

# ACxelerate™ Commissioning Tool

Add-on for the WebCTRL® System



Part# ADD-ACX



The ACxelerate auto-commissioning tool is an add-on to the WebCTRL v7 building automation system (BAS), and can be used to commission single-duct, dual duct, and fan-powered (series and parallel) VAV terminal unit dampers and reheat valves. VAV terminal units are ideal for automated testing due to quantity, locations, and the difficulty in accessing them, whether the building is new, existing, low-rise or high-rise. The ACxelerate tool has substantially reduced commissioning time in all types of tested buildings.

## Key Features and Benefits

### Application Features

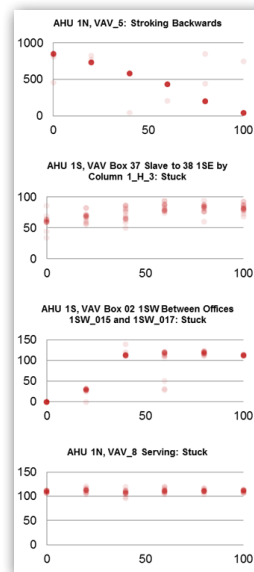
- Discovers VAV boxes and their cooling sources in a WebCTRL system
- Designs and schedules a set of functional tests that safely and automatically exercise VAV dampers and/or reheat valves in the mechanical system
- Analyzes the functional test results and generates a report that documents both healthy system operations and faults
- Displays all VAV functional test results and highlights failed and passed tests in an intuitive dashboard
- Exports report files in HTML or Excel format

### Supported Applications

The following applications include logic symbols to exercise VAV terminal unit dampers and reheat valves:

- Single-duct VAV
- Dual-duct VAV (one duct at a time)
- Fan-powered VAV for series and parallel fan configurations in occupied mode (ACx does not control or test fan operation)

## Faults that can be Automatically Detected and Analyzed



- Obstruction
- Over-Stroke
- Under-Stroke
- Leakage
- Stuck
- Sensor Issue
- Reverse-Stroke
- AHU Pressure Error
- Data Inconsistent
- Actuation Range Insufficient
- Data Insufficient
- Data Unavailable
- Expert Diagnosis Required
- Maximum Airflow Error
- Minimum Airflow Error



The WebCTRL® 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 allows you to reduce energy consumption, increase occupant comfort, and achieve sustainable building operations.

