



**-Blue Display Digital Controller-
INSTRUCTION MANUAL**

INDEX

DISCLAIMER AND WARRANTY	2
WHAT'S IN THE BOX?	3
TECHNICAL DATA	3
KNOWING YOUR COOLBOT.....	4
HOW DOES THE COOLBOT WORK WITH YOUR A/C?.....	5
BEFORE INSTALLING YOUR COOLBOT	6
INSTALLING YOUR COOLBOT	7
CONNECTING YOUR COOLBOT TO YOUR AIR CONDITIONER	7
CHANGING SETTINGS ON THE COOLBOT.....	10
ROOM TEMPERATURE SETTING.....	10
FINS SETTING.....	10
HEATER DELAY SETTING.....	10
SWITCHING BETWEEN FAHRENHEIT AND CELSIUS.....	11
REBOOTING YOUR COOLBOT	11
ERROR CODES ON YOUR COOLBOT	11
“Er” FLASHES ON MY COOLBOT DISPLAY.....	11
“Ef” FLASHES ON MY COOLBOT DISPLAY.....	12
“EH” FLASHES ON THE COOLBOT DISPLAY.....	12
“EE” FLASHING ON THE COOLBOT DISPLAY	13
REBOOTING THE COOLBOT.....	13
CHECKS ON YOUR COOLBOT.....	14
MY HEATER DOES NOT SEEM TO BE WORKING.....	14
TEMPERATURE SENSORS CALIBRATION TEST	14
THE COOLBOT HAS NO LIGHTS AND NO DISPLAY.....	14
CHECKS ON YOUR A/C UNIT.....	14
DIRTY FINS.....	14
PROPER INSTALLATION AND SETTINGS	15
DOUBLE YOUR WARRANTY!.....	15

DISCLAIMER AND WARRANTY

DISCLAIMER

By using the CoolBot temperature controller, you (the “User”) acknowledge there are inherent hazards in getting an air-conditioner (“A/C”) to do something it was not originally designed to do, and that these inherent hazards cannot be ameliorated, mitigated or obviated while still maintaining the essential functionality of the CoolBot. User accepts all responsibility in the use of and monitoring of the CoolBot and A/C. User assumes all risk of loss of property or product due to improper functioning of the CoolBot (or A/C). User assumes all risk of injury and warrants that he/she will defend, indemnify and hold the seller harmless for any direct or consequential harm or damage that may result from the use of this product. Users that don’t accept this responsibility must return the CoolBot for a FULL REFUND before use.

LIMITED WARRANTY: The CoolBot is warranted against defects for 1 year, not including damage due to misuse or accidents. To double the warranty on your CoolBot see page 15 for details.

HAPPY CUSTOMER GUARANTEE: Return the CoolBot in its original condition within 45 days if you are not fully satisfied for a full refund (shipping not included). **Credit only given if you email us at support@storeitcold.com or call 888-871-5723 before shipping.**

WHAT'S IN THE BOX?

°CoolBot Controller



Temperature Sensors



Heater Cable



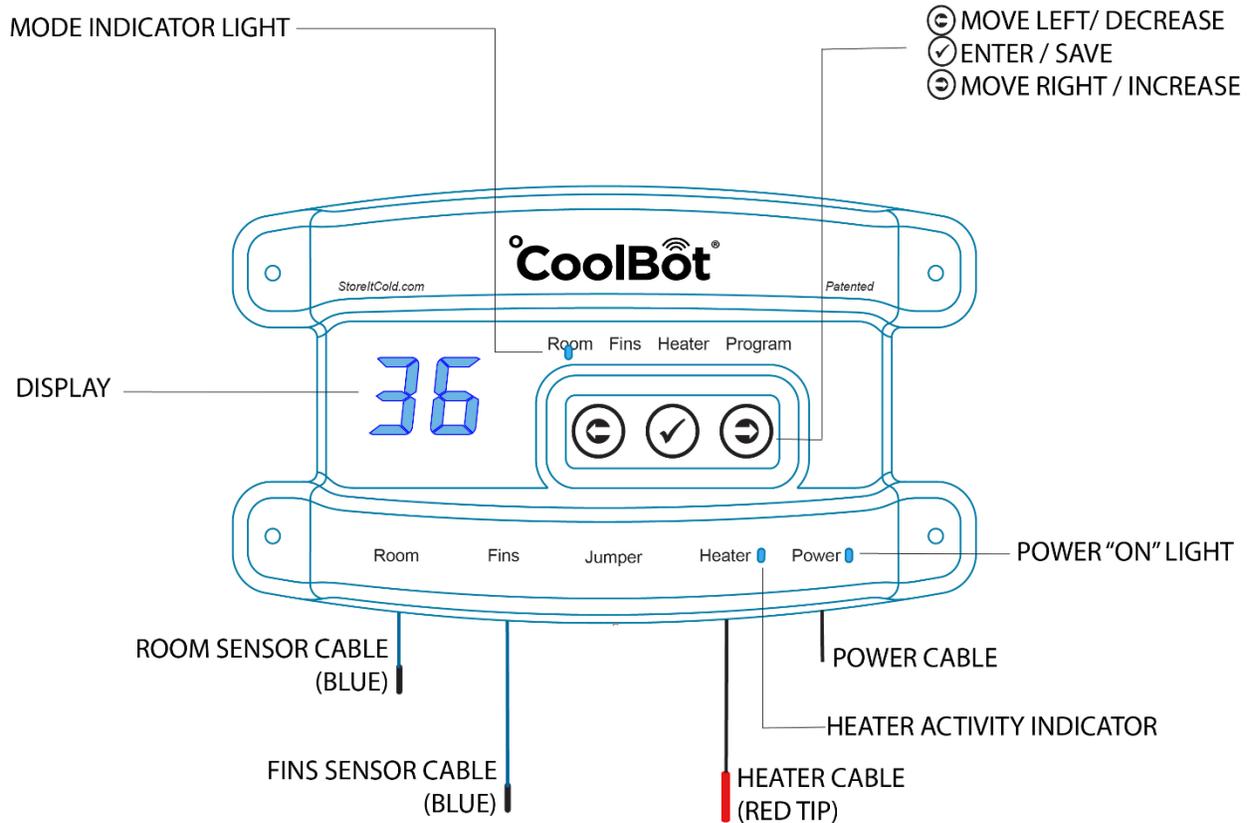
Power Supply

- (1) **CoolBot** - Patented Digital Temperature Controller
- (2) **Temperature Sensors** - Sensor Cables (**Blue**) with external 2.5mm jack connector
- (1) **Heater Cable** - CoolBot Heater Cable (**Red Tip**) with external 2.5mm jack connector
- (1) **Power Supply** - Mini-USB port connector cable. **Input:** 110V-240V / **Output:** 5V, 1Amp
- (1) **CoolBot Quick Start Set Up Guide** - 3 pages

TECHNICAL DATA

Classification	Temperature Regulating and Indicating Equipment	UL File Number	E500290
Rated	5V DC, SELV, <15W, Class 2	Action Type	Type 1
Purpose	Operating Control	Software Class	Class A
Control Construction	Independently Mounted for Surface Mounting	Pollution Degree	2
Power Supply	For use with Pihong PSAC05A-050L6 power supply	Rated Impulse Voltage	330V
Dimensions	6"L x 3.4"W x 1.1"D	Sensor & Heater Cable	36"
SKU Number	K6-OXNB-ULUU	Net Weight	8.1 oz

KNOWING YOUR COOLBOT



DISPLAY:

The display changes depending on which Mode Indicator Light is illuminated.

MODE INDICATOR LIGHT:

Shows which mode you are currently using.

Change modes by pressing the left or right arrow keys.

Room Mode: While in **normal operation**, the display shows the current room temperature and the Room Mode Indicator Light is solid (no blinking).

Fins Mode: From the Room Mode, press the right arrow once to access the Fins Mode. The light above "Fins" will turn on solid (no blinking). The display will show the current fins' (A/C's coil) temperature.

Heater Mode: From the Room Mode, press the right arrow twice to access the Heater Mode. The light above "Heater" will turn on solid (no blinking). The display will show an "F" for Fahrenheit or a "C" for Celsius.

Program Mode: From the Room Mode, press the right arrow 3 times to access the Program Mode. The light above "Program" will turn on solid (no blinking). The display will show a number (e.g. 7.9), which will be the firmware version on your CoolBot Pro.

POWER INDICATOR LIGHT: This light is constantly on (solid), as long as your CoolBot Pro is plugged in and getting the correct power supply (110V-230V).

HEATER ACTIVITY INDICATOR: When the CoolBot Pro is "calling for cooling" this light will **blink slowly**. It will stop blinking if the room temperature has reached the "set point" or the fins are reaching the defrost set point.

INPUT TOUCH KEYS

CHECKMARK KEY: Press to enter the setup menu, save values, and exit each particular mode.

RIGHT ARROW KEY: Press to move the Mode indicator light in between modes from left to right.

LEFT ARROW KEY: Press to move the Mode indicator light in between modes from right to left.

ROOM AND FIN SENSOR CABLES: These two cables **are interchangeable**. They monitor the room temperature and the temperature of the fins on the A/C unit.

HEATER CABLE: This cable (red tip) heats up the A/C's temperature sensor when cooling is needed.

POWER CORD: This standard Mini USB cable brings power to your CoolBot and the Jumper.

JUMPER: This connection is not necessary for the CoolBot to work with your air conditioner. The jumper port (on the blue CoolBot ONLY) enables your CoolBot to be connected to a Wi-Fi network using ONLY an optional radio module "Jumper" (NOT INCLUDED) and a Data Cable (NOT INCLUDED). *Have questions? Please contact us at: support@storeitcold.com*

If you are using the optional JUMPER (NOT INCLUDED) and Data Cable (NOT INCLUDED) with your CoolBot, please read the **CoolBot Pro Instruction Manual** instead.
www.storeitcold.com/support-library

HOW DOES THE COOLBOT WORK WITH YOUR A/C?

The CoolBot uses 2 temperature sensors (ROOM and FINS), the HEATER cable (red tip) and a programmed micro-controller to direct your air conditioner to operate in such a way as to cool the room to a set temperature in between 33°F/0.5°C and 65°F/18°C without freezing up.

How does it do this?

The HEATER cable (red tip) is keeping your A/C's temperature sensor warm to make the A/C "think" it is warmer than the actual room temperature. By doing this, the compressor on your A/C keeps running and cools down the space.

The ROOM and the FINS sensors tell the CoolBot when to turn off the HEATER cable. This will happen when:

- The room temperature reaches the set value. The HEATER will stop and your A/C's temperature sensor will cool down and shut the compressor off. *Note: The fan of the A/C should keep running.*
- The fins of your A/C reach the defrost set point (33°F factory default). The HEATER will stop and your A/C's temperature sensor will cool down and shut the compressor off to allow for a defrost cycle. This can happen even if the room has not reached its set point. *Note: The fan of the A/C should keep running.*

A **slowly blinking Heater Activity Light** is completely normal during operation. It indicates that the CoolBot is "Calling for Cooling" and the HEATER cable is keeping warm.

The defrost cycle does not use heat;
The A/C is defrosted by turning your compressor off and circulating air over the frosted coil.

BEFORE INSTALLING YOUR COOLBOT

- **Should I read this manual?** Yes! We highly recommend reading this Manual entirely to ensure proper installation and to familiarize yourself with your new CoolBot. We also encourage you to visit our library section at www.storeitcold.com/support-library to ensure you have the latest version of this Manual.
- **JUMPER Port:** This connection is not necessary for the CoolBot to work with your air conditioner. The jumper port (on the blue CoolBot ONLY) enables your CoolBot to be connected to a Wi-Fi network using ONLY an optional radio module “Jumper” (NOT INCLUDED) and a Data Cable (NOT INCLUDED). *Have questions? Please contact us at: support@storeitcold.com*
- **I have a Mini Split A/C!** Please visit our library at www.storeitcold.com/support-library for a detailed Installation Guide on compatible Mini-Split air conditioners and follow along this Manual.

Please go through the following checklist before installing your CoolBot:

- The A/C Unit:**
 - Has digital display only and has Automatic Restart.
 - Is properly sized in BTUs and it is a recommended model. To check A/C compatibility visit: www.storeitcold.com/support-library
- The A/C is installed:**
 - High up on the cooler wall.
 - On a short wall if it is a rectangular room.
 - Tipped backwards (at least 1 inch) and level from side to side to allow for proper draining.
- The Room:**
 - Ceiling and walls are insulated to R25 using Rigid Foam or Spray Foam (**NO fiberglass batt insulation!**).
 - Seams, corners, door and around the A/C gaskets are tightly sealed.
 - Is airtight. When I close the door of my room (standing inside), I see no light through any cracks.
 - Floor is insulated if it's a mobile cooler, trailer, container, raised floor, or if trying to cool below 38°F/3°C).

What Is Temperature Hysteresis?

You may see that the **air temperature** in your cooler behaves like a “**wave**” that goes up and down around your set point. This is completely normal for any refrigeration system. **Hysteresis** is the difference in the On and Off temperatures of your cooler as it cycles.

On a perfect scenario, as soon as the refrigeration system reaches the set point (e.g. 38°F) it would turn off immediately, warm up a bit (e.g. 38.01°F), and then turn on again, and at 38°F it would turn off again. The end result would be something that is continually turning on and off. This constant starting and stopping would wear the refrigeration system out and it would fail in a short period of time.

Hysteresis is not only normal but necessary to avoid this frequent On and Off cycling. Hysteresis is dependent of many factors including calibration of equipment, response time of temperature probes, CoolBot settings, etc.

The hysteresis value on a CoolBot cooler that has been designed following our recommendations and with a controller set to factory settings is normally around +/- 2°F from the set point.

Hysteresis in your cooler may be of a higher value and that is not a bad thing. Just adjust your set temperature so that the high and low values stay within acceptable ranges for your product. Remember that the sensors of the CoolBot are very sensitive to air changes, and the fact that the air temperature changes rapidly at a given point, doesn't mean that your product is changing temperature at the same rate.

Your product has significantly more mass than the CoolBot sensors and it will take a much longer time to gain temperature when exposed to higher air temperatures.

If you were to measure your product temperature you would see that it remains essentially constant while the air temperature in your cooler fluctuates up and down.

INSTALLING YOUR COOLBOT

Watch our CoolBot Installation Video at www.storeitcold.com/support

CONNECTING YOUR COOLBOT TO YOUR AIR CONDITIONER

See installation diagram on page 9.

ATTENTION!

We understand how important this investment is for you, and we understand the value behind the product that you will store in your cooler. We highly recommend that you read your A/C and CoolBot installation manual, follow the setup guide step by step, and familiarize yourself with the use and troubleshooting of the CoolBot as well as your A/C unit.

After installing your CoolBot, we strongly advise you to run your cooler for a test period (at least 24 hours) and place some buckets of water or non-perishables to add mass. This is to assure the system is performing correctly and to your needs.

If you are installing your CoolBot to a **Mini Split air conditioner system** please use this step by step guide along with our **Mini Split Installation Guide** available at our **library** at: www.storeitcold.com/support-library

- STEP 1** Plug the cables into the corresponding labeled ports at the bottom of the CoolBot. Plug the cables in and out a couple times as sometimes they don't always "seat" all the way the first time. If you are replacing an existing CoolBot with removable Temperature Sensors and Heater Cables, you can leave them in place and connect them to the CoolBot.
The CoolBot works with both black and blue Temperature Sensor Cables.
The Room Sensor should hang free in the room.
- STEP 2** Mount the CoolBot on the wall next to the control panel side of the A/C to make it easier to connect the cables.
CAUTION! Make sure the wall fasteners are smaller in diameter than the hole in the CoolBot tabs or you will break the plastic tabs.
- STEP 3** **Remove the air filter from the front of the A/C unit. DO NOT use it!**
The filters drastically reduce cooling power and increase your chances of icing up.
Clean your fins two times a month.
Remove the front plastic grill of the A/C if you can.
Some A/C units have a "fresh air vent" tab. This allows some mix of outside air inside the room. If applicable, make sure it is closed.

STEP 4 Find and free your A/C's Temperature Sensor. It's the only thing attached to the front fins/grill of your air conditioner.

On Mini Split air conditioning units this sensor is often not in front of the fins of the indoor unit. It may be tucked into a plastic cover underneath or to the side of the unit. For pictures and examples of Mini Split installations please visit our library section at: www.storeitcold.com/support-library

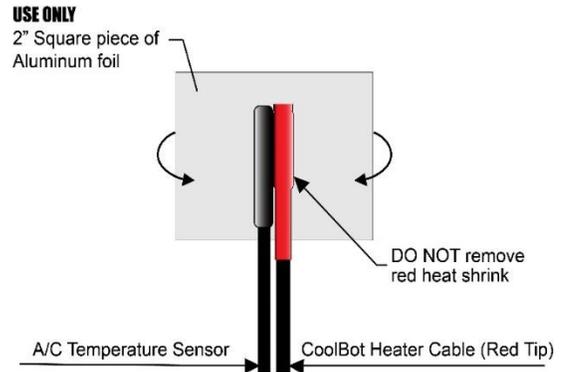
If your A/C has a clip built into the sensor to hold the sensor in the fins, remove the sensor from the clip and free it enough to reach the side of the A/C - **DO NOT use the plastic mounting clip for this installation!**

STEP 5 Using ONLY a 2" square piece of regular Aluminum foil, place the CoolBot Heater Cable (red tip) next to the A/C's Temperature Sensor (from STEP 4).

Keep together next to each other, pointing in the same direction, and wrap them tightly with the foil into a bundle.

Make sure the bundle does NOT hang in front of the A/C fins or hangs directly in front of the air flow of the air conditioner – It should hang free, to the side or below the A/C not touching anything cold or metal.

You can put a wire tie or zip tie around the 2 cables (1 inch before the foil bundle) to keep the cables from getting pulled apart.



STEP 6

IMPORTANT!

If your A/C has a **Secondary Sensor**, IT MUST BE UNPLUGGED.

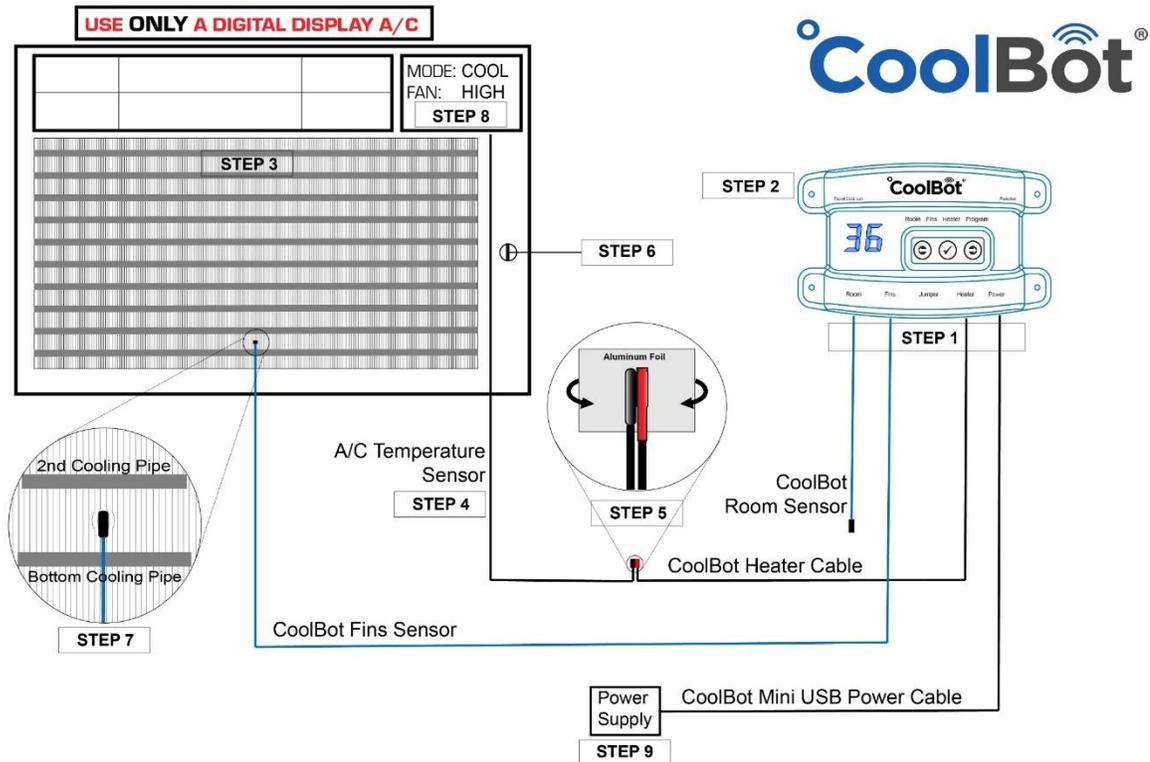
- Window **LG** (except dual Inverter models) and **HAIER** units **DO NOT** have Secondary Sensors (skip to STEP 7).
- Most **GE, Danby, Frigidaire, Arctic King, etc.** A/C units over 10K BTUs **have a Secondary Sensor**.
- **Most "Mini-Split"** air conditioners have Secondary Sensors. See Mini Split Installation Guide

Use just 1 layer of electrical tape to **attach the end of the Secondary Sensor to the OUTSIDE of the aluminum foil connection from STEP 5.** See picture below.

For videos, guide and pictures on how to locate the secondary sensor go to: <https://www.storeitcold.com/support>



- STEP 7** Use a pen/pencil to open a small gap in the fins about **1" from the bottom** and **near the center** (horizontally), between the bottom and second horizontal cooling pipes. Take the cable sensor coming from the CoolBot port labeled "Fins" and gently insert just 1/4 inch (0.7 cm) of the TIP into the small gap.
DO NOT force the sensor in, you'll damage it.
Do not touch a coolant pipe with the Fins Sensor.
 You want to be between the bottom 2 horizontal cooling pipes.
 Pinch the fins lightly around the sensor to keep it in place.
- STEP 8** Turn your Air Conditioner ON. Set the A/C on "**COOL**" Mode and set the Fan on "**HIGH**" speed. Set the A/C temperature to the lowest setting. *If your A/C has a separate Economy Mode make sure is OFF. The Fan should run continuously!*
- STEP 9** **Plug in your CoolBot power supply.** To set the temperature on your CoolBot, press the checkmark button – the current set temperature will blink. Use the right or left arrows to set the temperature to the desired value. Press the checkmark to save the value.



CHANGING SETTINGS ON THE COOLBOT

The CoolBot will **always remember** all your **last settings** even if it has been unplugged for a long time.

ROOM TEMPERATURE SETTING

This setting is the average temperature you want to maintain in your cooler.

NOTE: The factory default temperature is set at 42°F/5.6°C.

To set a new value for the Room temperature:

- Make sure the Mode Indicator Light is in the Room position (**Room Mode**).
- Press the checkmark ✓ button. The “set-temperature” will blink on the display.
- Use the arrow buttons to increase or decrease the temperature.
- Press the checkmark ✓ button to program (save) your new setting into memory.
- The display will go back to Room Mode showing the current room temperature.

FINS SETTING

This setting adjusts the initiate-defrost temperature to prevent freeze ups.

NOTE: The factory default setting is “1.”

Adjust this setting ONLY if you are experiencing icing problems.

A **higher** setting is more “**conservative.**” Some users need to bump it up to “3” or “4” to keep from icing up.

95% of CoolBot installations work well with setting values shown in the GREEN zone.

FIN SETTING	0	1	2	3	4	5	6	7	8	9
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To adjust the Fins setting:

- Press the right arrow until the Mode Indicator Light is in the Fins position (**Fins Mode**).
- Press the checkmark ✓ button. The current Fins setting will blink on the Display.
- Press the left/right arrow to lower/raise the setting value.
- Press the ✓ button again to save your new setting into memory.
- The display will go back to the Fins Mode and after 20 seconds of inactivity it will go back to the Room Mode.

HEATER DELAY SETTING

This setting allows you to increase or decrease the defrost cycle time.

NOTE: The factory default Heater Delay setting is “d1”

If you are experiencing ice ups and the problem has not been solved by increasing your Fins setting, then raise your Heater Delay setting to increase the time of the defrost cycles.

95% of CoolBot installations work well with settings in the GREEN zone.

HEATER SETTING	d0	d1	d2	d3	d4	d5	d6	d7	d8
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To change the Heater Delay setting:

- Press the right arrow until the Mode Indicator Light is in the Heater position (**Heater Mode**).
- Press the checkmark ✓ button 3 times. The current Heater Delay setting will blink on the display.
- Press the right/left arrow to increase/decrease the value of the setting.
- Press the checkmark ✓ button to save your new setting into memory.
- The display will go back to the Heater Mode and after 20 seconds of inactivity, it will go back to the Room Mode.

SWITCHING BETWEEN FAHRENHEIT AND CELSIUS

This setting allows you to switch your CoolBot from displaying °F to °C

NOTE: The factory default temperature scale is in °F

To change the scale of the temperature display:

- Press the right arrow until the Mode Indicator Light is in the Program position (**Program Mode**).
- Press the checkmark ✓ button 5 times. You'll see a blinking "P1".
- Press the right arrow once or until you see "P2" blinking on the display.
- Press the checkmark ✓ button once to enter the "P2" menu. You'll see an "°F" blinking.
- Press the right arrow once or until you see a "°C" blinking on the display.
- Press the checkmark ✓ button once to save the value.
- The display will go back to a "P2" blinking and after 20 seconds of inactivity, it will go back to the Room Mode.

REBOOTING YOUR COOLBOT

See page 13.

ERROR CODES ON YOUR COOLBOT

"Er" FLASHES ON MY COOLBOT DISPLAY

Er is a communication error with the **Room Sensor**.

The Room Mode Indicator Light flashes rapidly if you press the right arrow to move to the Fins Mode.

- Unplug the Room Sensor from the CoolBot.
- Inspect the cable for possible damages in the cord or on the tip. Inspect the port connection as well.
- Clean the plug end of the sensor (jack connector) with a cotton cloth and plug it back in the CoolBot port a couple times making sure it goes all the way in. *It should sit firm and snug- shouldn't wiggle or feel loose.*
- If the error persists after 20 seconds, unplug the sensor from the Room port and switch ports with the Fins Sensor by plugging the Room Sensor in the Fins port and the Fins Sensor in the Room port.
- If the "Er" message is gone and now you have a flashing "Ef" while the Fins Mode light blinks rapidly, then your Room Sensor cable (currently plugged in the Fins port) is bad and needs replacement.
- Plug the Fins Sensor back into the Fins port.
- Discard your Room Sensor.
- "Er" will still show on the display (because there is nothing plugged in the Room port). That is all right.

- SAFETY MODE-

The CoolBot can work with one (1) good sensor **plugged in to the Fins port** while your replacement sensor is being shipped. **DO NOT plug anything in the Room port!**

Since the CoolBot won't display the room temperature while running in the "Safety Mode," the Room temperature will have to be monitored with the aid of an external thermometer.

To order a replacement sensor under warranty (1 year) please contact our support team at support@storeitcold.com.
To purchase new sensors please visit our parts page at: <https://storeitcold.com/category-product/coolbot-parts/#>

“Ef” FLASHES ON MY COOLBOT DISPLAY

Ef is a communication error with the **Fins Sensor**.

The Fins Mode Indicator Light flashes rapidly

- Unplug the Fins Sensor from the CoolBot.
- Inspect the cable for possible damages in the cord or on the tip. Inspect the port connection as well.
- Clean the plug end (jack connector) of the sensor with a cotton cloth and plug it back in the CoolBot port a couple times making sure it goes all the way in. *It should sit firm and snug- shouldn't wiggle or feel loose.*
- If the error persists after 20 seconds, the sensor is bad and needs replacement.
- Unplug the Fins Sensor and discard.
- Unplug your Room Sensor and plug into the Fins port.
- You will see an “Er” message on the screen (because there is nothing plugged in the Room port). That is all right.
- If the “Ef” message stopped flashing and the Fins Mode Indicator Light stopped flashing rapidly you are now working in the “Safety Mode”.
- Insert the tip of the sensor into the fins of the A/C (center bottom) following the same recommendations as in the installation guide (STEP 7- Page 9).

- SAFETY MODE-

The CoolBot Pro can work with one (1) good sensor **plugged in to the Fins port** while your replacement sensor is being shipped. **DO NOT plug anything in the Room port!**

Since the CoolBot won't display the room temperature while running in the “Safety Mode,” the Room temperature will have to be monitored with the aid of an external thermometer.

To order a replacement sensor under warranty (1 year) please contact our support team at support@storeitcold.com. To purchase new sensors please visit our parts page at: <https://storeitcold.com/category-product/coolbot-parts/#>

“EH” FLASHES ON THE COOLBOT DISPLAY

EH means there is a problem with the Heater Cable (red tip cable) or the Heater port.

The Heater Mode Indicator Light flashes rapidly.

- Unplug the Heater Cable from the CoolBot.
- Inspect the cable for possible damages in the cord or in the tip. Inspect the Heater port as well.
- Clean the plug end of the Heater (jack connector) with a cotton cloth and re plug in the CoolBot a couple times making sure it goes all the way in the port. *It should sit firm and snug- shouldn't wiggle or feel loose.*
- If the error persists after 20 seconds, the HEATER cable is bad and needs replacement.

ATTENTION!

The CoolBot does not have a workaround mode for a bad Heater Cable. **DO NOT** plug anything other than a replacement Heater Cable in the Heater port - a sensor cable won't work!

To order a replacement Heater under warranty (1 year) please contact our support team at support@storeitcold.com. To purchase a new Heater please visit our parts page at: <https://www.storeitcold.com/replacement-parts/>

“EE” FLASHING ON THE COOLBOT DISPLAY

Applies **ONLY** to the CoolBot Pro and CoolBot (Blue)

IMPORTANT! If you are **NOT** using Wi-Fi and you have an **EE** showing on the display follow these steps:

1. **Unplug the CoolBot** from the power supply.
2. **Disconnect the Jumper** from the CoolBot and **disconnect the Data Cable** (if they were connected).
3. **Plug** your CoolBot back in. You will **see EE**.
4. **On the CoolBot**, press the left arrow button until **the Program light** is solidly lit. You will see the firmware version on the display (7.8, 7.9, etc.).
5. **Press the Checkmark button five times slowly**, until you see **“P1”** on the display.
6. **Press the Left Arrow** a few times to get to the reset option **“CE”**.
7. **Once on the “CE” option press checkmark** to select.
8. **Press the Left or Right Arrow** until a **“Y”** shows on the display.
9. **Press Checkmark**. Your CoolBot should stop blinking **“EE”** and revert back to show only the Room Temperature (It is ready to use in the **“No Wi-Fi Mode”**).

REBOOTING THE COOLBOT

1. **On the CoolBot**, press the left arrow button until **the Program light** is solidly lit. You will see the firmware version on the display (7.8, 7.9, etc.).
2. **Press the Checkmark button five times slowly**, until you see **“P1”** on the display.
3. **Press the Left Arrow** a few times to get to the reset option you want to choose:
 - **P1**: resets all settings (Same as **Fr**)
 - Full factory reset of **CoolBot and Jumper** if the **Jumper is connected**.
 - Factory Reset of the **CoolBot only**, if the **Jumper is disconnected**.
 - **ES**: escapes from this menu and returns to normal operation
 - **CJ**: clears the Jumper’s (Wi-Fi radio) **settings only**. **The Jumper HAS to be connected to the CoolBot**.
 - **CE**: **Wi-Fi Mode** disabled: **Y**=Not using Wi-Fi, **N**=Using Wi-Fi (See **“EE” Flashing on display-** above)
 - **CS**: clears the CoolBot settings to defaults but **keeps the Wi-Fi settings** the same.
 - **Fr**: resets all settings (Same as **P1**)
4. Press **Checkmark** to select that reset option.
5. You will see a blinking **“n”** for “no”. **Press one of the arrow keys** to change it to **“y”** for “yes.”
6. **Press Checkmark**. The CoolBot will reset the selected settings.
7. If you chose **P1, CJ, or Fr with the Jumper connected to the CoolBot**, the CoolBot will switch to its Wi-Fi Configuration mode. You should **see the code “E0”** on the display. This means the CoolBot pro and the Jumper are ready to reconfigure the Wi-Fi connection.
8. The CoolBot set temp has been reset to factory setting of 42°F, change it to your desired room temp.

CHECKS ON YOUR COOLBOT

MY HEATER DOES NOT SEEM TO BE WORKING

Checking the HEATER is very simple:

- Pull the HEATER out of the aluminum foil. Hold the red tip against the inside of your wrist with your fingers.
- Unplug the POWER to the CoolBot, then plug it back in. In ~5 seconds the Heater Activity Indicator light will come on SOLID for about 20 seconds.
- The HEATER should get Warm/Hot within the first 10-30 seconds of the CoolBot being plugged in. If not, unplug/plug the HEATER a couple times and repeat the test.
- If it STILL doesn't get warm contact us at support@storeitcold.com.

NOTE: During **normal operation**, the Heater light blinks and you may not feel the warmth.

TEMPERATURE SENSORS CALIBRATION TEST

Checking the Calibration of your sensors is very simple:

- Gently slip the Fins Sensor tip out of the fins of the A/C. Let the tip of the sensor hang right next to the tip of your Room sensor cable.
- Allow 2 minutes for the sensor to adjust its temperature reading.
- Compare the Room temperature reading with the Fins temperature reading using the arrows to toggle back and forth between the Room Mode and the Fins Mode.
- Your Room Sensor and your Fins Sensor should read within 3 degrees of each other. If one of the sensors is more than 3 degrees away from the other, compare the readings against a calibrated external thermometer and replace the faulty sensor.

THE COOLBOT HAS NO LIGHTS AND NO DISPLAY.

1. **Make sure that there is proper power supply to the outlet where the CoolBot is plugged in (120V).**
2. **If proper power is supplied and the CoolBot has no lights and no display the power supply needs replacement.**
If this is an emergency, you can get a generic Mini-USB power supply rated at 5VDC / 1 amp (or higher amp) until you get the original power supply shipped to you.

To order a replacement Power Supply under warranty (1 year) please contact us at support@storeitcold.com.

To purchase a new Heater please visit our parts page at: <https://www.storeitcold.com/replacement-parts/>

CHECKS ON YOUR A/C UNIT

DIRTY FINS

- This is a very common problem! Dirty front fins drastically reduce cooling power and waste electricity. **Clean the fins 2 times a month.**
- For the inside coils use a plastic brush with bristles long enough to go all the way through the fins. Depending on the make of your A/C, a dish brush or paintbrush might work well.
- **Use plain water.** DO NOT use soap! Soap residue attracts more dirt!
- Dunk bristles in water then swipe down the fins. Rinse the bristles in the water and repeat, working your way across until all the fins have been brushed. Change out the water as needed if it gets murky.
- A/C supply stores also sell "Foaming Coil Cleaner". This works great for the outside coil.

- Squished fins greatly reduce the cooling power of the A/C. Use a “Fin Comb” (available at most hardware stores) to straighten them.
- **Fins on the back side (outside coil) should be cleaned at least once a year. Also, make sure no leaves or debris are blocking the vent louvres of your A/C on the back.**

PROPER INSTALLATION AND SETTINGS

- Make sure your A/C is on “**COOL**” Mode and the Fan on “**HIGH**”
- *If your A/C has a separate Economy Mode make sure is OFF. **The Fan should run continuously!***
- Make sure your A/C is a compatible brand. Check compatibility at: www.storeitcold.com/support-library
- Make sure that the A/C is draining properly.
- The back of the A/C should be **lower (at least 1 inch) than the front (inside)** and the unit should be level from side to side, so condensation can drain out the back. **This is very important!**
- Check the insulation around your A/C opening. This is a critical spot in your cooler for condensation.
- Make sure your A/C unit does NOT have a Secondary Sensor.
If the cooler is stuck around 45-50°F/7-10°C, or if the compressor comes off and does not cycle ON back for a while, or if it cools down and then waits a long time to start cooling again, look for a Secondary Sensor on your A/C (See CONNECTING YOUR COOLBOT TO YOUR A/C, Step 6- page 8).
NOTE: *This can happen even if your A/C has been installed for some time and was working correctly before – please ensure your A/C does not have a secondary sensor if you are experiencing these problems (See CONNECTING YOUR COOLBOT TO YOUR A/C, Step 6 - page 8).*

FOR TROUBLESHOOTING AND QUESTIONS

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