

Installation Manual for the Following Modular Blast Chiller Kits

GBF440-385ESK

GBC440ESK

GBF837-727ESK

GBC837

GBF1200-10650ESK

GBC1200ESK

Depending on the model kit you are installing, there will be one (1) control box, one (1) electrical panel and one (1), two (2) or three (3) evaporator coils. The wall where the coils are mounted will be identified and will have backing installed to allow the installer to mount the coils to the wall, by means of 1 ½" #10 screws. The following spacing must be maintained to allow for the correct airflow between coils and the side walls.

Minimum spacing between coils and wall – 4"

Maximum spacing between coils and wall – 7"

Minimum spacing between face of coil and opposite wall – 36"

Maximum spacing between face of coil and opposite wall – 48"

Minimum spacing between bottom of coil and floor – 6"

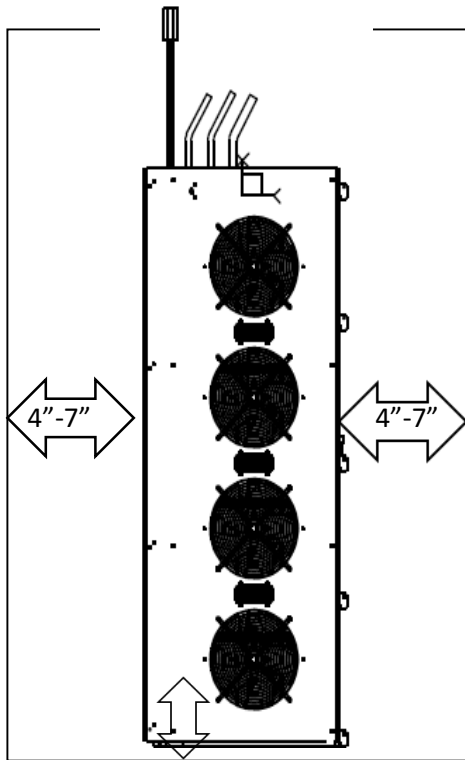
Maximum spacing between bottom of coil and floor – 7 ½"

To identify where to start when mounting the coils(s), measure the distance between the walls on the side where the backing is. This will be the center line of the coil for a single coil system, the center line between a two (2) coil system or the center of the middle coil for a three (3) coil system. Each coil measures 27 ½" wide, measuring from tab to tab, so ½ of that distance will be 13 ¾". Draw a locating line in pencil or something removable.

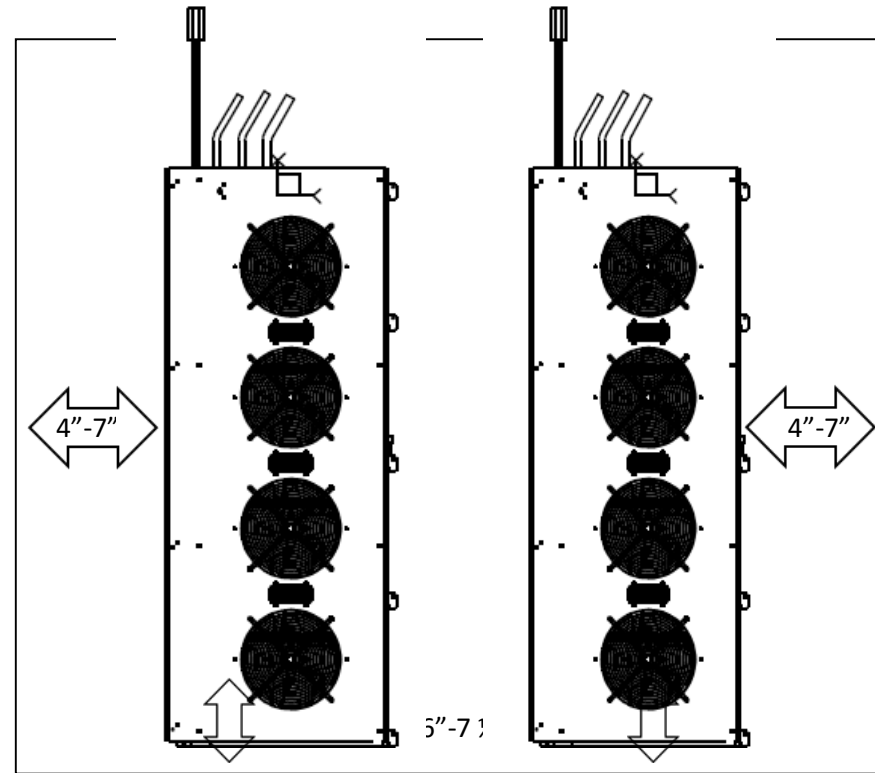
Once the coil location has been determined, the installer must next locate where he will drill the hole to allow the refrigeration piping and the power lines to be run through the ceiling. Using a hole saw, drill a hole (3"– 4"), through the ceiling.

Carefully guide the refrigeration lines on the top of the coil into the hole in the ceiling, set the coil on blocks, 6" – 7 ½" off of the floor and align the right or left edge of the coil tab on this line. install one screw on the top right or left tab and using a level, plumb and level each coil and install the remainder of the 9 screws. Do the same for each coil that needs to be installed. The power lines will be enclosed in a plastic conduit and these also need to be routed through the holes in the ceiling.

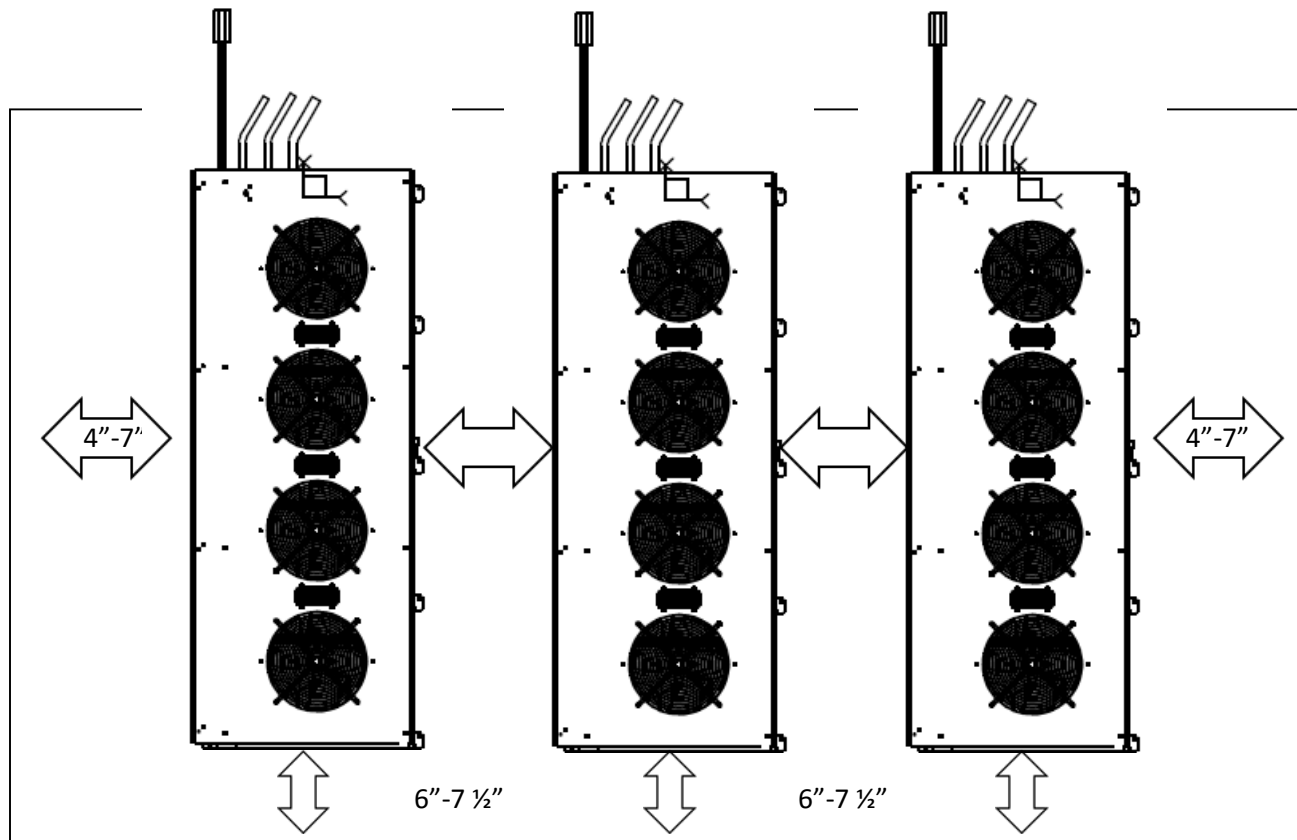
Please see the examples of installation



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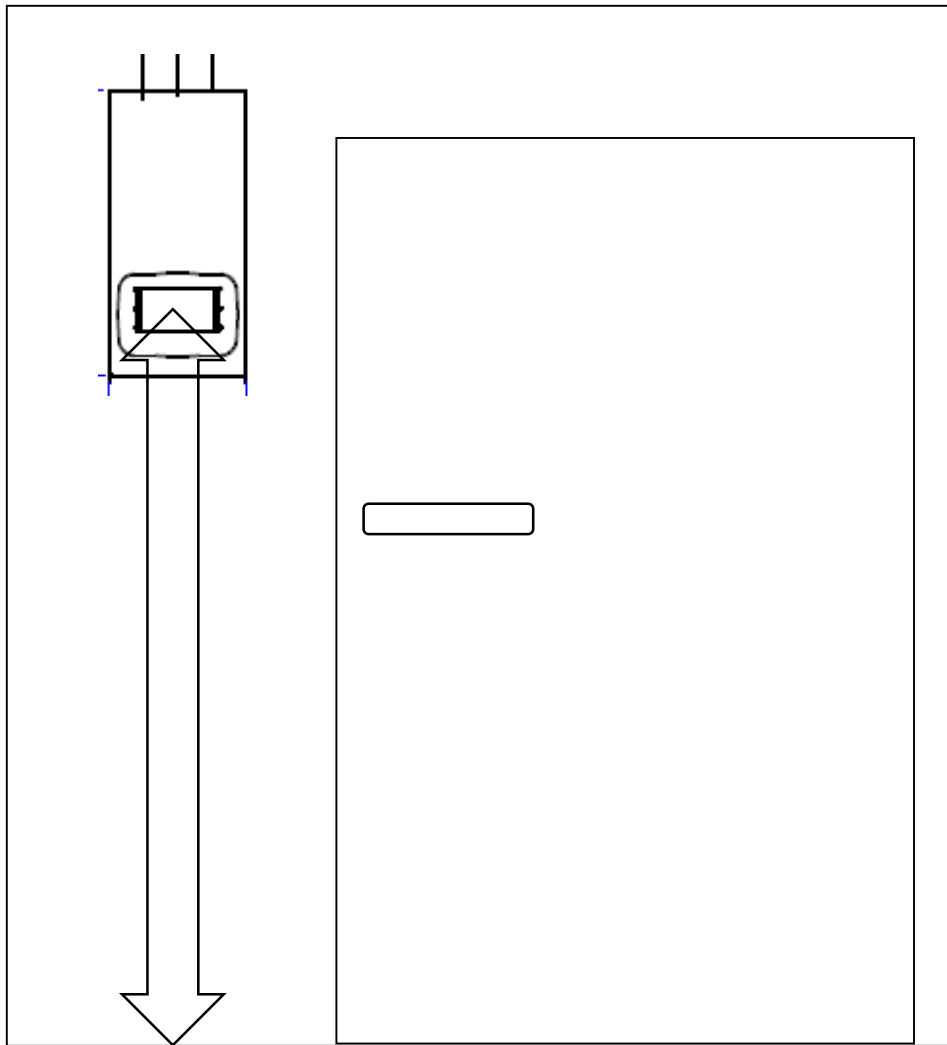


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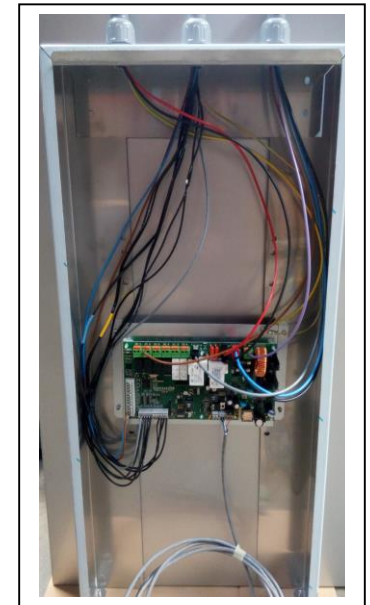


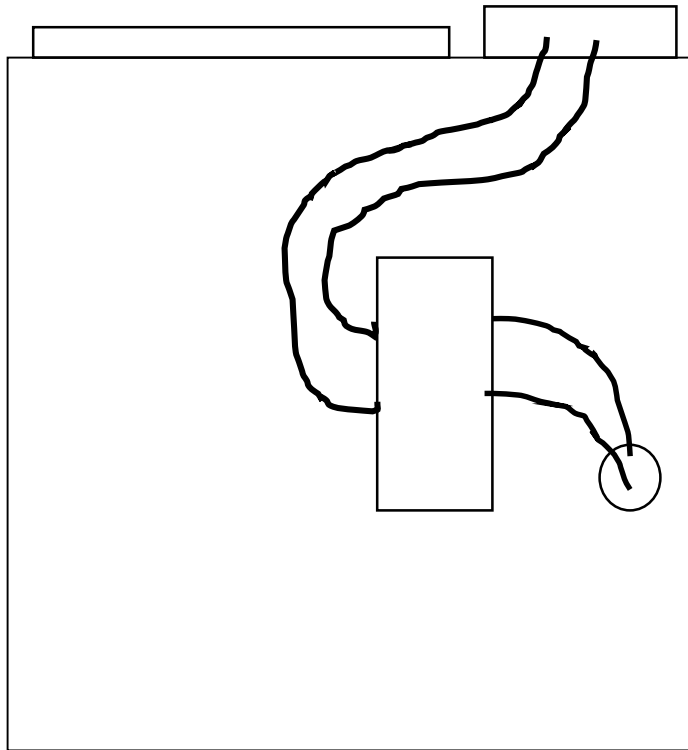
GBF1200-1050ESK

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The control panel mounts to the front of the Blast Chiller box and should be mounted a minimum of 60" to the center of the screen to a maximum of 70" to the center of the screen. The front cover can be removed by removing the 4 screws under the front panel and lifting it up and away. The display is connected by a wire connector and can be removed for installation. It only connects one way, so ensure it is reconnected before re-installing the front cover. The display frame can be attached to the front of the Blast Chiller cabinet by means of 4 #10, $\frac{3}{4}$ " screws, as there is backing for mounting it. Please ensure the control panel is level and plumb.

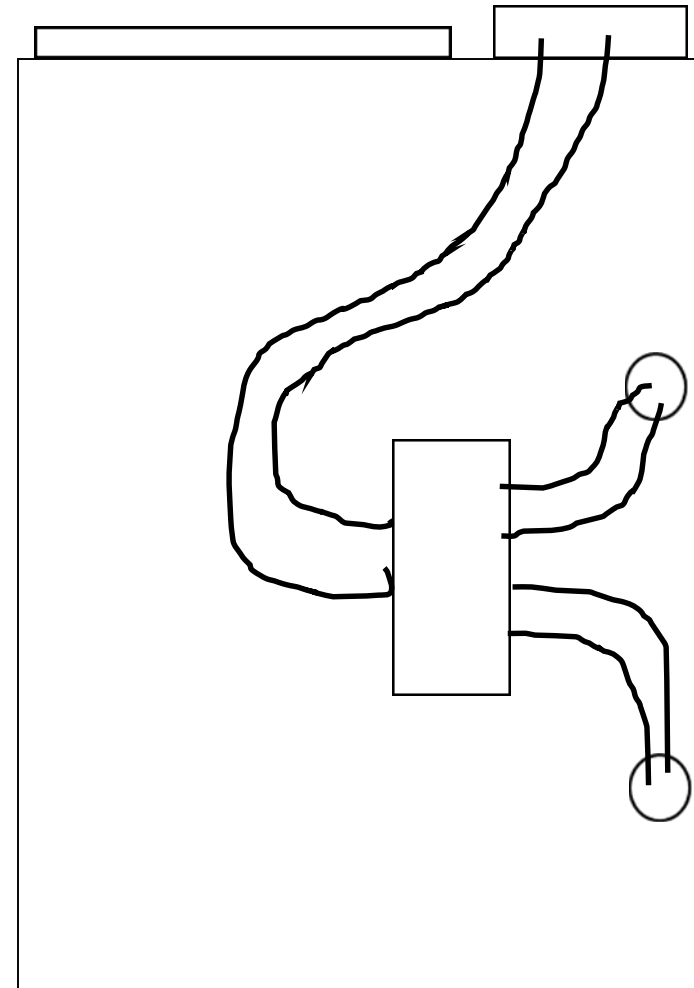




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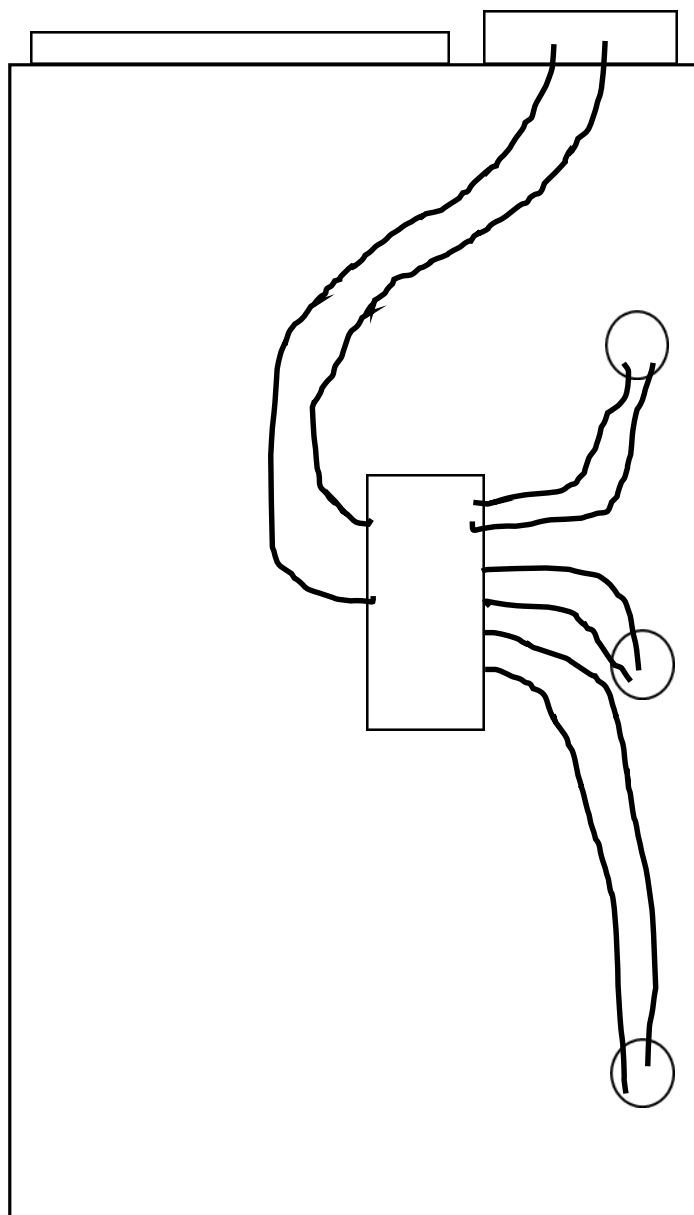
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Mount the electrical box on top and secure with 4 #10, 1" long screws. Connect the power and Sensor cables up per the wiring diagram.



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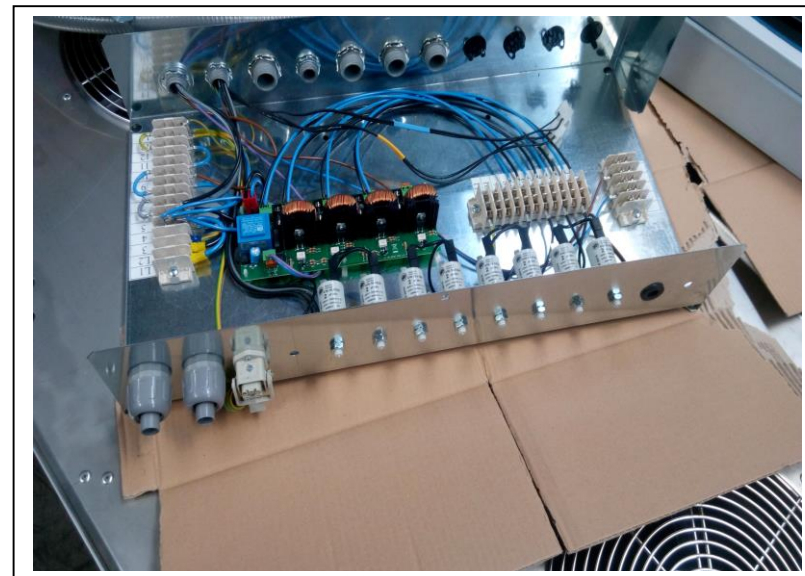
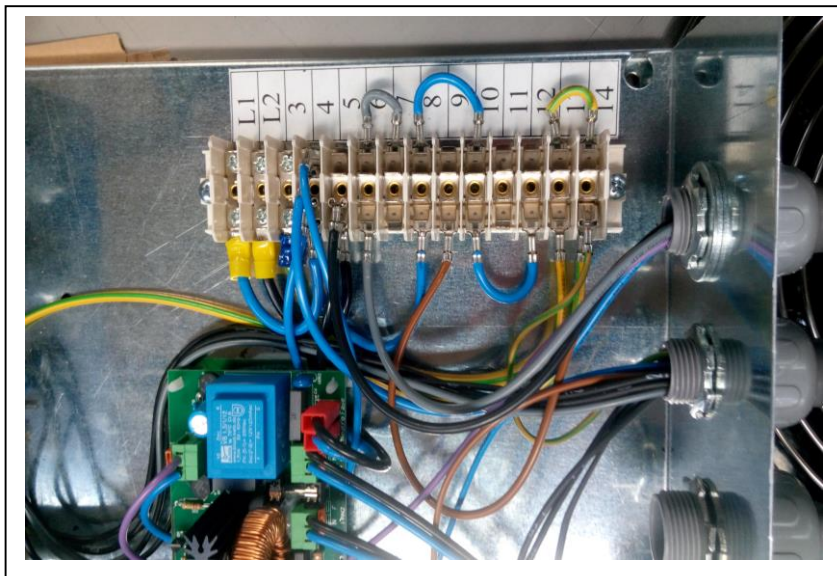
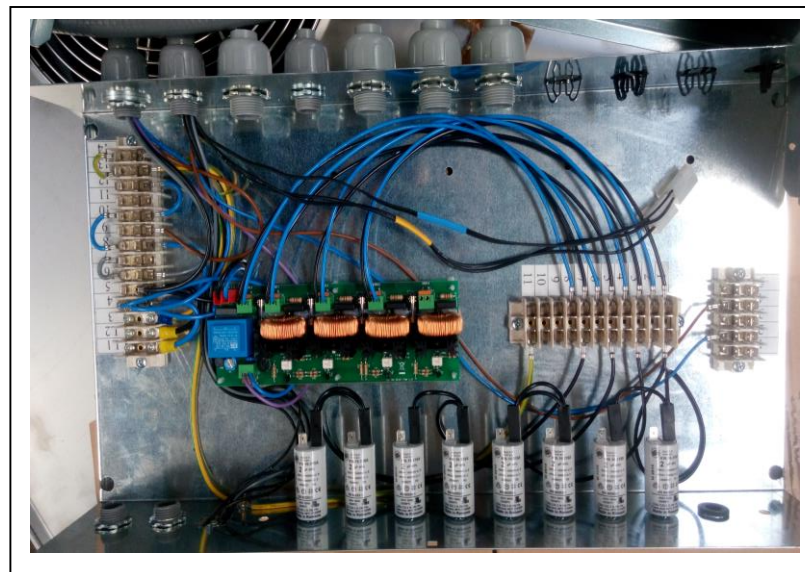


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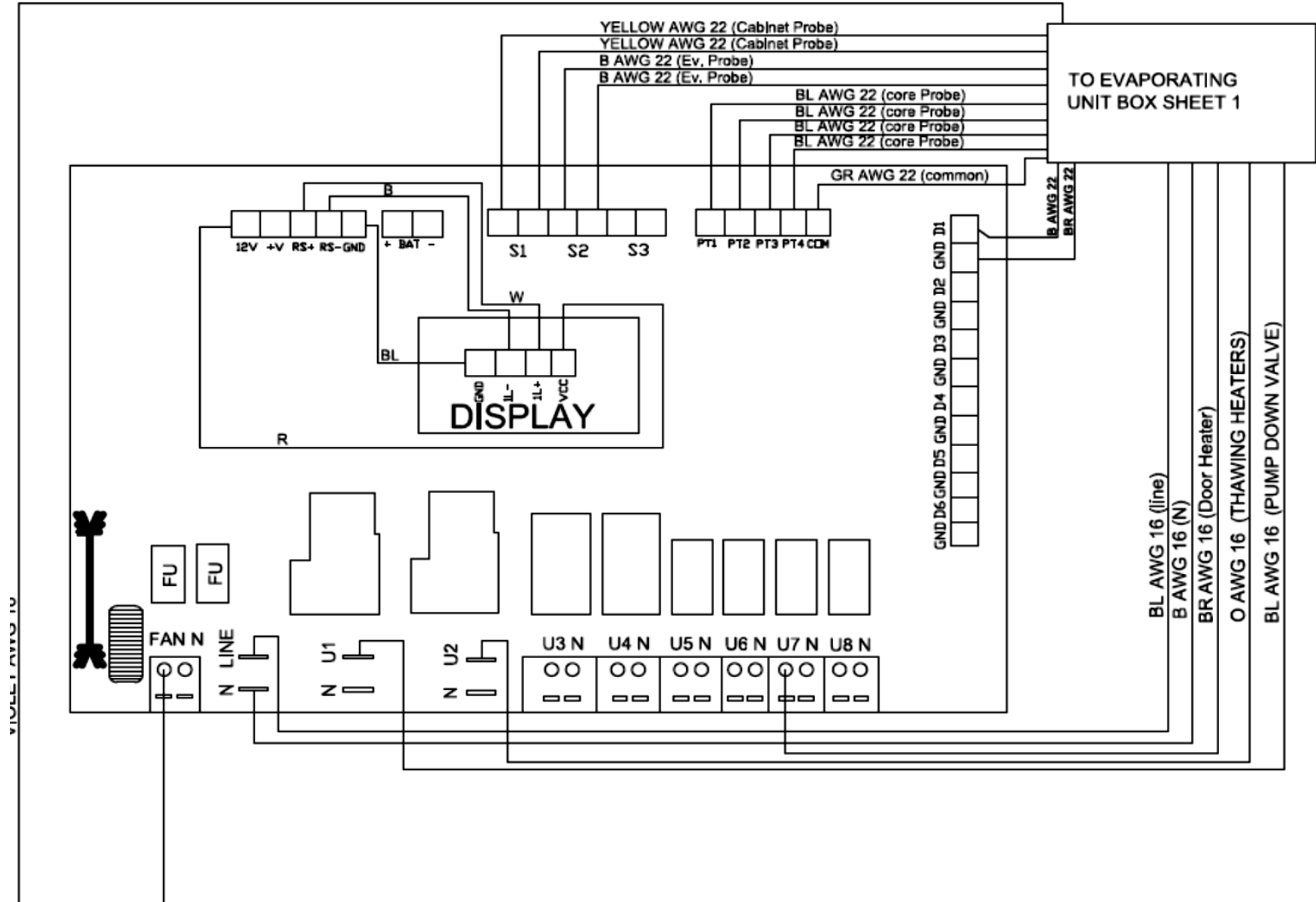
Once the front control panel and the electrical box is mounted and all of the power and sensor cables are connected, per the correct wiring diagram, the holes must be sealed with foam and finished.

Below are the photos of the electrical box, the terminal strips and connections. After removing the 6 screws that hold the top cover on, set it off to the side and you will see the 4 holes for securing the box to the top. Also the connections for the incoming power, 208/240VAC, 60hz, 1 PH are labeled L1 and L2, this is where the electrician will supply power. The ground will be connected to terminal #13 or #14. There will be a cord with 3 wires marked solenoid valve, this is for the field installed solenoid valve to allow the system to pump down and shut off once the air sensor is satisfied.

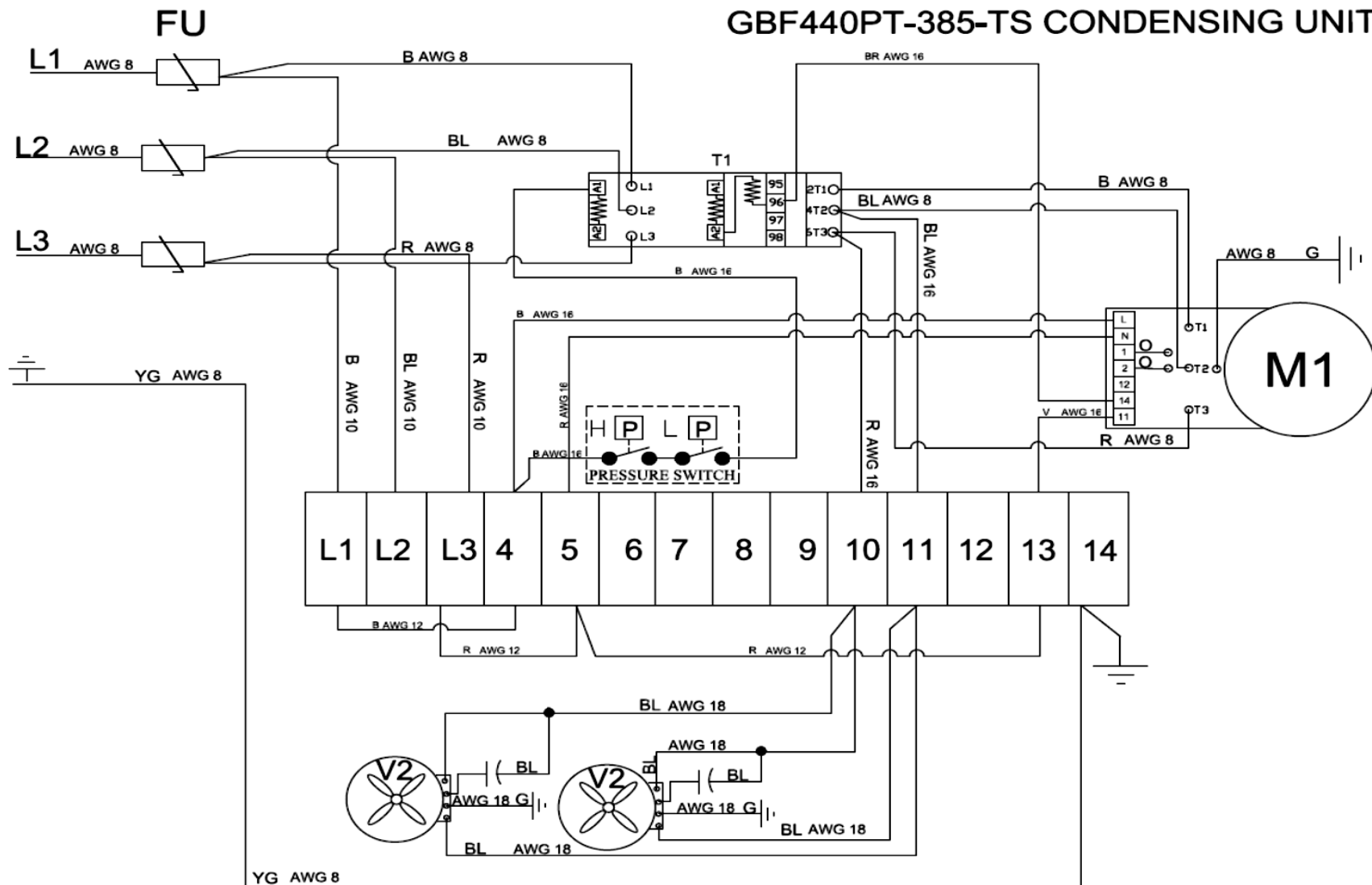


dashed line is only for pass through door version





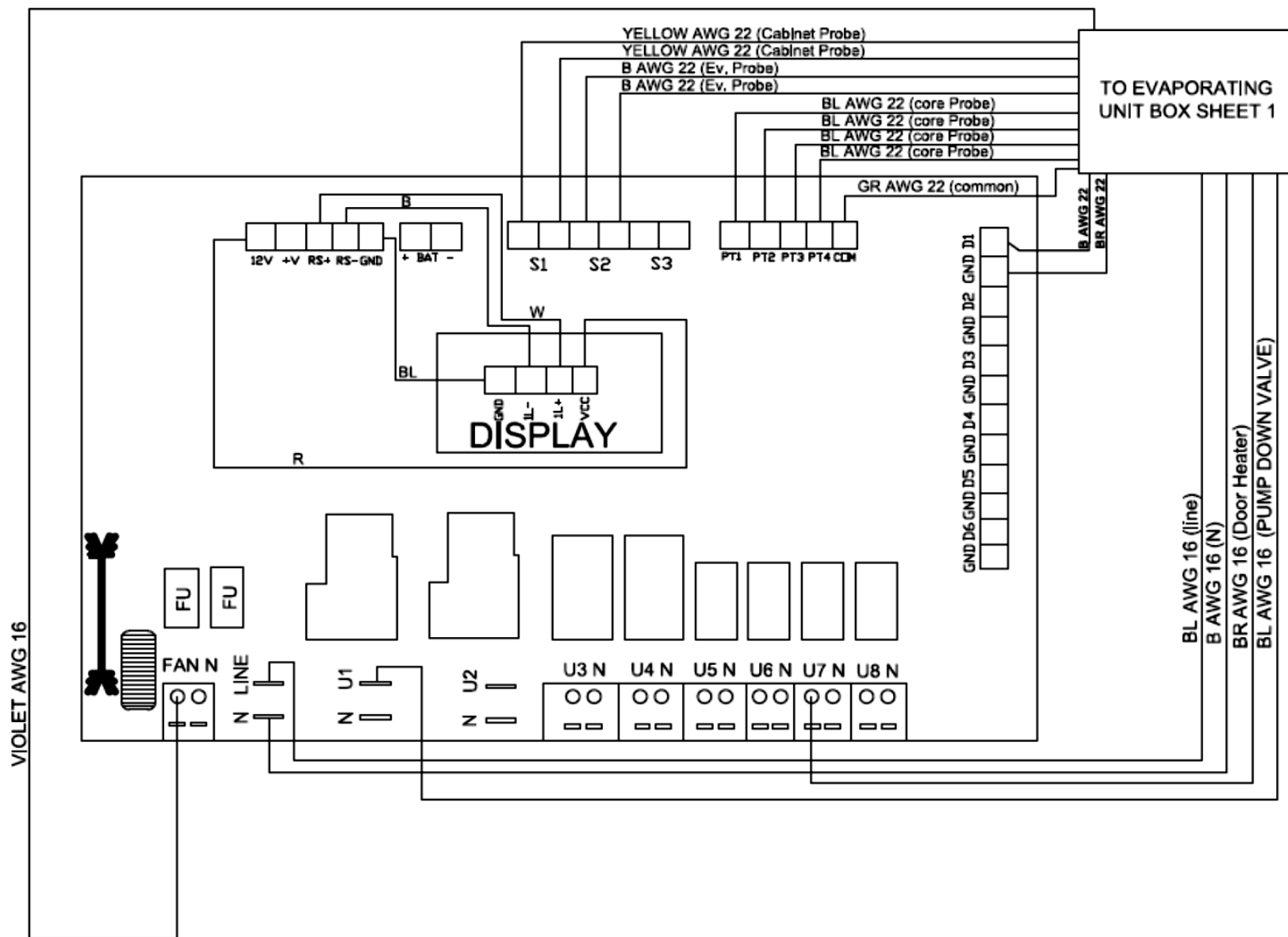
GBF440PT-385-TS CONDENSING UNIT



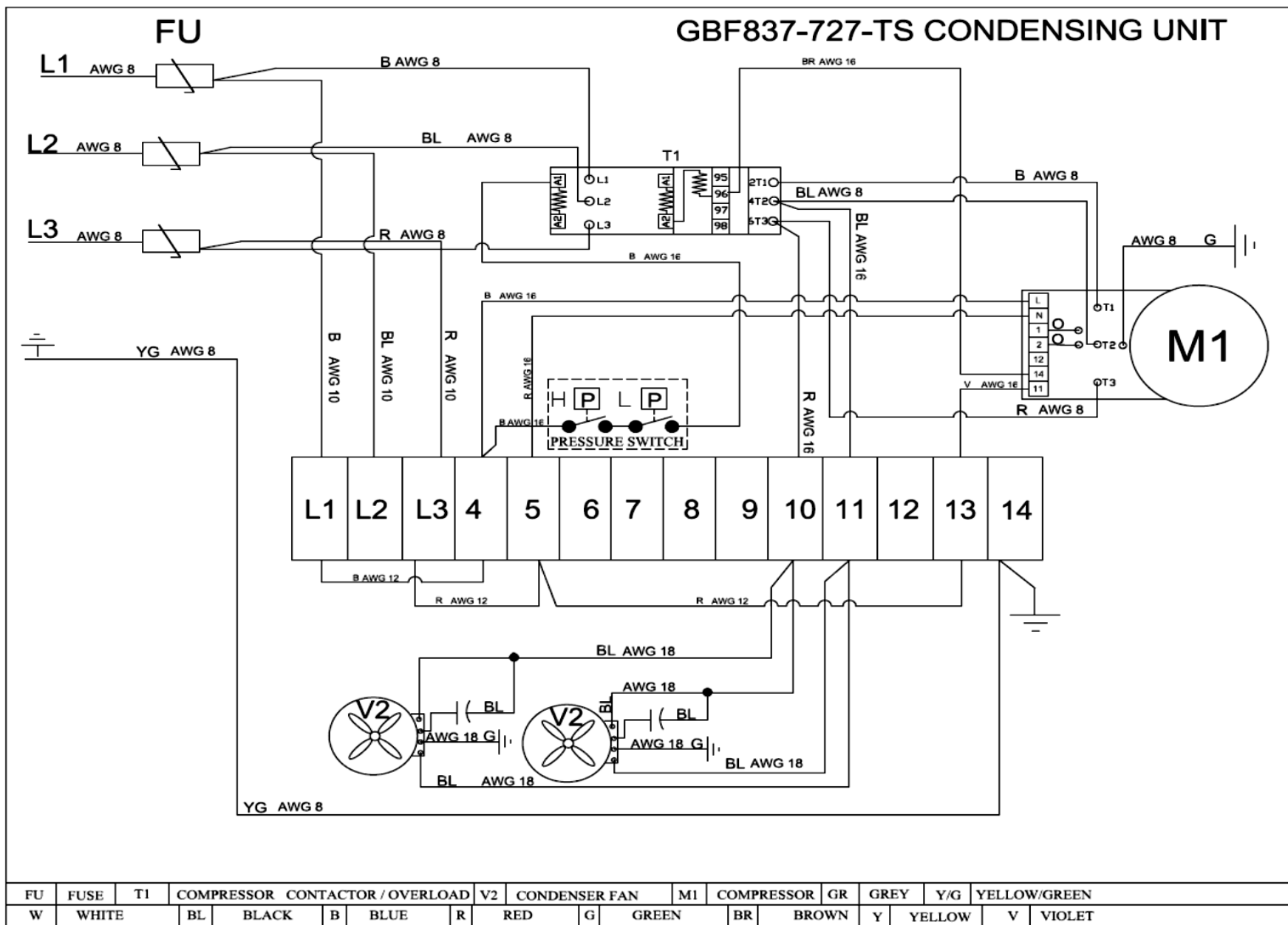
FU	FUSE	T1	COMPRESSOR CONTACTOR / OVERLOAD				V2	CONDENSER FAN		M1	COMPRESSOR	GR	GREY	Y/G	YELLOW/GREEN	
W	WHITE		BL	BLACK	B	BLUE	R	RED	G	GREEN	BR	BROWN	Y	YELLOW	V	VIOLET

dashed line is only for pass through door version

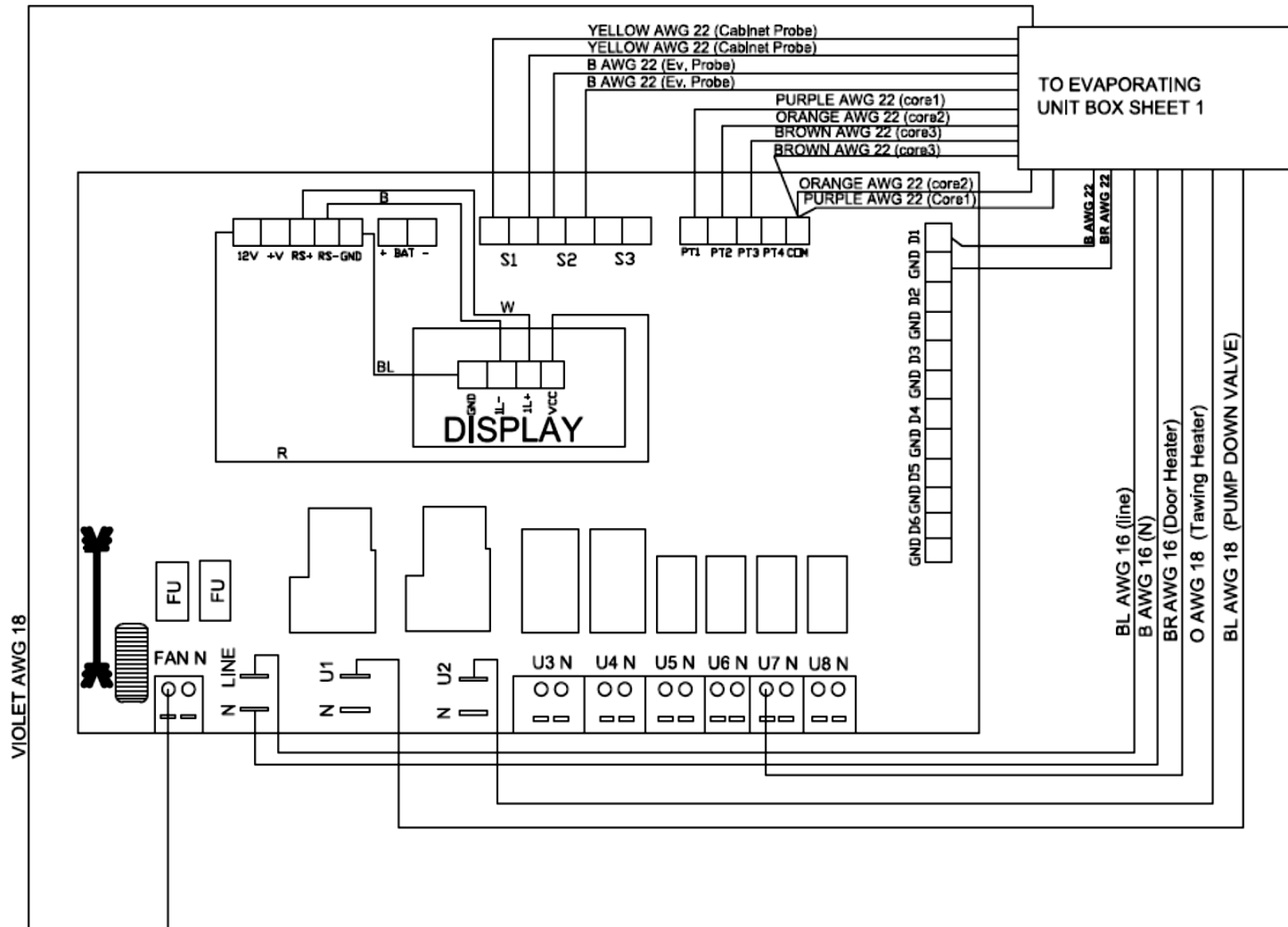


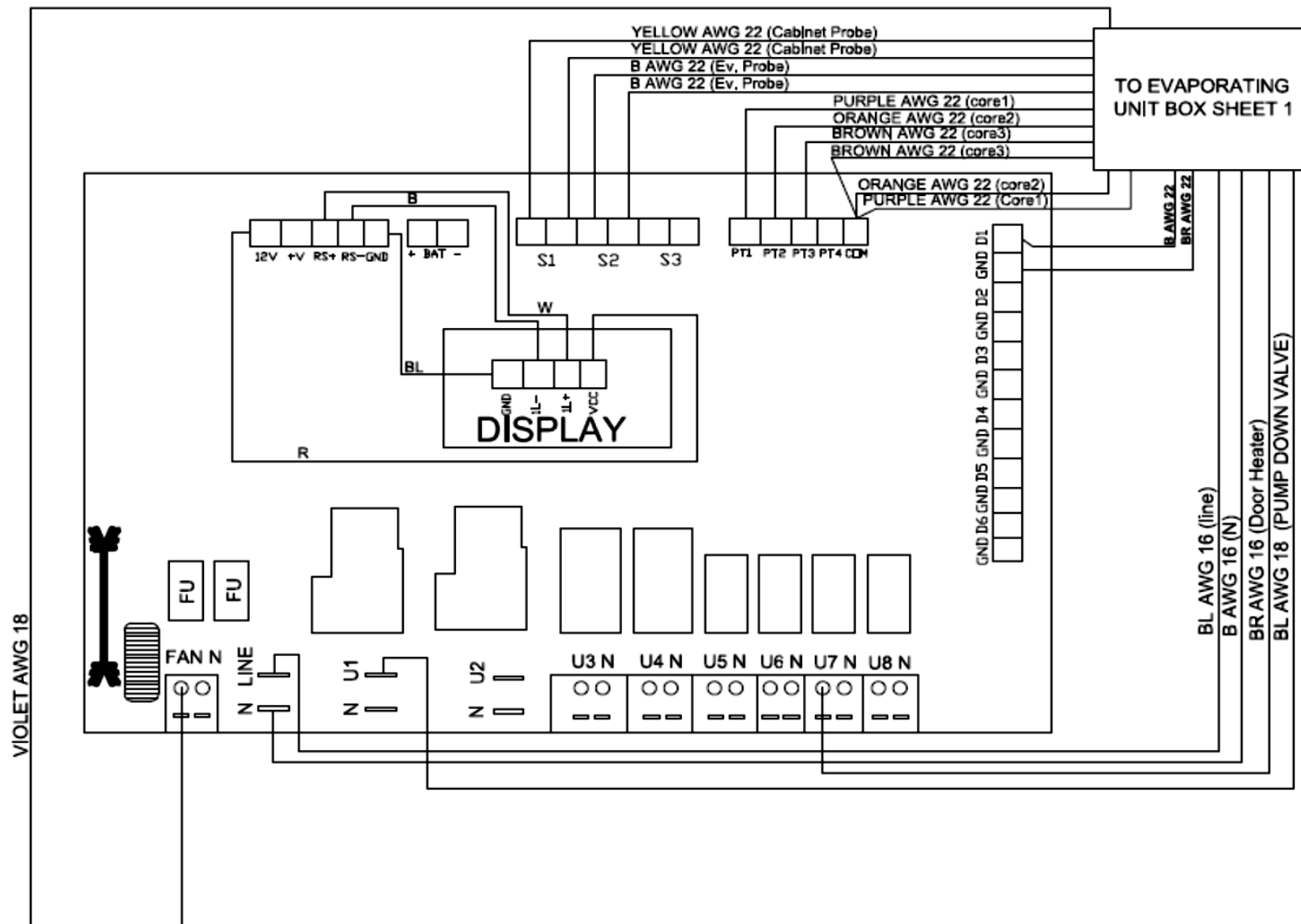


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