

# Discharge Air Controller (DAC)

## Update Advisory 1.04

The Discharge Air Controller (DAC) is a packaged HVAC control board for use either as a standalone controller or in zone control applications interfaced with a building control system. The DAC is capable of controlling heat and cool stages, fans, dehumidification devices, and economizers using on-board I/O and control algorithms, as well as monitor and interact with other building control systems and peripherals.

### What's New in the Discharge Air Controller Software Version 1.04:

Table 1: DAC Revisions and Description Matrix

Feature	Description	DAC User Manual P/N 026-1727 Reference Section
Indoor Air Quality (IAQ) and Outside Air (OA) Damper	During a CO <sub>2</sub> purge for IAQ, the OA damper can now be set to a maximum open position.	Section 7.7.1 Indoor Air Quality
Cooling/Dehumidification Load	If both cooling and dehumidification are called for, the larger of the two calculated loads will take priority and activate the proper mode of operation. A deadband is in place to prevent premature mode switches.	Section 7.2 Operation Modes
Dehumidification Control - Staging	Dehumidification staging will occur based on the calculated dehumidification load. Dehumidification load will be distributed proportionally across cooling stages based on the magnitude of the load and the number of available cooling stages.	Section 7.6.2 Dehumidifying Using Cool Stages
Dehumidification Control - Supply Air Reset	During dehumidification mode, reheat is supplied by an analog output that now modulates proportionally based on space temperature.	Section 7.6 Dehumidification Control and Section 7.6. 3.1 Supply Air Setpoint Reset
Dehumidification Control - Reheat Output	Reheat will activate according to the space temperature.	Section 7.6.3 Reheat Output

For more product information, scan the QR Code:



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