

ADDISON™

**Stand Alone Controller
Handheld Keypad/Display Panel
Room Sensor**



ALC Automated Logic Control

www.addison-hvac.com

Telephone: 407.292.4400

ADDISON™ 6126 STAND-ALONE CONTROLLER



The ADDISON™ 6126 is a general use controller that can be easily customized to meet various sequence of operation needs. Capable of operating in a 100% stand-alone control mode, the ADDISON™ 6126 can connect to a Building Automation System (BAS) using the four leading protocols. The point mapping to these protocols can be pre-set, so that the protocol and baud rates desired can be easily field-selected without the need for additional downloads or technician assistance. The ADDISON™ 6126 provides ample input/output capacity on the base controller, plus support for an expander board if additional input/output capacity is needed.

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ADDISON™ 6126 STAND-ALONE CONTROLLER

Design Features And Specifications

A. DESIGN FEATURES

- Up to 24 input/output points.
- Built in protocol support for BACnet, Modbus, N2 and LonWorks. (Note: LonWorks does require an additional plug in PC board.)
- Remote access support over the Internet/ Intranet or modem.
- Powerful, high-speed 16-bit microprocessor.
- The ALC controller on a 100% outside air unit utilizes a standard room sensor, outdoor temperature sensor and a leaving air (duct) temperature sensor.
- The ALC controller on a recirculating air unit utilizes a standard room sensor, room temperature humidity sensor, outdoor temperature sensor (only on recirculating units with economizer) and a leaving air (duct) temperature sensor.

B. SPECIFICATIONS

1. POWER

24 VAC ± 15%, 50-60 Hz, 20 VA power consumption (single Class 2 source only, 100 VA or less).

2. PHYSICAL

Rugged aluminum housing, removable screw terminals with custom silk-screening available.

3. ENVIRONMENTAL OPERATING RANGE

-40° F to 150° F (-40° C to 65.5° C); 10 to 95% relative humidity, non-condensing.

4. DIGITAL OUTPUTS

Six digital outputs, relay contacts rated at 5 A resistive @ 250 VAC; configured as dry contact, normally open or normally closed.

5. UNIVERSAL INPUTS

Twelve inputs, configurable for 0-10 V, RTD Therm Dry, or 0-20 mA Inputs 1 and 2 may be used for pulse counting.

6. ANALOG OUTPUTS

Six analog outputs; analog outputs 1 and 2 are configurable for 0-10 V or 0-20 mA; analog outputs 3 through 6 are 0-10 V only.

7. STANDARD COMMUNICATION PORTS

Port 1: Connect to an ARCNET only.

Port 2a: Configurable for EIA-232 or EIA-485 (2-wire or 4-wire).

Rnet port: Interface with ADDISONview, ADDISON™ room sensor, or local laptop.

Xnet Remote Expansion port: Connect to an ADDISON™6126 point expander.

8. OPTIONAL PLUG-INS

Ethernet - for local or Internet access to the controller.

9. STATUS INDICATION

Visual (LED) status of power, running, and errors. LED indicators for transmit/receive for Port 1 and Port 2a and for each of the 12 outputs.

10. BATTERY

Provides a minimum of 10,000 hours of data retention during power outages.

11. PROTECTION

Surge and transient protection circuitry for power and communications.

12. LISTED BY

FCC Part 15 - Subpart B - Class A. Pending listings at the time of publishing this document: UL 916 (PAZX), cUL C22.2 No. 205-M1983 (PAZX7), CE (1997).

13. WEIGHT

1 lb., 3 oz. (.5 Kg)

14. OVERALL DIMENSIONS

DIMENSIONS-INCHES		
WIDTH	HEIGHT	DEPTH
5	11-3/4	2*
DIMENSIONS-MILLIMETERS		
127	299	51*

*Recommended depth

15. MOUNTING HOLE DIMENSIONS

DIMENSIONS-INCHES	
WIDTH	HEIGHT
4	11 3/8
DIMENSIONS-MILLIMETERS	
102	289

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ADDISONVIEW HANDHELD KEYPAD/DISPLAY PANEL



Locally access controllers and operational properties or manage a small facility with the easy-to-use ADDISONview handheld keypad/display. It simply plugs into an Rnet connection and allows you to display and modify user-defined properties without computer software. The ADDISONview handheld features a numeric keypad, directional keys, and four programmable function keys. A large 4-line by 40-character backlit LCD display is provided for ease of reading, even in poor lighting conditions. The device also includes an alarm indicator light and audible warning. With a padded backing, rugged design and a convenient 6 foot cable that is part of the package, the ADDISONview handheld provides technicians with a powerful mobile tool for commissioning, troubleshooting, and maintenance.

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ADDISONVIEW HANDHELD KEYPAD/DISPLAY PANEL

Design Features And Specification

A. DESIGN FEATURES

- Can access controllers directly or by connecting to an ADDISON™ room sensor located in the controlled space.
- Backlit LCD display enhances reading, even in poor lighting conditions.
- No on-board memory. It simply displays the screen file that is loaded into the controller.
- Screen provides simple access to setpoints, status values, alarm history, and help.
- Intuitive navigation provides quick and easy access to relevant information.
- Password protection provides security.
- The ALC controller on a 100% outside air unit utilizes a standard room sensor, outdoor temperature sensor and a leaving air (duct) temperature sensor.
- The ALC controller on a recirculating air unit utilizes a standard room sensor, room temperature humidity sensor, outdoor temperature sensor (only on recirculating units with economizer) and a leaving air (duct) temperature sensor.

B. SPECIFICATIONS

1. POWER

Supplied by the Rnet port through the included cable (+12 VDC @ 250 mA).

2. PHYSICAL

Rugged aluminum enclosure and heavy-duty rubber backing for protection.

3. ENVIRONMENTAL OPERATING RANGE

32° F to 120° F (0.0° C to 48.9° C), 10%-90% relative humidity non-condensing.

4. BACKLIT LCD DISPLAY

4-line by 40-character display.

5. HARDWARE COMPATIBILITY

Controllers with Rnet capability.

6. STATUS INDICATION

LCD display with alarm LED indicator and audible horn.

7. PROTECTION

Provides 15KVESD protection to the enclosure.

8. LISTED BY

UL 916 (PAZX), CE, FCC Part 15 - Subpart B - Class A.

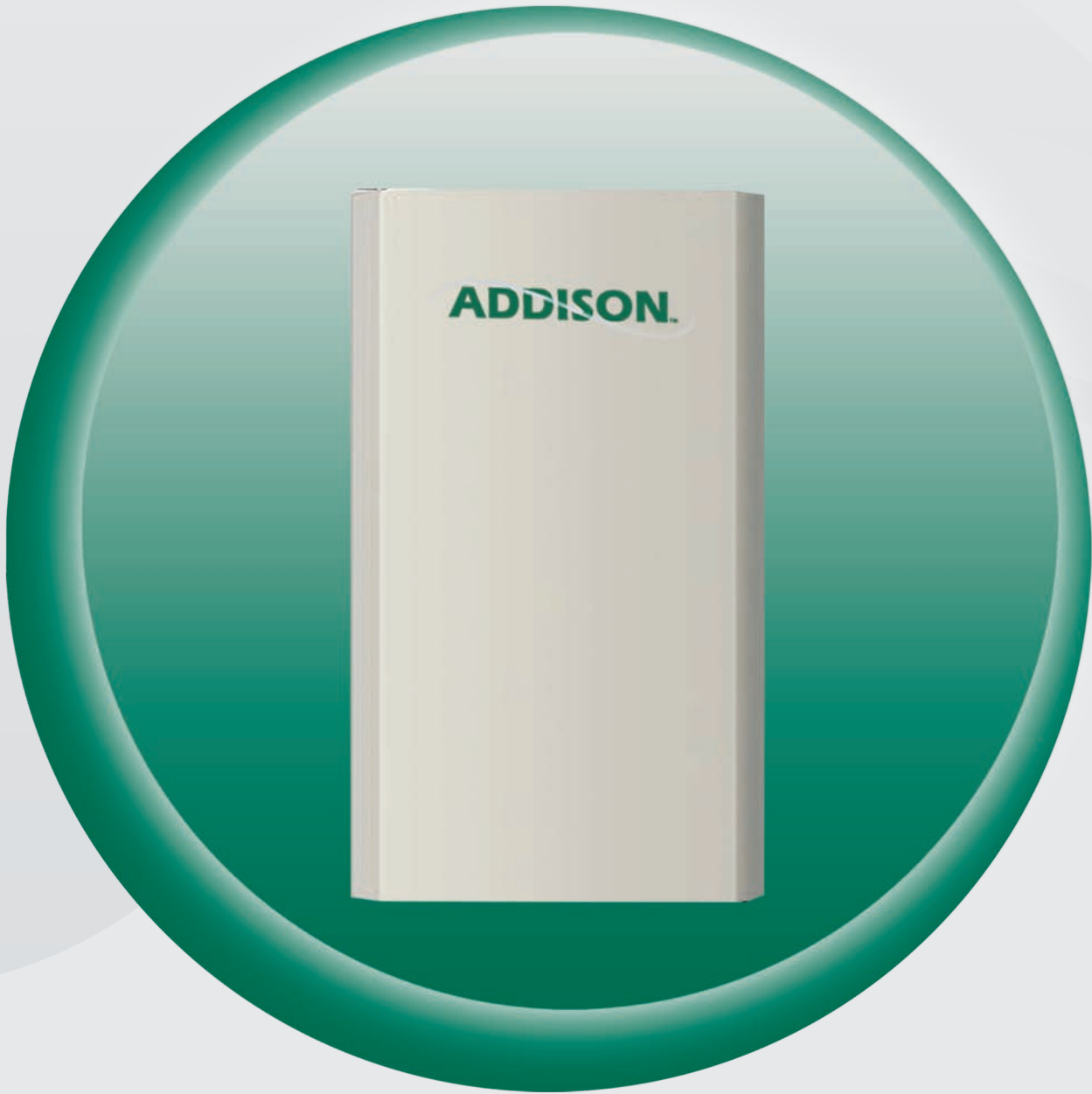
9. WEIGHT

1.2 lbs. (0.54 Kg)

10. OVERALL DIMENSIONS

DIMENSIONS-INCHES		
WIDTH	HEIGHT	DEPTH
9 5/8	4 15/16	1
DIMENSIONS-MILLIMETERS		
245	125	25

ADDISON™ ROOM SENSOR



For use with the ALC controllers, Addison's room sensor provides precision measurement and communication capabilities in an attractive, low profile enclosure. A hidden communication port provides access to equipment for commissioning and maintenance.

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ADDISON™ ROOM SENSOR

Design Features And Specifications

A. DESIGN FEATURES

- Attractive, low profile enclosure in a neutral color that complements various styles.
- Precise 10K ohm thermistor with + 0.36° F (0.2° C) standard accuracy and less than 0.18° F (0.01° C) drift over a ten year span – requires minimal maintenance or re-calibration.
- Hidden communication port allows a laptop computer or an ADDISONview keypad/display panel to be connected to the control system.
- Multiple room sensors can be daisy-chained to one controller for temperature averaging or high/low select control.
- Mounts on a standard 2 in x 4 in (50.8 mm x 101.6 mm) electrical box for easy installation.
- The ALC controller on a 100% outside air unit utilizes a standard room sensor, outdoor temperature sensor and a leaving air (duct) temperature sensor.
- The ALC controller on a recirculating air unit utilizes a standard room sensor, room temperature humidity sensor, outdoor temperature sensor (only on recirculating units with economizer) and a leaving air (duct) temperature sensor.

B. SPECIFICATIONS

- 1. POWER**
Supplied by the controller-24 VAC ± 15%, 50-60 Hz, 20 VA power consumption.
- 2. PHYSICAL**
Attractive, low profile plastic enclosure in a neutral color complements various styles.
- 3. ENVIRONMENTAL OPERATING RANGE**
32° F to 120° F (0.0° C to 48.9° C), 10%-90% relative humidity non-condensing.
- 4. LCD DISPLAY**
Large, easy to read digital display.
- 5. SENSING ELEMENT**
Precision Thermistor. Standard accuracy ±0.35° F (0.2° C). Less than ±0.18° F (0.1° C) drift over a 10 year period.
- 6. HARDWARE COMPATIBILITY**
All controllers with Rnet capability.
- 7. COMMUNICATION**
115 Kbaud Rnet.
- 8. LOCAL ACCESS PORT**
5 pin communications port for commissioning and maintenance of equipment.
- 9. MOUNTING**
Wall or panel mounting; remote mounting up to 500 feet. Standard 2 in x 4 in (50.8 mm x 101.6 mm) electrical box may be used.
- 10. WEIGHT**
0.1 lbs. (.05 Kg)

11. OVERALL DIMENSIONS

DIMENSIONS-INCHES		
WIDTH	HEIGHT	DEPTH
2 3/4	4 3/4	5/8*
DIMENSIONS-MILLIMETERS		
70	120	16*

*recommended depth

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THANK YOU FOR YOUR BUSINESS



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Installation Code and Quarterly Inspections: All installation and service of ADDISON™ equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Addison and conform to all requirements set forth in the ADDISON™ manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Addison recommends that a qualified contractor conduct quarterly inspections on your ADDISON™ equipment and perform service where necessary, using only replacement parts sold and supplied by Addison.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through ADDISON™ representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual. These products are not for residential use.

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