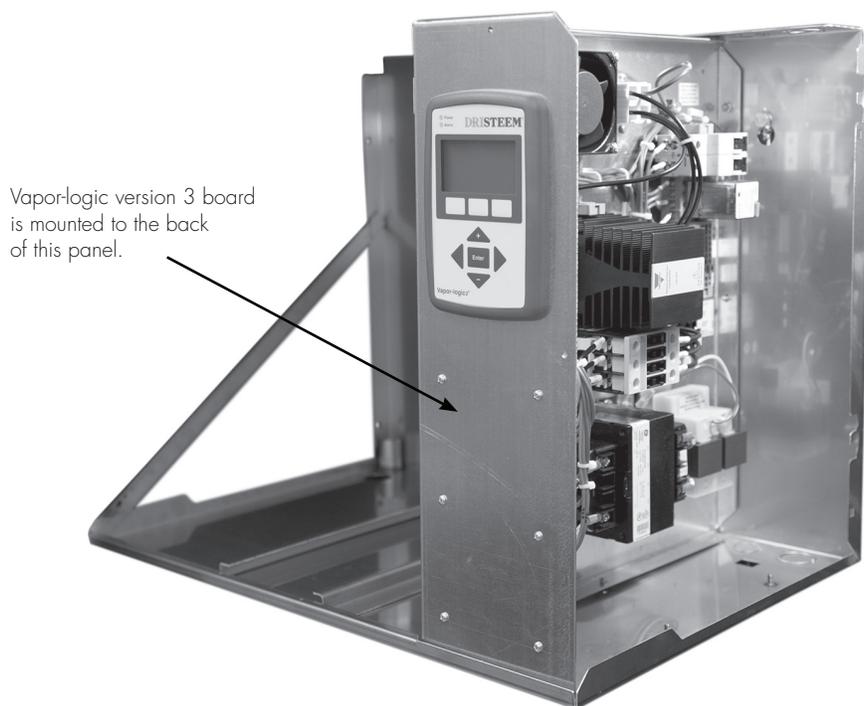


## Vapor-logic® version 3 to Vapor-logic version 6 Field Conversion Instructions: Vapormist® and Humidi-tech® Humidifiers

1. Note the board orientations shown in Figure 3-1. The photos depict the orientation of the Vapor-logic version 3 board before removal, and the recommended Vapor-logic version 6 board orientation.
2. Remove the six screws holding the Vapor-logic version 3 board to the front panel (see photo below). This will allow for board movement during terminal removal.



Vapor-logic version 3 board is mounted to the back of this panel.

3. Leave the wires connected to the Vapor-logic version 3 board terminals. Use needlenose pliers to pull the terminals off of the pins.
- Note:** The Vapor-logic version 6 board has adhesive-backed standoffs that adhere to the subpanel. For best adhesion, make sure the subpanel surface is clean and dry.
4. Remove the adhesive backing paper from the standoffs, and press the Vapor-logic version 6 board onto the subpanel as close as possible to the original footprint of the Vapor-logic version 3 board.
  5. See Figure 3-1. The Vapor-logic version 3 disconnections and Vapor-logic version 6 connections needed for this conversion are labeled.

**Note:** If any wires are too short to reach their new locations on the Vapor-logic version 6 board, add pigtail extensions to them.

### WARNING

#### Fire and electrical shock hazards

This page provides important safety instructions; it is intended to supplement — not replace — the humidifier's Installation, Operation, and Maintenance Manual (IOM). Read the IOM that was provided with the humidifier before performing service or maintenance procedures on any part of the system. Failure to follow all warnings and instructions could produce the hazardous situations described here and in the IOM, resulting in property damage, personal injury, or death.

If the IOM is missing, go to [www.dristeem.com](http://www.dristeem.com) to download a replacement.

Improper installation, adjustment, alteration, service, maintenance, or use can cause fire, electrical shock, and other hazardous conditions. These hazardous conditions could cause personal injury, property damage, or death.

To prevent hazardous conditions, read all warnings; lock all power disconnect switches in the OFF position before removing any access panels; and consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use only factory authorized and listed kits or accessories when modifying this product.

**Note:** If literature shipped with the humidifier is not available, historical literature is available at [www.dristeem.com](http://www.dristeem.com).

DriSteem® humidifiers are warranted according to the terms and conditions of the standard two-year Limited Warranty effective when the humidifier was purchased. See the literature that was shipped with the humidifier for warranty information.

mc\_081308\_1405

6. Skip this step if the humidifier does not have the SSR option (see photo at right):  
Disconnect wire #434 from Vapor-logic version 3 terminal **34**, and connect it to Vapor-logic version 6 P19 terminal **+SSR**. Disconnect wire #435 from Vapor-logic version 3 terminal **35**, and connect it to Vapor-logic version 6 P19 terminal **-BL**.
7. Disconnect the wires from Vapor-logic version 3 terminals **1**, **3**, and **5**, and connect them to the following Vapor-logic version 6 P17 terminals: Connect wire #401 to **FILL**, #403 to **DRAIN**, and #405 **CT1**.
8. Disconnect wires #402, #404, #406, and #408 from Vapor-logic version 3 terminals **2**, **4**, **6**, and **8**. Tie them together with a wire nut and pigtail them to a single common that goes to a DIN rail terminal **C**.

**There are no dedicated common terminals on the Vapor-logic version 6 board.** That is why, in this step, the Vapor-logic version 3 commons get tied together with a wire nut. See the gray text box in Figure 3-1.

9. Disconnect the wires from Vapor-logic version 3 terminals **19** and **20**, and connect them to the following Vapor-logic version 6 P4 terminals: Connect wire #419 to **TT**, and #420 to  $\perp$ .
10. Disconnect wires #802 and #000 from Vapor-logic version 3 terminals **T1** and **T2**. If the terminals are not marked, see the photo at right. Connect the wires to the following Vapor-logic version 6 P1 terminals: Connect wire #802 to **24VAC** and #000 to  $\perp$ .
11. Connect a new wire to 24VAC (where wire #802 is already connected). Connect the new wire to P3 terminal **LW** and P4 terminal **lsw**.
12. *Humidifier with tap/softened water:*  
Disconnect the wires from Vapor-logic version 3 terminals **30**, **31**, **32**, **33**, and connect them to the following Vapor-logic version 6 P2 terminals: Connect wire #430 to **TOP**, #431 to **MID**, #432 to **LOW**, and #433 to  $\perp$ .

*Humidifier with the DI water option:*

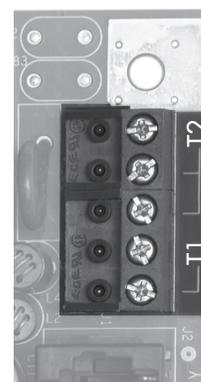
Disconnect the wires from Vapor-logic version 3 terminals **32** and **33**, and connect them to the following Vapor-logic version 6 P2 terminals: Connect wire #432 to **LOW** and #433 to  $\perp$ .

13. Skip this step if the humidifier does not have the SDU option (see bottom photo on this page):
  - Disconnect wire #407 from Vapor-logic version 3 terminal **7**, and connect it to Vapor-logic version 6 P16 terminal **SDU**.
  - Disconnect wire #810 from relay terminal **24**, cut off the connector, strip the end of the wire, and connect it (with wire #407) to Vapor-logic version 6 P16 terminal **SDU**.
  - Connect SDU **fan** wire #000 on the subpanel to common wires #402, #404, #406, and #408 that were tied together in step 8.
14. Remove the four keypad/display mounting screws (save the screws), and remove and disconnect the Vapor-logic version 3 keypad/display.
15. The kit was shipped with a Vapor-logic version 6 keypad/display. Plug one end of the existing display cable into the Vapor-logic version 6 board **DISPLAY** connection (shown in Figure 3-1), and plug the other end into the Vapor-logic version 6 keypad/display.
16. Install the Vapor-logic version 6 keypad/display using the screws from step 14.
17. External connections: Refer to the Vapor-logic version 3 wiring diagram and the Vapor-logic version 6 external connection requirements in the VL-1 wiring diagram shipped with the conversion kit.

Lower-right corner of Vapor-logic version 3 board



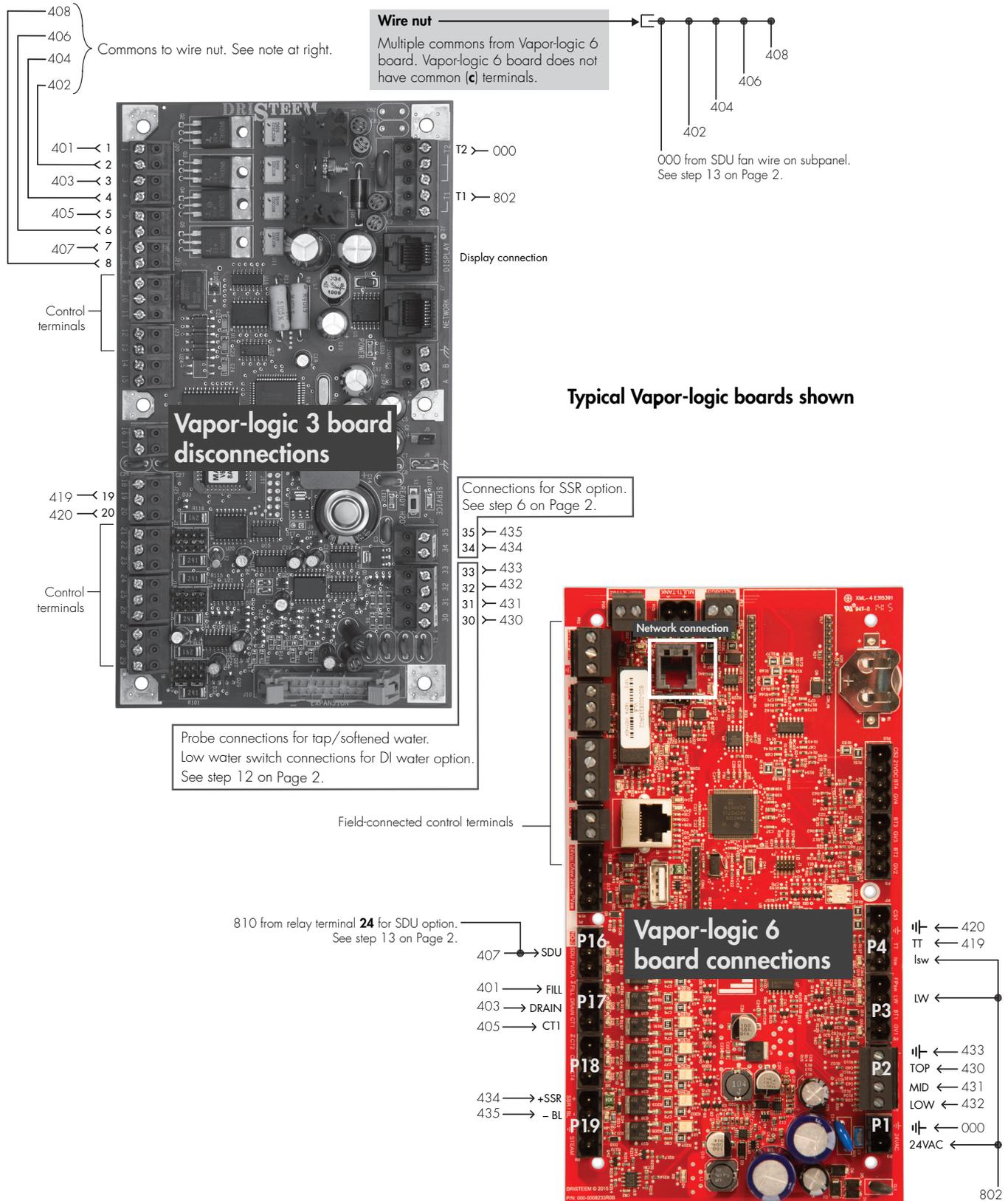
Upper-right corner of Vapor-logic version 3 board



Upper-left corner of Vapor-logic version 3 board



**FIGURE 3-1: VAPOR-LOGIC VERSION 3 BOARD DISCONNECTIONS AND VAPOR-LOGIC VERSION 6 BOARD CONNECTIONS**



**Expect quality from the industry leader**

Since 1965, DriSteem has led the industry with innovative methods for humidifying and cooling air with precise control. Our focus on ease of ownership is evident in the design of the Vapor-logic controller. DriSteem also leads the industry with a Two-year Limited Warranty and optional extended warranty.

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