

LIMITED WARRANTY

BlackMAX Wireless Temperature Clamps are covered by a CPS Products, Inc. LIMITED WARRANTY. CPS Products, Inc. warrants, to the original purchaser, that its BlackMAX line of wireless temperature clamps and accessories are free from defects in assembly, materials and workmanship for 1 year from the date of purchase, or 15 months from the date of manufacture, whichever is sooner. If any BlackMAX product is believed to be defective it must be returned to CPS Products. If the product is found to be defective, CPS will repair or replace the item(s), at our option, at no charge.

This warranty does not apply to products or accessories that have been altered, misused, submerged, exposed to extreme heat or cold, lightning strikes, or electrical voltage exceeding published product specifications. This warranty also does not apply to products that are simply in need of routine field service maintenance.

To assure your BlackMAX purchase is on file with CPS Products, please fill in a Product Registration form and mail to CPS within 15 days from the date of purchase, along with a copy of the original sales receipt. Return of the registration form is not required to be covered by the Limited Product Warranty. To process a warranty claim, please contact CPS USA at 1-800-277-3808 or CPS Products N.V. (Belgium) at (32) 3 281 30 40; or CPS Australia at 08 8340 7055, within 15 days of discovering defects in assembly, materials, or workmanship. CPS will provide a return authorization number (RGA #). Do not attempt to repair BlackMAX products. CPS has the sole right to determine if a claim is valid and if compensation is justified.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. TO THE EXTENT ALLOWED BY LAW, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THE LIMITED PRODUCT WARRANTY. IN NO CASE SHALL CPS PRODUCTS INC. HAVE ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING BUT NOT LIMITED TO: THE LOSS OF THE USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF ANY SUBSTITUTED EQUIPMENT, FACILITIES OR SERVICES, DOWNTIME, THE CLAIMS OF THIRD PARTIES, DAMAGE TO PROPERTY OR PERSONAL INJURY. SOME JURISDICTIONS DO NOT ALLOW LIMITS ON WARRANTIES OR ON REMEDIES FOR BREACH IN CERTAIN TRANSACTIONS. IN SUCH JURISDICTIONS, THE LIMITS IN THIS PARAGRAPH MAY NOT APPLY. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION.

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WIRELESS TEMPERATURE CLAMP

For use with CPSLinkPro App on android or iOS mobile devices.
Also for use with BlackMAX Wireless Digital Manifolds 200 series or later (sold separately).
US Patent No. 9,043,161



OPERATOR'S MANUAL (English)

BTM200

OVERVIEW


The BlackMAX BTM200 Wireless Temperature Clamps is a great way to upgrade a BlackMAX Wireless Digital Manifold, but it can also be used as a stand-alone tool with the CPSLinkPro App. The BTM200 brings fast, cordless temperature measurement to the job for instant system insight. With Line-Assign™ Technology, the clamps automatically identify suction-line (SLT) and liquid-line (LLT) temperatures using intuitive blue/red LED indicators once paired—eliminating rubber bands, guesswork and swapped lines. High-precision NTC thermistor technology delivers best-in-class accuracy ($\pm 1^{\circ}\text{F}$ with 0.1°F resolution), while firm-grip jaws fit pipe diameters up to 1-1/2 inches and a premium rubber overmold keeps handling secure in real-world conditions.

For an enhanced experience, download the CPSLinkPro™ App to your mobile device via the Apple App Store or get it on Google Play. To make a wireless connection, make sure wireless mode is activated on your mobile device.



Recommendation: Wirelessly connect the BTM200 to the CPSLinkPro in order to download the latest firmware 'over the air'. The firmware details outlined in this manual may slightly differ from the latest firmware on the device.

GETTING STARTED

1. Remove the Phillips-head screw and the door on the battery compartment.
2. Install two AAA batteries.
3. Push the  button to turn on the device.
4. Wirelessly connect to a BlackMAX Wireless Digital Manifold or a mobile device via CPSLinkPro).

CONTROLS AND FEATURES

Power On: Press the (power icon) button once (LED will display solid green during start-up).

Discovery Mode: When searching for a wireless connection, the LED will flash, alternating between red and blue.

Operating Mode: Once the clamp makes a wireless connection to CPSLinkPro or a wireless digital manifold, it uses Line-Assign™ Technology to make the LED flash blue for SLT(low) or red for LLT(high). SLT(low)/LLT(high) assignment can be managed in the settings of CPSLinkPro or a Wireless Digital Manifold. Once an SLT(low)/LLT(high) assignment is made, the BTM200 remembers this assignment for the next time it is used.

Low Power Mode: If your batteries reach 10% of power capacity, the red or blue LED that flashes during operating mode will display two rapid flashes of light instead of one long flash of light. All functions of the wireless temperature clamp will continue to operate normally in Low Power mode, but this signals the recommendation to replace the batteries soon.

Auto-Power-Off: If the BTM200 is in Discovery mode and NOT connected to another device, it will automatically shut down after 30 minutes. The time length of this auto-power-off feature can be adjusted/disabled on the CPSLinkPro App.

SPECIFICATIONS

Sensor	NTC Thermistor
Temperature Measurement Range	-40°F to 302°F (-40°C to 150°C)
Temperature Accuracy	$\pm 1^{\circ}\text{F}$ at 77°F ($\pm 0.5^{\circ}\text{C}$ at 25°C)
Resolution	0.1°F (0.1°C)
Power	2 – AAA batteries
Auto Power Off	30 minutes without wireless connection (length can be adjusted/disabled)
Pipe Diameter Range	1/4in to 1-1/2in (6mm to 38mm)
Wireless Range	Up to 325 ft (100m)
Water/Dust Resistance	Designed to IP54
Operating Temperature	14°F to 122°F (-10°C to 50°C)
Storage Temperature	4°F to 140°F (-20°C to 60°C)
Limited Warranty	1 year

CERTIFICATION



Contains FCC ID 2AGPMHJ-180IMH

FCC 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.

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.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.