CLIMATE CLASS

WIRELESS TEMPERATURE CLAMPS

WIRELESS
CONNECTIVITY &
EASY-TO-USE

ACCESS THE APP THROUGH JB GO

OPERATING MANUAL

Introduction

Thank you for purchasing a JB Industries' Wireless Temperature Clamp. This device is capable of accurately measuring temperatures of pipes and tubing commonly used in the HVACR industry. These clamps display the temperature readings on an easy-to-view OLED screen. They work alone or wirelessly send information to a JB Industries' DM4-W Wireless Digital Manifold, an IOS smart device, or an Android smart device through the JB GO App.

Specifications

Temperature Range	-40 to 302 °F* (-40° to 150°C)
Accuracy	±2.3°F (± -16.5°C), -4 to 185°F (-20° to 85°C)
Resolution	0.1 °F (-18°C)
Sensor Type	Thermistor
Temperature Units	Fahrenheit, Celsius
Pipe Diameter Range	¼" – 2" (6.4 – 51mm)
Power Supply	2 x AA batteries (included)
Bluetooth® Range	Up to 350ft (92m) - Dependent on environment
Battery Life	Approximately 120 hours
Operating Temperature	+32°F to 122°F (0°C to +50°C)
Storage Temperature	+14°F to 140°F (-10°C to +60°C)
Humidity	85% RH @113°F (45°C), non-condensing
Display	OLED
Unit Weight	6.5 oz
Compatibility	Min iOS Version: 10.0+, Min Android Version: 6.0+
IP Rating	Designed to meet IP-54
Battery Life Indicator	Yes
Warranty	1 year

*Actual temperature range is higher, dependent on material used for clamps—some thermocouples and thermistors can withstand and measure higher temperatures which could melt the plastic clamp.

The Climate Class Wireless Temperature clamps includes interchangeable blue and red color bands for Suction Side and Liquid Side

General Safety

Use caution when taking temperature measurements. Pipes, tubes, and other components of HVACR equipment can be very hot (or very cold). Skin can easily be burned or frostbitten if these components are touched. Use adequate personal protective equipment when servicing these systems.

Features

- Measures pipe temperatures in HVACR systems; Thermistor sensor for accurate temperature measurements
- Bright OLED screen displays information (does not require an iOS or Android app); includes battery life indicator
- 2 button interface and intuitive menu offers easy setting adjustments
- Over-molded parts for increased grip and durability

PART NO.	DESCRIPTION
WC-1	Individual Wireless Temperature Clamp (1)
WC-2	Set of Wireless Temperature Clamps in case (2)

Install App on Smart Device:

To install the **JB GO** app, scan the QR code (right) or search the App Store/ Google Play for **JB GO**.

The **JB GO** App from JB Industries is designed to make working on-site with JB wireless and digital products accurate, fast and efficient. JB wireless and digital products have been designed to help technicians and contractors collect data, log and get accurate readouts while on-site. Our app is compatible with our Bluetooth wireless products.

Operating Instructions

Installing Batteries

Power Clamp On/Off

1. Press **POWER** button to turn on
2. Press and hold **POWER** button to turn off

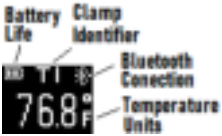
Navigating the Menu

1. Press **ENTER** button to enter the menu
2. Press **POWER** button to cycle through the options
3. Press **ENTER** button to select the highlighted option

Screen Icons/Definitions

Retrieving the Version/Revision/Lot #, Serial #

1. Press **POWER** button to turn on
2. Read the information displayed on the screen (Displayed at start-up for approximately 4 seconds)



Assigning the Clamp identifier (“T” number)

T1 should be used for Suction Line (Low Side) and T2 should be used for the Liquid Line (High Side).

1. Press **ENTER** button to enter the menu
2. Press **POWER** button to cycle to “Clamp #”
3. Press **ENTER** button
4. Cycle through the numbers and press **ENTER** button when the desired number is highlighted
5. The clamp will restart and the new clamp identifier number will be used

Colored Bands

The Blue band should be used for the “T1” clamp. The Red band should be used for the “T2” clamp. Colored bands can be changed out for easy identification. Simply pull off the band and replace it with the desired color.

Changing Temperature Units

1. Press **ENTER** button to enter the menu
2. Press **POWER** button to cycle to “Units,” and then press **ENTER** button to select continue
3. Press **POWER** button to cycle through the units and press **ENTER** button to select the units

Adjust/Reset the Temperature

1. Press **ENTER** button to enter the menu
2. Press **POWER** button to cycle to “Temp. Cal.” and press **ENTER** button to adjust temperature or reset to factory calibration

To Adjust: Press **POWER** button to cycle to “Adjust” and press **ENTER** button. Follow prompts to manually set the temperature to the desired value.

To Reset to factory defaults: Press **POWER** button to cycle to “Reset” and press **ENTER** button.

Using the Clamp on a System

1. Press Power to turn on the clamp
2. Secure the clamp to the copper line in the proper area where the temperature is to be measured

Using the Clamp with iOS/Android App

1. Visit the Apple Store/Play Store on your device
2. Search for JB Industries and find the proper app
3. Install the app:

   – Press **POWER** button to turn on the clamp
   – Start the app on your device and follow the app-specific instructions.

Using the Clamp with the JB Industries DM4-W Digital Manifolds

Mechanical information

- The JB Industries DM4-W Digital manifold will work with 2 temperature clamps (wired or wireless)
- Wired K-Type clamps are prioritized if they are plugged into the DM4-W
- The wireless clamps can be used in-place of the wired K-Type clamps

Connecting the Wireless Clamp to the DM4-W

(See DM4-W manual for more information)

Example: How to connect the T1 “blue” clamp. Remove the wired K-Type connector (if applicable).

If the clamp has not been paired to the DM4-W yet:

1. Turn on the DM4-W and the wireless clamp (on startup, note the last 4 digits of the clamp Serial Number)

   The wireless clamp OLED should show a blinking Bluetooth Connection symbol

2. Press the **ENTER** button on the DM4-W to enter the menu

3. Highlight “Bluetooth Device” and press the **ENTER** button
4. Wait until the “Wait…” text disappears
5. Look on the right side for available devices (There is a “Paired Devices” list on the left side that will populate when wireless devices are paired with the DM4-W)
6. Highlight the T1 device that you want to connect from the “Available Devices” and press the **ENTER** button and press the **POWER** button to “Add T1”
7. Repeat these steps to connect the T2 “red” clamp
8. Press the **ZERO** button to return to the home screen
9. The clamp should pair with the DM4-W and the clamp OLED screen should show a solid Bluetooth Connection symbol. The DM4-W screen should show the temperature and the last 4 digits of the connected wireless clamp serial number under the T1.

If the clamp has already been paired to the DM4-W:

1. Turn on the DM4-W and the wireless clamp. The wireless clamp should automatically connect to the DM4-W, and the Bluetooth Connection symbol should remain solid.

NOTE: If a K-Type clamp is plugged into the DM4-W, the K-Type values will take priority. The DM4-W screen will show K-Type under the T#.

Deleting the clamps from the DM4-W

1. Press the **ENTER** button on the DM4-W to enter the menu
2. Highlight “Bluetooth Device” and press the **ENTER** button
3. Wait until the “Wait…” text disappears
4. Look on the right side for available devices (There is a “Paired Devices” list on the left side that will populate when wireless devices are paired with the DM4-W.)
5. Highlight the T1 device that you want to remove from the “Available Devices” and press the **ENTER** button. Then press the **POWER** button to “Remove T1”
6. Press the **ZERO** button to return to the home screen
7. The wireless clamp is now unpaired from the DM4-W

   The Bluetooth Connection symbol on the clamp OLED screen will start flashing to indicate if it is not paired

RETURN FOR REPAIR

Every effort has been made to provide reliable, superior quality products. However, in the event your instrument requires repair, please contact JB Customer Service Department to obtain a Return Goods Authorization (RGA) number. Ensure that all returned products are packed to avoid any damage in shipment. Paperwork should be placed in a separate plastic bag and should include JB's assigned RGA number, a description of the problem and any customer assigned repair or purchase order number, if applicable.

Contact Customer Service for RGA number:

800.323.0811 Toll-free
800.552.5593 Toll-free Fax

Products should be shipped with freight prepaid to:

JB Industries
RGA#_____
601 N. Farnsworth Ave., Aurora, IL 60505

Warranty

Climate Class Wireless Temperature Clamps are warrantied against defects in materials and workmanship for 1 year from date of purchase. JB products are guaranteed when used in accordance with our guidelines and recommendations. Warranty is limited to the repair, replacement, or credit at invoice price, (our option) of products which in our opinion are defective due to workmanship and/or materials. In no case will we allow charges for labor, expense or consequential damage. Repairs performed on items out of warranty will be invoiced on a nominal basis; contact wholesaler for details. Additional product information available online at www.jbind.com.

WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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