

ACxelerate™ v3.0 Commissioning Tool

ADD-ON FOR THE WEBCTRL® SYSTEM

PART # ACX-RENEW-C, ACX-RENEW-CDLR, ADD-ACX, AND ADD-ACX-R

Overview

The ACxelerate v3.0 auto-commissioning tool is an add-on for the WebCTRL (v9 or higher) building automation system that automates VAV commissioning workflows, helping reduce the manual effort required to test terminal units. Engineered to accommodate single-duct, dual-duct, and fan-powered (series and parallel) VAV terminal unit dampers and reheat valves, ACxelerate v3.0 has been shown to substantially reduce commissioning time. By reducing commissioning timelines from days or weeks down to hours, the tool helps teams streamline project handovers across a wide range of building applications.¹

Key Features and Benefits

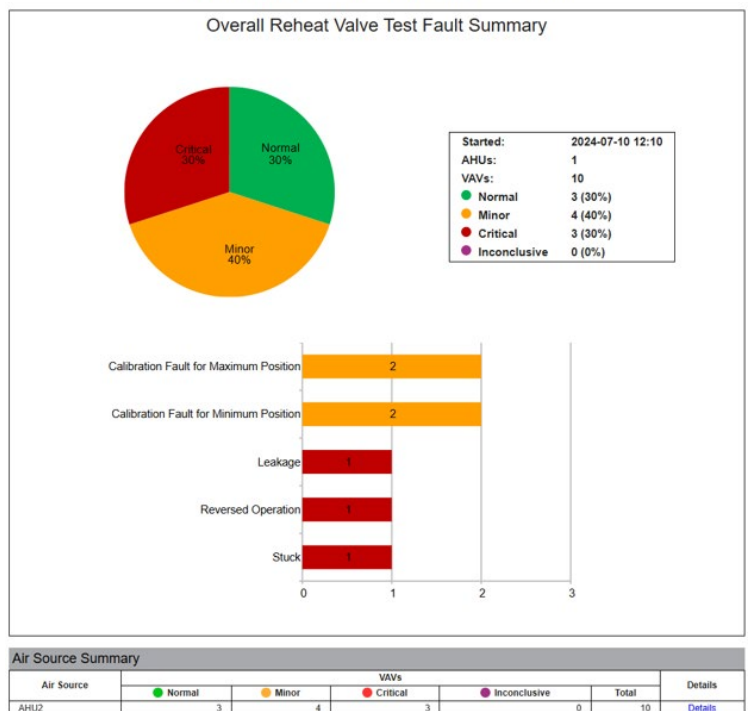
Accelerate Project Commissioning (Dealers & System Integrators): Helps reduce manual on-site commissioning effort by automatically discovering supported VAV boxes and associated AHU/RTU equipment, and automates functional testing of dampers and reheat valves to ensure proper operation.

Support Performance Validation (Specifiers & Building Owners): Simplifies performance verification by generating comprehensive reports that document system health, validate operational performance, and maintain a historical record of test results.

Verify System Performance Over Time (Facility Managers): After initial commissioning, facility teams can use ACxelerate on an ongoing basis to confirm that VAV system performance is maintained over time. Automated analysis and dashboard views highlight areas of concern, helping identify issues that may need follow-up to support comfort and system performance.

Sample exportable health report showing system status and fault locations for commissioning follow-up and ongoing performance verification.

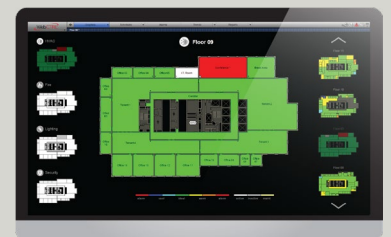
Reheat Valve Test Report - AHU2_group



¹ Field Demonstration of an Automated Building Commissioning Tool

WebCTRL®

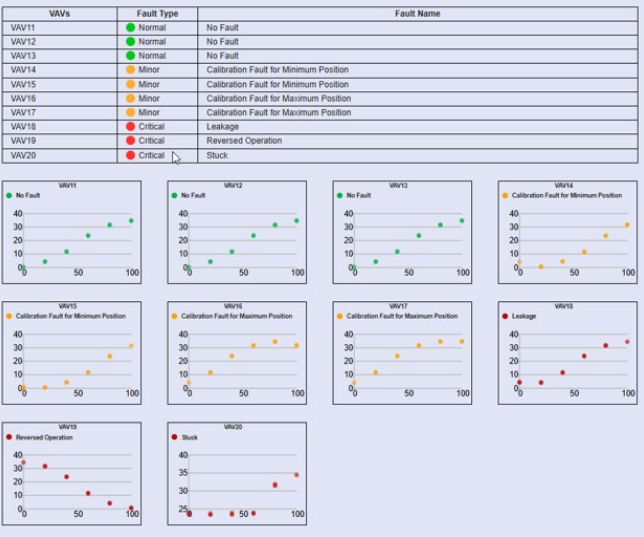
The WebCTRL building automation system gives you the ability to understand your building operations and analyze the results. Integrate environmental, energy, security and safety systems into one powerful management tool that helps you reduce energy consumption, increase occupant comfort, and achieve sustainable building operations.



What’s New in v3.0

- **Automated testing expanded:** Now supports fan-powered VAV boxes.
- **Historical test access:** View and re-run prior tests for faster validation.
- **Smarter equipment discovery:** Automatically identifies VAVs and associated AHU/RTU systems.
- **Improved UI/UX:** More intuitive setup and streamlined test execution.

The ACxelerate tool is designed to automatically detect, analyze, and categorize system faults so your team can prioritize maintenance where it matters most:



Normal	No Fault
Minor Faults	Starving (VAV box cannot reach its airflow setpoint) Over-Strokeing Maximum Airflow Error Minimum Airflow Error
Critical Faults	Leakage Stuck Obstruction Sensor Fault Minimum and Maximum Airflow Error (both detected) Reversed Operation Actuation Range Insufficient
Inconclusive	Data Inconclusive Further Diagnosis Required Test Aborted

Part #	Description
ACX-RENEW-C	WebCTRL Cloud: WebCTRL ACxelerate Cloud Subscription Renewal
ACX-RENEW-CDLR	WebCTRL Cloud: DEALER - WebCTRL ACxelerate Cloud Subscription Renewal
ADD-ACX	WebCTRL System Add-Ons - WebCTRL ACxelerate Subscription
ADD-ACX-R	WebCTRL System Add-Ons - WebCTRL ACxelerate Subscription Renewal