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BSEED ST-01

BSEED WiFi Smart Thermostat ST-01 Instruction Manual

MODEL: ST-01

Brand: BSEED

PRODUCT OVERVIEW AND KEY FEATURES

The BSEED WiFi Smart Thermostat ST-01 offers advanced climate control for your home, combining energy efficiency with smart technology. It features a user-friendly touch screen interface and remote control capabilities.

- Flexible Programming & Energy Efficiency:** This WiFi-enabled thermostat includes a 7-day programmable timeline and automatic Home/Away settings. It intelligently adjusts room temperatures to ensure comfort while reducing HVAC energy consumption.
- Digital Control Interface:** The intuitive digital control panel allows for easy temperature and setting adjustments. Features include WiFi auto-reconnection, child safety lock, fan adjustment, weather updates, and air filter change alerts.
- Remote and Voice Control:** Manage and monitor your thermostat from anywhere using the Tuya App. It integrates seamlessly with Alexa and Google Home for convenient hands-free voice control.
- Easy Installation:** Detailed step-by-step online guides and video tutorials facilitate installation in 20 minutes or less. Compatible with most home HVAC systems, a C-wire adapter is included.
- Package Contents:** The package includes the thermostat unit, C-wire adapter, instruction manual, screws, certificate of conformity, and wire labeling stickers.

SETUP AND INSTALLATION

Before beginning installation, ensure the power to your HVAC system is turned off at the circuit breaker to prevent electrical hazards.

- Review Existing Wiring:** Carefully remove your old thermostat's faceplate. Take a clear photo of the wiring connections for reference. Label each wire with the provided stickers according to its terminal.
- Mounting the Backplate:** Secure the new thermostat's backplate to the wall using the provided screws. Ensure it is level for proper aesthetic and functional alignment.

3. **Wiring Connections:** Connect the wires from your HVAC system to the corresponding terminals on the new thermostat's backplate. If your system lacks a C-wire, use the included C-wire adapter as detailed in the installation manual. The C-wire is essential for powering the smart thermostat.
4. **Attach Thermostat Faceplate:** Once wiring is complete and secure, attach the BSEED Smart Thermostat faceplate to the mounted backplate.
5. **Restore Power:** Turn the power back on to your HVAC system at the circuit breaker.
6. **Initial Setup:** Follow the on-screen prompts on the thermostat to complete the initial setup, including connecting to your home's Wi-Fi network.

For visual guidance, refer to the detailed step-by-step online guides and video tutorials provided by BSEED.



Image: Diagram illustrating the connection of the C-wire converter to the heat pump control main unit circuit and the C-wire terminal of the thermostat. This is crucial for providing power to the thermostat if an existing C-wire is not present.

OPERATING INSTRUCTIONS

The BSEED Smart Thermostat offers multiple ways to control your home's climate.

Using the Digital Touch Screen

- **Temperature Adjustment:** Use the intuitive digital control panel to set your desired temperature.

- **System Mode:** Select between Cool, Heat, or Off modes. The thermostat can also operate in an automatic system mode, switching between cooling and heating ranges without manual intervention.
- **Fan Mode:** Adjust fan settings to On, Auto, or Circulate.
- **Child Safety Lock:** Activate the child safety lock feature to prevent unauthorized changes to settings.
- **Information Display:** The screen displays current indoor/outdoor temperature, humidity, time, and weather updates.

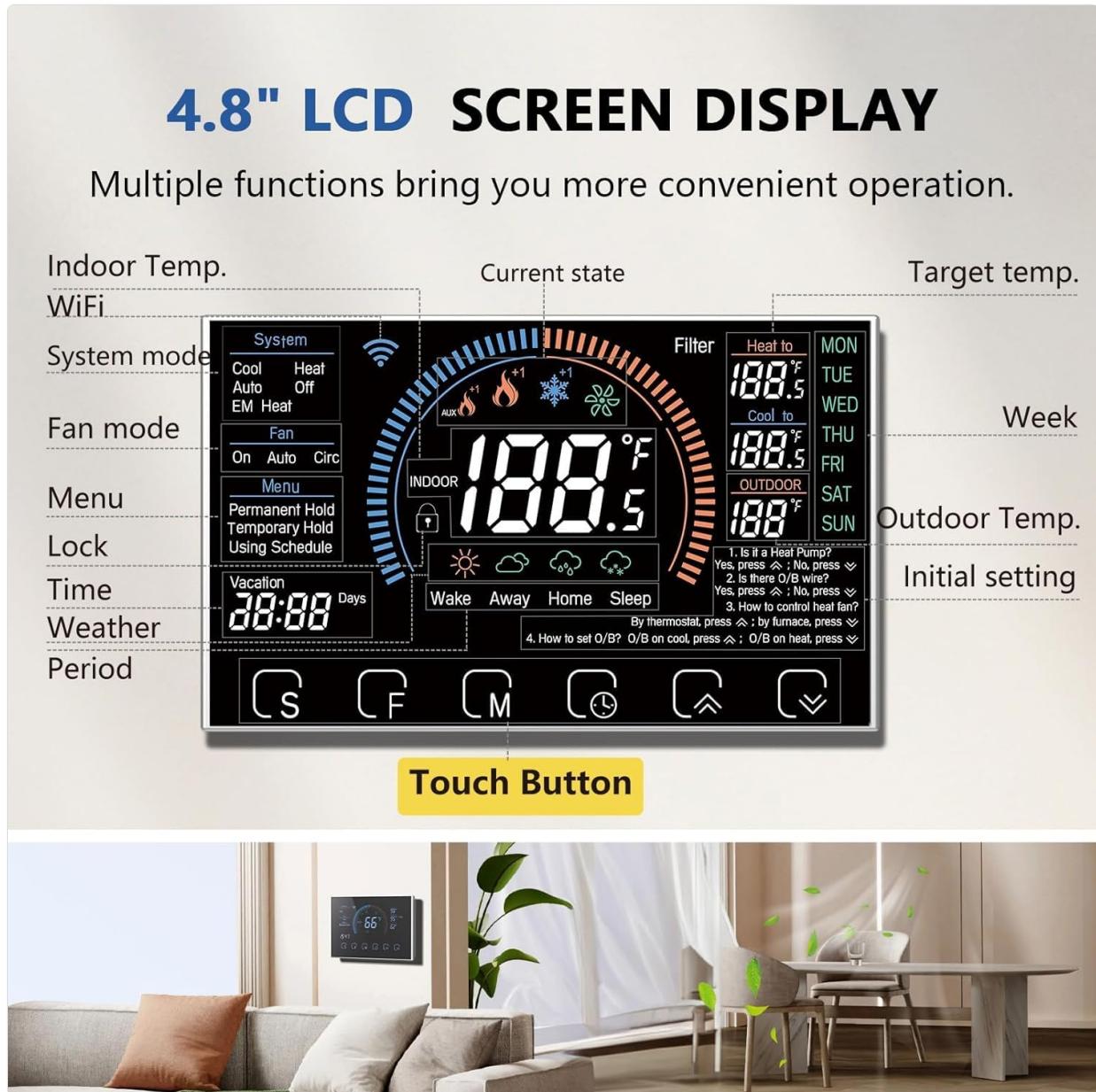


Image: A close-up of the 4.8-inch LCD screen display of the BSEED Smart Thermostat, highlighting various functions like indoor/outdoor temperature, system mode, fan mode, menu, time, weather, and touch buttons for navigation.

Remote Control via Tuya App

Download the Tuya App on your smartphone to manage and monitor your thermostat from anywhere.

- **Remote Temperature Control:** Adjust settings, change modes, and monitor temperatures remotely.
- **7-Day Programmable Timeline:** Set custom schedules for heating and cooling throughout the week.
- **Holiday Mode:** Utilize the Holiday Mode setting to adjust temperatures for extended periods when you are away, optimizing energy savings.
- **Auto Home/Away Settings:** The app supports automatic adjustments based on your presence.

APP/VOICE CONTROL

Can achieve third - party voice control and APP remote temperature control

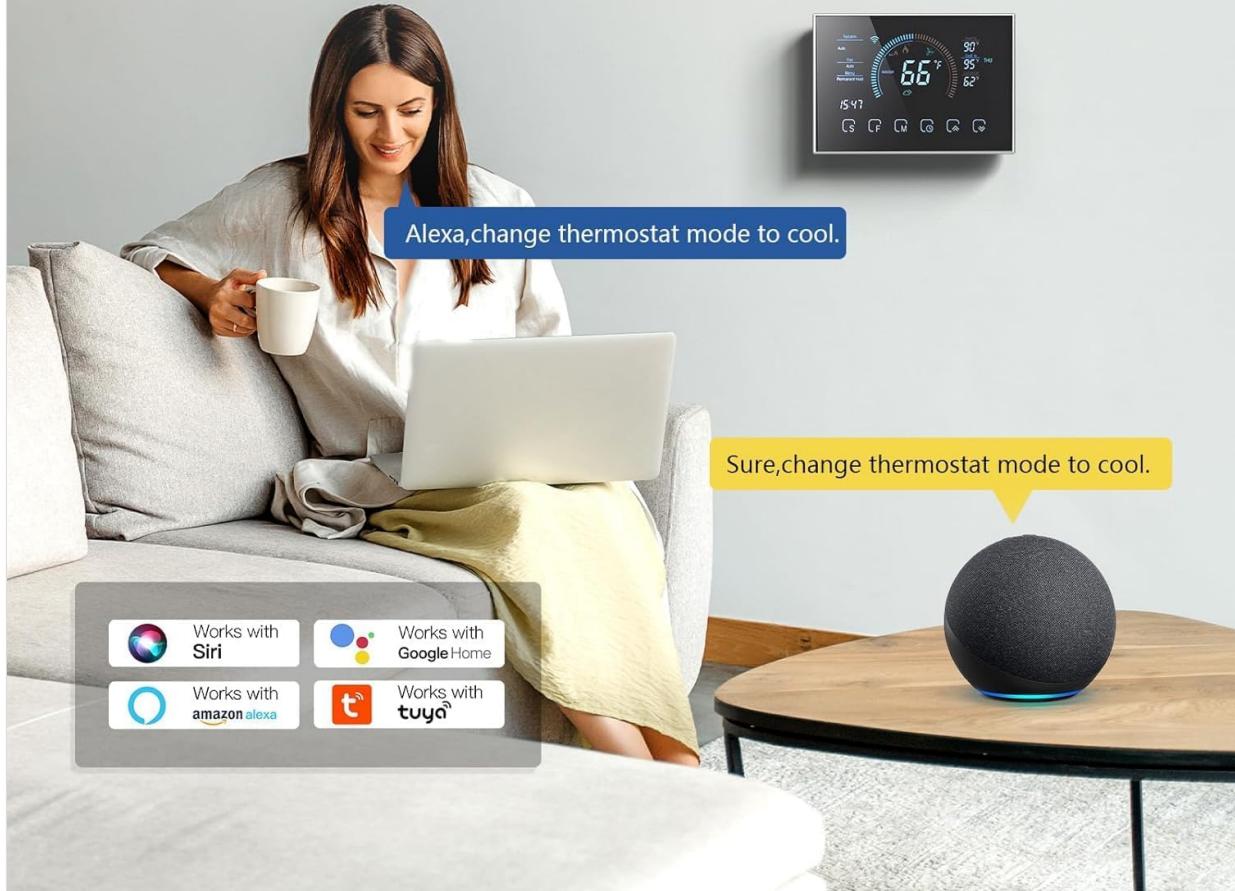


Image: A person interacting with the Tuya App on a smartphone to control the BSEED Smart Thermostat, with an Amazon Alexa device nearby, illustrating remote and voice control capabilities.

Voice Control Integration

The thermostat works seamlessly with popular voice assistants.

- **Alexa & Google Home:** Connect your thermostat to Alexa or Google Home devices for convenient hands-free voice commands.
- **Siri:** The thermostat is also compatible with Siri for voice control.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your BSEED Smart Thermostat.

- **Air Filter Change Alerts:** The thermostat will provide alerts when it's time to change your air filter, helping to maintain HVAC system efficiency and air quality.
- **Screen Cleaning:** Gently wipe the touch screen with a soft, dry cloth. Avoid abrasive cleaners or harsh chemicals.

TROUBLESHOOTING

If you encounter issues with your thermostat, try the following basic troubleshooting steps:

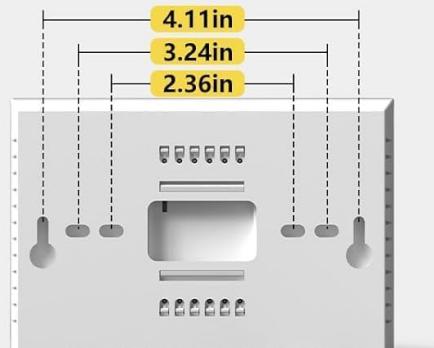
- **No Power/Screen Off:** Check the circuit breaker for your HVAC system. Ensure the C-wire or C-wire adapter is correctly installed and providing power.
- **Wi-Fi Disconnection:** Verify your home Wi-Fi network is active. Attempt to reconnect the thermostat via the Wi-Fi setup menu in the settings or through the Tuya App.
- **Incorrect Temperature Readings:** Ensure the thermostat is not exposed to direct sunlight or drafts, which can affect sensor accuracy.
- **System Not Responding:** Check all wiring connections for looseness or corrosion. Ensure the system mode (Heat/Cool/Off) is correctly selected.
- **App Connectivity Issues:** Ensure your smartphone has an active internet connection and the Tuya App is updated to the latest version.

For further assistance, please contact BSEED customer support.

SPECIFICATIONS

Detailed technical specifications for the BSEED WiFi Smart Thermostat ST-01.

SIZE AND PARAMETER INFO



Screen Size: 4.8"

Visible Wall Thickness: 2cm

Surrounding Heat Dissipation Holes: 54

Voltage: 24VDC/AC + 10%

Current: 1A (for inductive relays); 3A (for resistive relays)

Sensor: NTC3950, 10K

Set Temperature Range: 41 - 95°F (5 - 35°C)

Ambient Temperature: 32 - 113°F (0 - 45°C)

Ambient Humidity: 5 - 95%RH (non - condensing)

Storage Temperature: 23 - 113°F (-5 - 45°C)

Time Error: <1%

Power: <1.5W

Shell Material: PC + ABS (anti - resistance)

Installation Method 1: Wall - mounted

Installation Method 2: Hole Spacing 86±3mm

Protection Grade: IP20

Key Type: Capacitive Touch Keys

PARAMETER

Image: A diagram showing the dimensions and technical parameters of the BSEED Smart Thermostat, including screen size, voltage, current, sensor type, temperature ranges, and installation details.

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Shell Material	PC + ABS (anti-resistance)
Installation Method	Wall-mounted
Installation Hole Spacing	86±3mm
Protection Grade	IP20
Key Type	Capacitive Touch Keys

SUPPORT

For any inquiries or technical assistance regarding your BSEED WiFi Smart Thermostat, please do not hesitate to contact us at any time. Our support team is ready to help.