

THE SMART ACTUATOR

To accurately control airflow and achieve sustainable room pressurization, the ideal variable air volume control device seamlessly blends with the native BAS infrastructure delivering adaptability, compatibility, and reliability.

The Smart Actuator leverages the accuracy and reliability of time-proven Phoenix Controls venturi valve technology in a streamlined high-speed actuator package to ensure performance complies with the facility's specifications.

Phoenix Controls valves with Smart Actuator control are designed to be plug-and-play. Engineered to deliver unparalleled performance with adaptable controls - an economically ideal solution for systems requiring dependable airflow and room pressurization control.

The Phoenix Controls Smart Actuator enables the BAS or a third-party controller to command the valve using a scaled 2-10 volt or 4-20 mA signal. The valve then moves to the required flow set point and generates an analog output signal to the BAS giving a precise reading of the new airflow value. For enhanced safety, a flow alarm can also be generated via an optional pressure switch.

The Smart Actuator Configuration Tool provides a software interface to view and adjust parameters if desired. With it facility technicians can implement customized signal scaling and see real time valve information. No formal training is required.

The unique combination of Phoenix Controls high-performance venturi airflow valves with the high-speed Smart Actuator gives facilities the flexibility to choose their own control methods and rely on the valve to deliver the performance, accuracy and reliability the facility demands to consistently and safely maintain critical airflow parameters, meeting energy-efficiency and sustainability goals.



- All of our venturi valves are characterized on NVLAP Accredited Airstations, Lab Code 200992-0. NVLAP is administered by the National Institute of Standards and Technology (NIST). This provides an unmatched level of accuracy and repeatability.
- Phoenix Controls valves are certified for HCAI (formerly OSHPD) Seismic Certification Preapproval
- Designed in a facility that operates a Quality Management System which complies with the requirements of ISO 9001:2015
- Warrantied against material and workmanship defects for a period of 5 years

FEATURES

HIGH-SPEED PRECISION

- 1 second speed of response
- Airflow control +/- 5% of set point

PLUG AND PLAY

- Factory default 2-10 volt command and feedback signals for immediate BAS connection
- Automatically switch command to 4-20 mA scaling by adding 500 ohm resistor

ADAPTABLE TO ANY BAS OR 3RD PARTY CONTROLLER

- Stable, accurate airflow
- Flow-command control reduces BAS programming time
- Flexible native temperature/zone controls

PHYSICAL HIGHLIGHTS

- Available with normally open/closed fail safe or to-last-position
- LED status indicators
- Reset and manual override buttons

SACT CONFIGURATION TOOL

- View present values
- Customize scaling
- Able to download/upload customized configuration settings

SMART ACTUATOR CONFIGURATION TOOL (SACT)

The SACT is a standalone software tool for users to view or customize the Phoenix Controls Tiered Solutions valve parameters. Settings can be saved, downloaded to a computer, then uploaded to other smart actuators if desired.

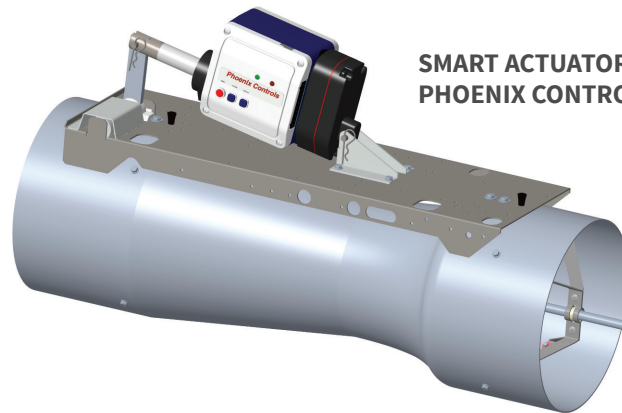
STATUS SCREEN

The Status screen displays a graphical representation of the actuator position and the most important real time information in user-selected display units.

- Command and Feedback Signals and Flows
- Output Voltage
- Alarms
- Status States



All information on this screen is read-only, and updated in real time.



SMART ACTUATOR AS INSTALLED ON PHOENIX CONTROLS VENTURI VALVE

For additional information contact your local Phoenix Controls representative or visit www.phoenixcontrols.com/howtobuy

