

EXPANDED DAP4 CONVERSION KIT INSTALLATION INSTRUCTIONS

The purpose of this document is to guide the removal of obsolete Mini-DAP (I, II, or III) controllers from Data Aire evaporator ceiling equipment, and replacement with current controller model Expanded dap4.

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Disconnect all power to the unit. Use lock-out tag-out protection; use a multi-meter to verify no power is being distributed to the equipment.

1. Turn the unit power off.
2. Unplug the existing Mini-DAP (II & III) controller's cable.
3. Disconnect and remove the old wall-mounted controller display. If the controller model is a Mini-DAP III, remove the unit-mount control module along with its mounting brackets.
4. Disconnect the existing controller's cable from the terminal strips inside the electrical panel, and remove this cable from the unit.
5. Disconnect and remove the existing temperature and humidity sensor, which is either unit-mounted in the return air section or remote-mounted in the control space.
6. Mount the new Expanded dap4 controller outside the unit on skin panels of the unit where space is available. If the existing controller panel is a Mini-DAP III, mount the Expanded dap4 controller in the same location of the existing controller.
7. Route the Expanded dap4 cable through the same opening of the existing controller's cable to the unit's electrical panel. Connect the Expanded dap4 wiring harness to the existing unit's terminal strips. The wire numbers of the Expanded dap4 wiring harness should line up with the existing terminal strip's pin numbers. Refer to the conversion wiring diagram for wiring details.
8. Install the new remote-mount combination temperature and humidity sensor either to the same location of the wall-mount controller display or to the same location of the existing sensors. Otherwise the sensor will be replaced in the unit's return air section. Connect the temperature and humidity sensor to the Expanded dap4 controller (J2 and J3 connections). Refer to conversion wiring diagram for wiring details.
9. Install the remote wall-mount controller display to the same location of the existing Mini-dap display.



10. Connect the display module to the Expanded-dap4 controller (J10 connector) using the factory provided 35 ft. display cable. This cable looks similar to a telephone cable, but is not; do NOT replace it with a standard telephone cable. Route this cable along unit's frame, making sure the cable does not get pinched by the door or panels.
11. Check all the wiring connections before restarting the unit.
12. Turn the unit power back on, and wait about 30 seconds for the Expanded dap4 to go through its self-test. During this time, the backlit display will illuminate without text. After the self-test, the Expanded dap4 will display text. Press and hold the ESC key for 5 seconds to start the unit.
13. Check the Expanded dap4 for proper settings. Refer to dap4 IOM for programming details.