

ASIC/3-6115VAV

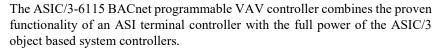
ASIC/3-6115 VAVDFA | ASIC/3-6115PD ASIC/3-6115PDDFA | ASIC/3-6115DD ASIC/3-6115DDDFA

BACnet® Programmable VAV Controller

ASIC/3-6115 Features

- 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
- Optional Integrated SMI Airflow Sensors





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 a software 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 an 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 analog outputs are used for modulated actuators, 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.





ASIC/3-6115VAV

ASIC/3-6115 VAVDFA | ASIC/3-6115PD ASIC/3-6115PDDFA | ASIC/3-6115DD ASIC/3-6115DDDFA

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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

Air Flow Sensor: 2; 6115-DD; 1:6115; 0: 6115-PD

No Filter Required

BACnet MS/TP Communications

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BACnet BTL 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: 500mA maximum

Indication: 3 LEDs, Power, Communication

Terminal Torque: 45 in-lb/5 Nm Dimensions: 5.9" x 8.9" x 2.5"

150 mm x 225 mm x 64 mm

Weight: 1.65 lb (0.75 kg)

Operating Range: 45 °C maximum (+113 °F)

10 to 95% RH non-condensing

How to Order:	Order Number
BACnet Programmable VAV Controller	ASIC/3-6115VAV
BACnet Programmable Dual Duct VAV Controller	ASIC/3-6115-DD
BACnet Programmable Pressure Dependent VAV Controller	ASIC/3-6115-PD
BACnet Programmable Direct Feedback VAV Controller	ASIC/3-6115VAVDFA
BACnet Programmable Direct Feedback VAV Controller	ASIC/3-6115PDDFA
BACnet Programmable Pressure Dependendt Direct Feedback VAV Controller	ASIC/3-6115DDDFA

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 USA