



Bin-Stat Installation

Why is this necessary?

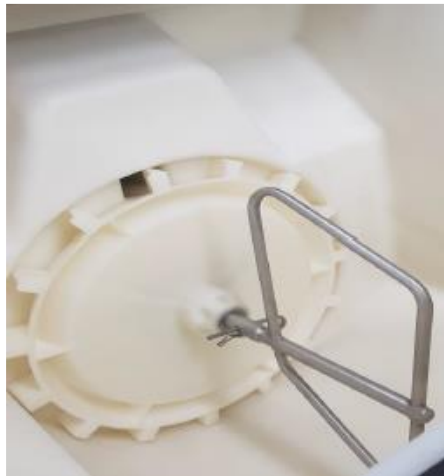
When installing an ice machine on top of a soda fountain, a bin-stat kit is recommended to keep ice at an appropriate level.

Doing so will prevent ice from building up to an unsafe level, hoper overflow, ice machine harvest issues, and/or water dripping down and staining the sides of the soda fountain with scale.

Failure to install a bin-stat kit can also potentially void the warranty on your soda fountain, depending upon the manufacturer!

Paddle Wheel & Auger Operation

Paddle wheel or auger ice delivery systems have a built-in ice breaker-bar. The wheel/auger turns in either a clockwise or counter-clockwise motion and pushes the ice up and over to one side of the hopper, causing ice to pile up on that side & push up, damage, or knock out of place the water trough. It's important to determine which direction your dispenser pushes the ice toward so you can set the bin-stat accordingly.



Required by major dispenser manufacturers!



⚠ CAUTION:

Do not slide the ice maker in place as gasket seal damage may occur.

Install Ice maker as per Manufacturer's Installation Instructions.

8. **Install Ice maker Bin Stat (ice level sensor).**

The ice level in dispenser hopper should always be a minimum 2" below hopper top for cubed ice and 4"-6" below for soft ice (chunklet, chewbelt).

For ice makers that use 'cap tube' technology for ice level sensing, Cornelius supplies a bracket and retainers to mount cap tube, install and route as shown in Figure 11. and Figure 12.

For Manitowoc Ice makers that use Manitowoc Ice K00477 Dispenser Thermostat Kit (Sold Separately), See Figure 13a. and See Figure 13b. for Installation.

⚠ CAUTION:

Failure to install could result in equipment damage.

LANCER®

Ice Beverage Dispensers - Model 4500

LANCER INSTALLATION GUIDE

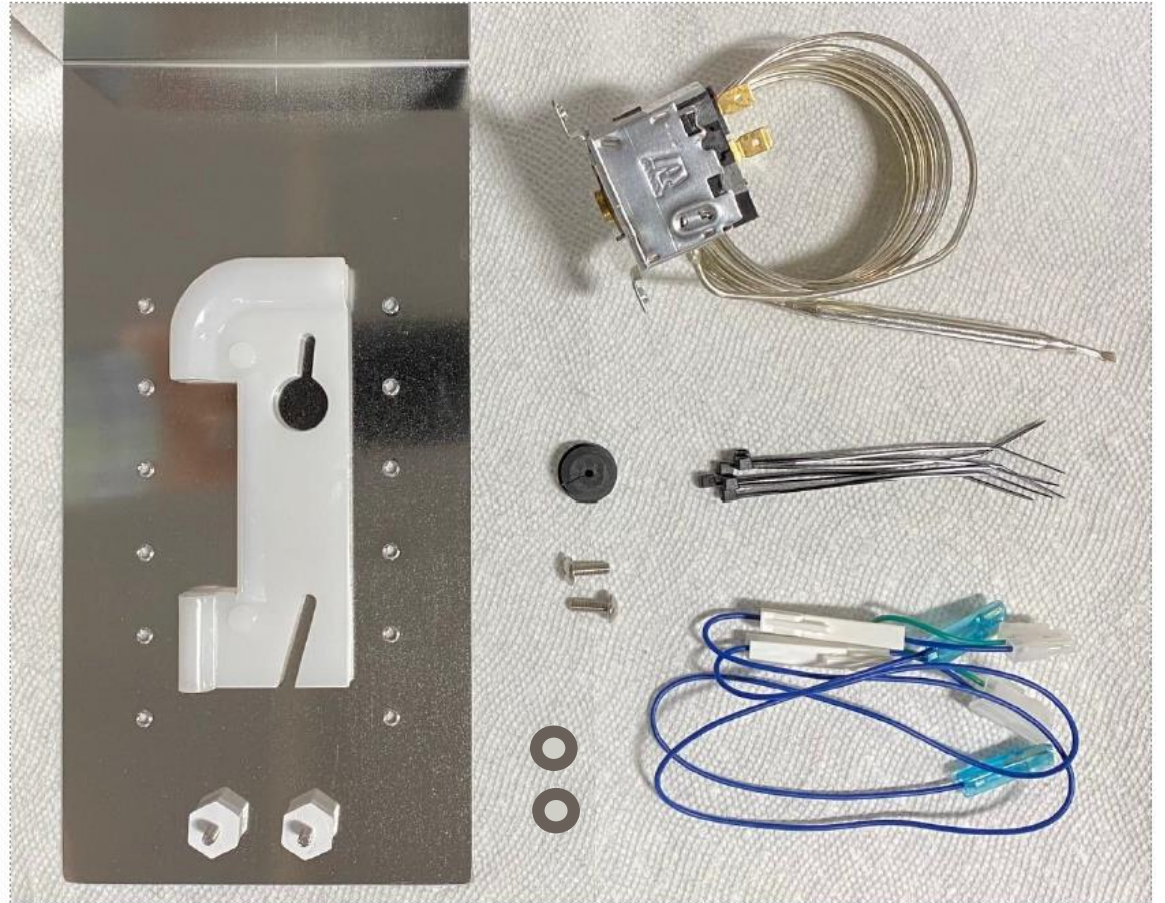
⚠ ATTENTION

Failure to use an ice bin thermostat will not only void your IBD's warranty but will result in the inability to control the level of ice in the ice bin which can cause damage to your dispenser.

Step 1: Make sure you have all the parts.

Each kit comes with the following items:

- 1 Dispenser Bracket
- **OR**
- 1 *Freestyle* Bracket
- 1 Thermostat Control
- 1 Wiring Harness
- 1 Bulb Bracket
- 2 Thumbscrews
- 1 Grommet
- 2 Screws
- 5 Zip Ties
- 2 Washers



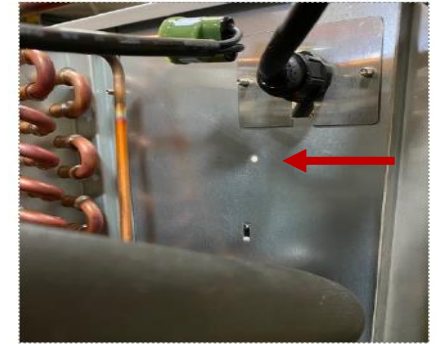
Step 2: Mount the bin-stat



30"W Machine

Use the pre-drilled holes to mount the bin-stat control, and run the capillary out of the machine.

Note: 22" wide machines will only have one pre-drilled hole for the bottom mount of the bin-stat. Use the screw already in place above that hole to secure the top mount of the bin-stat.



22"W Machine

Step 3: Run the sensing bulb out of machine

Run the sensing bulb out of the hole made and use the rubber grommet to seal the hole.

Leave any excess capillary tubing coiled up in/out of the ice machine, but NOT inside of the soda fountain.

Use the provided zip ties if needed to keep the coil tight, rather than stretched out and touching other components.



30"W Machine



22"W Machine

Step 4: Run sensing bulb between machines



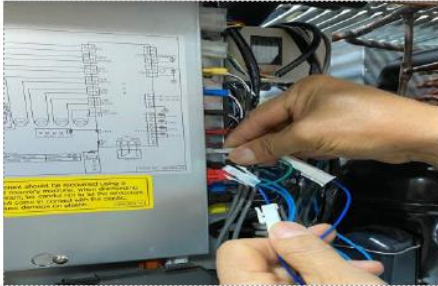
On the back side of the machine, run the capillary down to where it sits between the ice machine and soda fountain.

Run the capillary within the break between the two pieces of insulation tape. If no insulation tape exists, apply some to the adapter top before setting the machine.

Failure to do this may result in the capillary being crushed by the weight of the machine.

Use caution so the capillary tubing is not kinked while routing it into the dispenser.

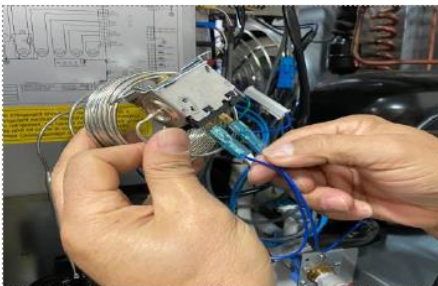
Step 5: Wire bin-stat to ice machine



Disconnect the bin switch from the control box and replace it with the male end of the wiring harness provided.



Connect the female end of the wiring harness to the male end of the bin switch .

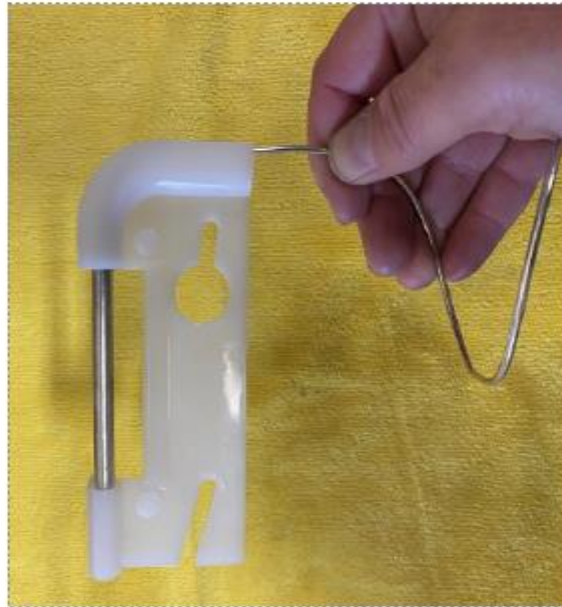


Connect the spade connectors to the bin-stat control.

Step 6: Secure sensing bulb to dispenser bracket



Use 1/4" drill bit to enlarge curved bracket opening.

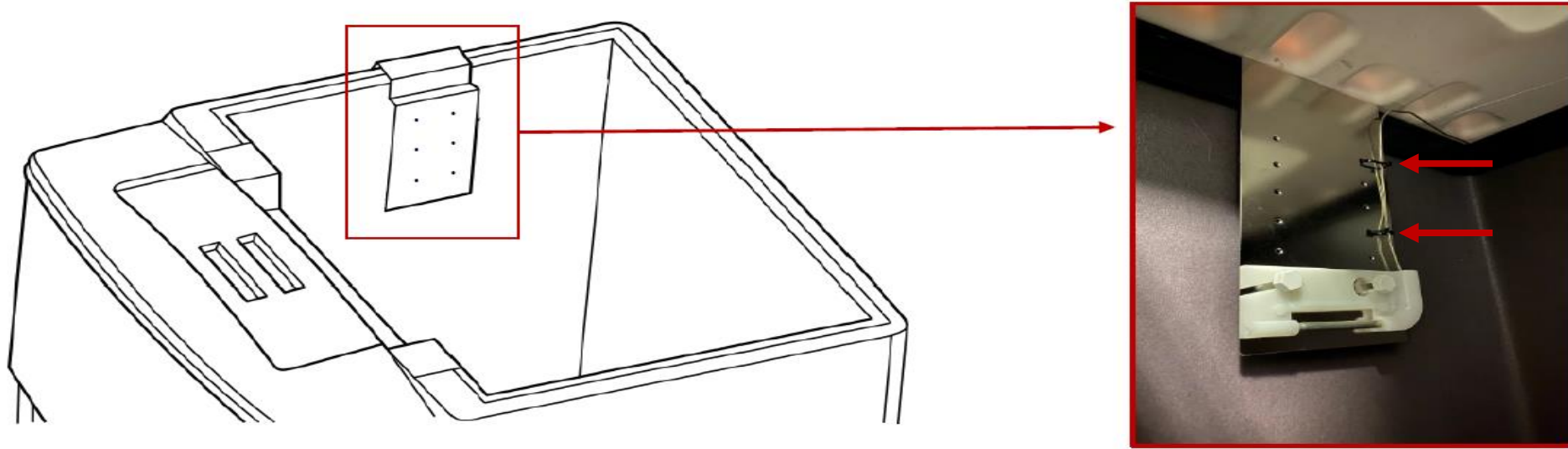


Fit the bulb through the opening & place the bulb tip in the other end.



Fix the bulb bracket to the dispenser bracket with the supplied thumbscrews at the desired position.

Step 7: Secure dispenser bracket (Non-Freestyle)



Mount the dispenser bracket between the ice machine & soda fountain.

Use the included zip ties to secure the capillary tube to the dispenser bracket.

Note: All dispensers are different. Please consult the installation guide for your specific dispenser to ensure you're installing the bin-stat on the correct side of the dispenser and within the appropriate distances.

Step 7: Secure dispenser bracket (Coke *Freestyle*)



After setting the *Freestyle* ice machine adapter, use the hardware included with the adapter to mount the bin-stat bracket to the adapter. Leave the wing-nut loose until you have secured the seismic bracket to the ice machine. Then tighten it up.

Step 7: Secure dispenser bracket (Coke *Freestyle*)



Use some foam insulation tape along the black plastic, where it meets the base of the ice machine. This will prevent any moisture from dripping down the sides of the dispenser.

It's a good idea to double up on the layers of foam tape so that you can cut a groove where the bin-stat capillary is fished down to the bracket.

Step 7: Secure dispenser bracket (Coke *Freestyle*)



Once the ice machine is set, use the screws already in place on the ice machine, along with the supplied washers, to secure the seismic brackets included with the *Freestyle* adapter.

Tighten up the wing-nuts securing the seismic brackets to the *Freestyle* adapter.

Step 8: Test bin-stat operation



Once install is complete, test the bin-stat's operation by holding ice against the sensing bulb for approximately 15 seconds.

When the machine stops operation the "FULL" indicator light should illuminate on the front panel of the ice machine.

