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**BACnet® Programmable VAV Controller**
**ASIC/3-6115 Features**

- Available with 0-2 airflow sensors
- 32-bit ARM9 processor
- RS-485 port ASI or BACnet MSTP communication
- Compatible with Intellifront, ASI WebLink & Niagara
- USB Host and USB Device Service Port
- 8 Universal 0-10Vdc Inputs
- 5 Binary Triac Outputs
- 2 Analog 0-10Vdc Outputs
- Supports WS-061 wall sensor

The ASIC/3-6115 BACnet programmable VAV controller combines the proven functionality of an ASI terminal controller with the full power of the ASIC/3 object-based system controllers.

The ASIC/3-6115 provides the full range of ASIC/3 software objects for developing custom control sequences, and support for the WS-061 wall sensor – all of which make this a powerful package for VAV applications. It has a switching power supply for AC operation and flash memory for program and data storage. Firmware is easily upgradable using ASI Visual Expert or by inserting a USB flash drive into the USB host port.

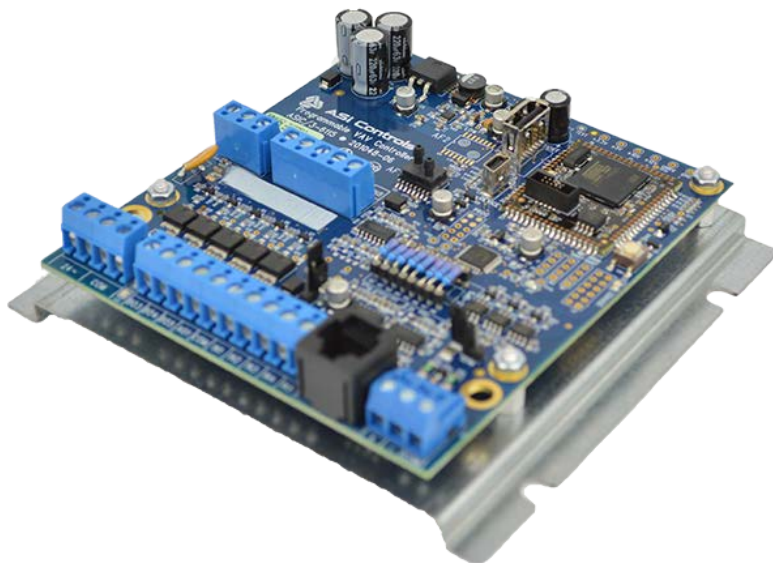
The controller is easily configured using ASI Visual Expert configuration software that links ready-made objects including scheduling, logic, PID control, alarming, optimum start, trending, run-time accumulation, and electrical demand management. The ASIC/3 has an on-board calendar clock and allows special events, holidays, and schedules to be defined in advance. Configuration data is stored in non-volatile memory that is retained through power system loss.

The ASIC/3-6115 controller has a RS-485 port that is used to network multiple ASIC/3 controllers via ASI protocol or can optionally support BACnet MS/TP. No central system is needed to supervise the controller. Red and green LEDs indicate the controller's receive and transmit communications.

The ASIC/3 can operate as part of a larger communicating control network. The ASIC/3 also features a full-speed 12 Mbps USB Device connection for service in the field. The RS-485 connection supports ASI protocol baud rates up to 38,400 bps, and standard BACnet MSTP baud rates up to 76,800 bps.



The controller can send notify messages through the RS-485 bus to a computer running ASI Weblink software. Temperatures, setpoints, and other controller data may be easily reported to ASI WebLink, Niagara, Intellifront, or other supervisory software.



The five 24 Vac triac outputs are ideal for driving contactors and relays. The two analog outputs are used for electronic pneumatic transducers, variable speed drives and other analog signal devices. The eight universal inputs counting pulses, monitoring contact closures directly, and for reading 4 to 20 mA, 0 to 5 Vdc or 0 to 10 Vdc input signals.



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**BACnet® Programmable VAV Controller**
**Specifications**
**Control Power**

Supply Voltage: 24 Vac +/- 15%, 50/60 Hz  
 Power Consumption: 16 VA (plus loads)

**Binary Outputs 5**

Type: 5 Binary solid state switch  
 Voltage rating: 24 Vac, 1 Amp, MOV protected  
 Maximum combined current not to exceed 3A

**Analog Outputs 2**

Rating: 0-10 Vdc, 20 mA at 10Vdc  
 Protection: TVS, 10 V, 600 W peak

**Inputs 8**

Type: Universal Analog/Binary  
 Range: 0 to 10 Vdc, 12 bit, 0.1% full scale  
 Temperature Sensor: WS-0X1, WS-061  
 3 kohm at 77 °F (25 °C)  
 Type 2 thermistor

**BACnet MS/TP Communications**

*BACnet is a registered Trademark of ASHRAE Inc.*  
 BACnet: BTL B-BC Certification  
 Format: RS-485  
 Baud Rate: 9600, 19,200, 38,400  
 or 76,800 Baud  
 Optional 120 ohm termination  
 Protection: 100 mA Polyswitch fuse

**ASI Communications**

Format: RS-485, Through Wall Sensor, or  
 USB device port  
 Baud Rate: Up to 38,400 baud

**Connections**

Power and I/O: Screw terminal  
 Communications: 3-position screw terminals  
 Zone Sensor: 8-position, modular jack, RJ-45  
 for use with ASI cable SCP-0XX

**Other**

USB power: 600mA maximum  
 Indication: 3 LEDs, Power, Communication  
 Terminal Torque: 0.5 Nm  
 Dimensions: 5.5" x 5.2" x 2.0"  
 140 mm x 132 mm x 51 mm 3.25"  
 Mounting Holes: 3.25" x 5.10" (0.25" dia)  
 83 mm x 130 mm (6 mm dia)  
 Weight: 0.55 lb (0.25 kg)  
 Operating Range: 45 °C maximum (+113 °F)  
 10 to 95% RH non-condensing



How to Order:	Order Number
BACnet Programmable Controller ( <i>one</i> airflow sensor)	ASIC/3-6115-MB
BACnet Programmable Controller ( <i>two</i> airflow sensors)	ASIC/3-6115-MB-DD
BACnet Programmable Controller ( <i>zero</i> airflow sensors)	ASIC/3-6115-PD-MB

Accessories:	Order Number
Wall Temperature Sensor	WS-0X1
Digital Display Wall Sensor	WS-061
Sensor Cable	SCP-0XX

Software & Documentation:	Order Number
ASI Expert Configuration Software	ASI Expert
ASIC/3-6115 Users' Manual	6115 Manual


**Assembled in the USA**
