



ELECTRICAL INSTALLATION



IMPORTANT!!

Electrical installation for your cooler SHOULD be performed by a qualified electrician to ensure correct power supply, wiring, and compliance with national and local codes.

IMPORTANT!

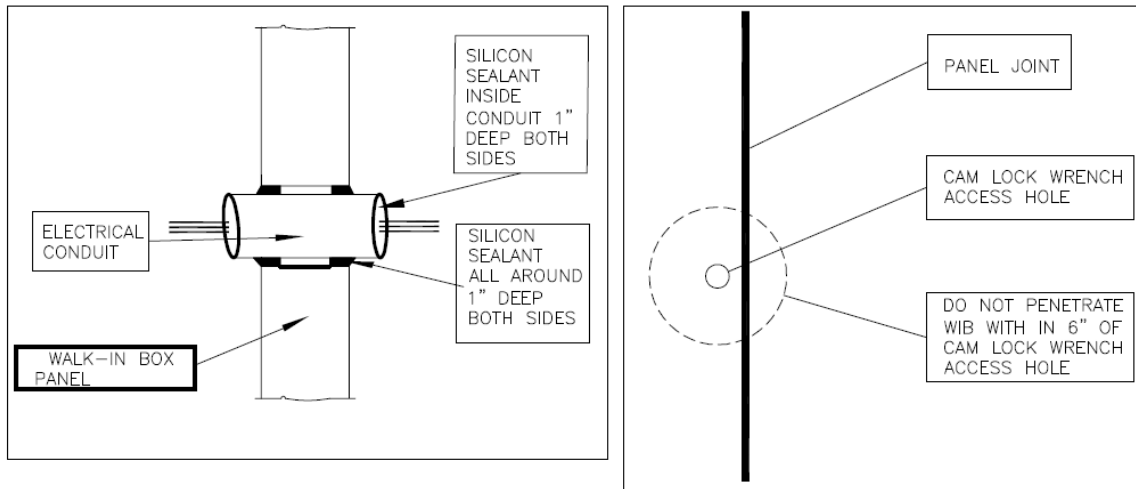
The enclosure does not have any predrilled holes or electrical outlets from the factory. Drilling holes on the panels to run conduit to bring power inside the cooler is OK and will not void the warranty of your panels - as long as the installation is done by a qualified electrician.

All OUTLET BOXES and JUNCTION BOXES should be surface mount whether they are inside or outside the cooler.

Electrical Installations should be done ONLY AFTER your outdoor membrane has been installed (if you purchased an outdoor cooler).

ATTENTION ELECTRICIAN!

To prevent condensation from forming inside, all penetrations with electrical conduit must be sealed internally where it enters cold space and externally (see Fig below). Wall or ceiling penetrations must not interfere with panel seams or locking devices (See Fig below).



Required Connections

Cooler	Door/Light Fixture	CoolBot	A/C
6 x 6	120V	120V	120V
8 x 8	120V	120V	120V
8 x 12	120V	120V	230V
10 x 14	120V	120V	230V

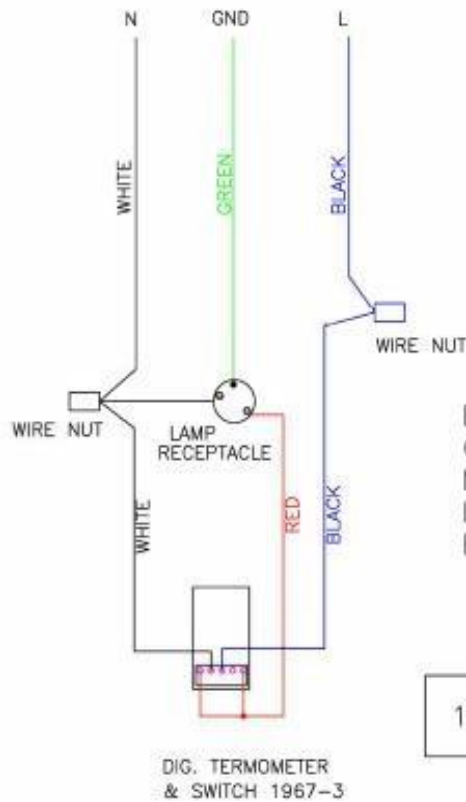
NOTE: On coolers where the A/C is 120V, the CoolBot and the A/C can share the same outlet.

Electrical wiring for Door Panel/light fixture

ATTENTION ELECTRICIAN!

The only connection you have to do at the door is at the light fixture. Bring 120V supply through the ceiling via conduit into the light fixture and connect inside the box to the white, black, and ground cables.

See pictures and wiring schematic on next page



ELECTRICAL CONTRACTOR
CONDUIT PENETRATIONS
MUST BE SEALED
INTERNALLY AND
EXTERNALLY

120V 1PHASE 60HZ

LIGHT SWITCH, THERMOMETER AND LIGHT FIXTURE

Your Cooler Switch, thermometer and light fixture have been **PRE-WIRED at the factory**. The **ONLY** connection needed on the front of the cooler is a 120V supply line (Hot+Neutral+Ground) at the light fixture. The light fixture serves as a junction box.

Once appropriate 120V power has been provided to the Light fixture (junction box) your light switch and thermometer should work. No extra wiring is needed!

Your cooler has a Kason 1967-3 light switch with a built-in thermometer.



OPERATION:

- Touch yellow button
- Depending on temperature of room will read:
 - ✦ **FrE** or F1 / F2 [-40°F to 30°F] or [-40°C to -1°C]
 - ✦ **CoL** or C1 / C2 [32°F to 50°F] or [0°C to 10°C]
 - ✦ **Hot** or H1/ H2 [75 -104°F] or [24°C to 40°C]
- Temperature Units: Default °F, install small black jumper on the back of controller for °C
- Errors / Warnings:
 - ✦ **"B"**: Low battery (battery not included) – *battery not necessary for operation*
 - ✦ **"Hot / H1 / H2"** room temperature is above 75°F
 - ✦ **"OFF"** temperature probe is not connected (install, re-check connection, or replace temp probe on the back of the controller)