to scroll faster).
3. Short press the **SET** button to access the low alarm setup mode. The lower digits will flash and the down arrow icon will appear.
4. Short press the **<+>** button to change the low alarm limit* (long press to scroll faster).
5. Short press the **SET** button to return to the normal operating mode*.
6. Short press the **<+>** button (back of meter) to activate/deactivate the outdoor temperature alarm. The alarm bell icon will appear on the LCD when the alarm is active.
7. When the measured outdoor temperature reaches the high or low temperature limit, the buzzer will sound for one (1) minute. Press the MAX/MIN or RESET button to silence the buzzer before the 1-minute interval elapses.
8. After an alarm has been silenced either by button-press or 1-minute time-out, you have to press the **<+>** button to switch off the alarm bell icon and then press the **<+>** button again to re-enable the alarm, otherwise the alarm will be disabled even though the alarm bell icon is displayed.

*Notes:
- The alarm is adjustable in increments of 1.0°C and 1.8°F.
- If no buttons are pressed for approximately 7 seconds while programming the high and low alarm limits, the meter will automatically return to the normal operating mode.

Maintenance

Battery Replacement

Replace the 1.5V 'AAA' battery located in the rear compartment as explained below.

1. Open the rear battery compartment by pushing the battery compartment cover downward, as indicated by the arrow.
2. Remove the old battery and replace with new battery observing correct polarity.
3. Close the compartment cover before use.

Safety: Please dispose of batteries responsibly, never dispose of batteries in a fire, batteries may explode or leak. When storing the meter for 60 days or more, remove the battery and store separately.

Never dispose of used batteries or rechargeable batteries in household waste. As consumers, users are legally required to take used batteries to appropriate collection sites, the retail store where the batteries were purchased, or wherever batteries are sold.

Disposal: Do not dispose of this instrument in household waste. The user is obligated to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment.

Cleaning

Wipe the meter housing with a soft, damp cloth as needed. Use a mild detergent if necessary but do not use solvents or abrasives, as these can damage the meter housing and display area.

Specifications

Display	LCD, 25mm (1") digit height
Range	Indoor (internal sensor): -10.0 to 60.0°C (14.0 to 140.0°F) Outdoor (external sensor): -50.0 to 70.0°C (-58.0 to 158.0°F)
Accuracy	±1.0°C (1.8°F) from 0.0 to 50.0°C (32.0 to 122.0°F) ±2.0°C (3.6°F) from -50.0 to 0.0°C (-58.0 to 32.0°F) and 50.0 to 70.0°C (122.0 to 158.0°F)
Battery	One (1) 'AAA' 1.5 V battery
Cable	Outdoor temperature sensor cable length: 3m (9.6 ft.)
Dimensions	112 x 102 x 22mm (4.4 x 4.0 x 0.9")
Weight	186g (6.5 oz.)