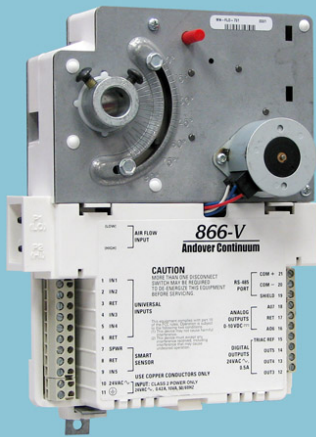


FEATURE BLAST



i2865/866/885-V VAV Controllers with Built-in Actuators

Product Description

Introducing the Andover Continuum –V VAV Controllers! These controllers are highly intelligent, low-cost VAV box controllers that come equipped with a built-in actuator to streamline hardware installation and save commissioning time. Universal inputs, an airflow sensor, Form A triac-based outputs, and an integrated damper actuator make these controllers perfect for VAV applications. The i2865/866-V models feature a room sensor input, which supports our Andover Continuum Smart Sensor, or any standard room temperature sensor.

Compatible with existing Andover Continuum VAV Controllers: i2865/866/885

Compatible with the original i2865/866/885 VAV Controllers, respectively, the –V VAV controllers are suited for new installations as well as existing Andover Continuum sites for expansion or direct replacement.

	b3865-V	b3866-V	b3885-V
Universal Inputs	4	4	2
Airflow Sensor	Yes	Yes	Yes
Smart Sensor Input	Yes	Yes	No
Form A Triac Outputs	3	3	2
Analog Outputs	-	2	-
Position Feedback	-	Yes	-
Integrated Actuator	Yes	Yes	Yes
Service Port	Yes	Yes	Yes
Wireless Option	Yes	Yes	Yes

The i286x–V models can be used as direct replacements for existing Continuum VAV controllers on all versions of Continuum and SX8000 installations. i2885-V units can be used as replacements on Continuum systems (v1.5 and up).

Upgrade and add to existing sites with ease.



Versatile Operating System

Flash your wired Infinet II –V VAV Controller to a Wireless Infinet II, wired BACnet, or Wireless BACnet –V VAV Controller in just one step. The –V VAV Series are the first Andover Continuum controllers to allow a change in the controller operating system with a simple firmware upgrade. The hardware model number doesn't change. For example, an 866-V will always be an 866-V, but through software that same 866-V can change in firmware from an i2866-V to an b3866-V-WL with one upgrade in the field. Identify your controller's version using two onboard LEDs (i.e. wired vs. wireless, BACnet vs. Infinet).

Flash your –V VAV Controller to the version that you need in just one, easy step.

Re-designed using TAC Actuator

This VAV Controller re-design allowed Andover Continuum to leverage TAC's in-house actuator – trusted and proven in all of TAC's VAV controller product designs. The integrated damper actuator allows simple direct mounting of the controller directly over the existing damper shaft. This eliminates the need for separate mounting, wiring, and positioning of the damper motor. Also, the actuator has a built-in clutch button to temporarily disengage the direct-drive gears during commissioning. The controller actuator may be preset for a limited range of motion using the mechanical "stops" provided.

Rely on a full TAC VAV Controller solution.

Feature Comparison

The –V VAV Controllers are a direct replacement for the existing VAV Controller models, and in many cases, an improvement over the current design. Refer to the table below for some featured comparisons.

Andover Continuum Feature Comparison	i2865/866/885	i2865/866/885-V
Orientation	Landscape	Portrait
Connectors	Fixed	Removable
Position Feedback	-	available on 866-V
Triac Wiring	Sync Only	Sync or Source
i2/b3 Conversion	-	Supported
Velocity Pressure Sensor		
Range	0-2" WC	0-1" WC
Resolution	0.005" WC	0.0013" WC
Accuracy	± 0.05" WC	± 0.05" WC
Filter	Required	Not Required
Actuator		
Make	Belimo	TAC
Model	LM-24	MN-FLO-701
Type	Brush	Brushless
Shaft	5/8"	1/2"
Torque	35 in-lb	53 in-lb
Speed for 90°	95s @ 60hz 114s @ 50hz	180s @ 60hz 216s @ 50hz
Signal	0-10VDC	0-10VDC

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