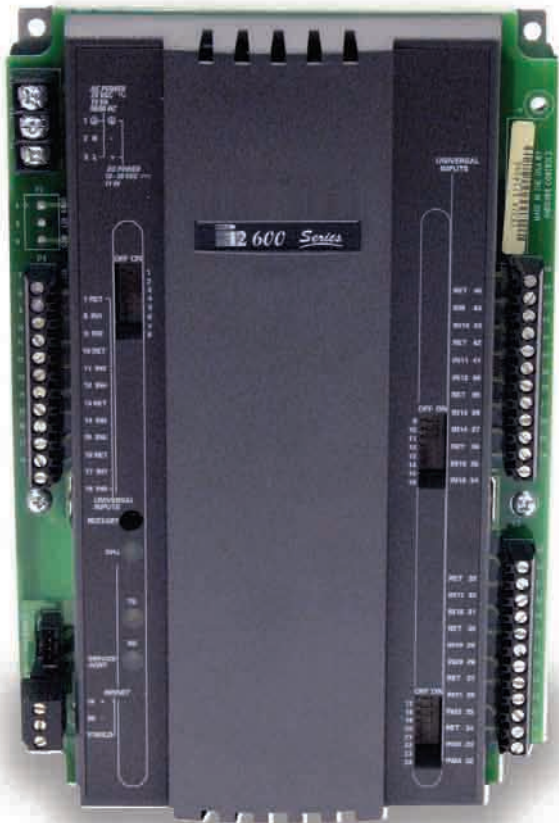


Andover Continuum™ Infinet II

i2600 Series Local

The i2600 Series controllers are designed for monitoring a small or large concentration of input points from a single controller.



Andover Continuum Infinet II i2600 Series Local Controllers Features



Choose the i2600 model with the input configuration that matches your application:

- The i2608, with eight universal inputs, is designed for stand-alone equipment monitoring for a small concentration of input points. This controller is also configurable for supervised input monitoring to determine broken wire detection or shorts. The i2608 is ideal for security applications (motion detection, glass break detection, intrusion detection) or traditional control applications (e.g. temperature, humidity).
- The i2624 provides the same functionality as the i2608 and in the same small footprint of the i2608, but with three times the number of input points (24) for monitoring various device signals. With the small footprint and high point count, the i2624 is ideal for large concentration of inputs, reducing the number of controllers required in the system, and decreasing cost, complexity, and maintenance requirements.

The i2600 Series also features Flash memory, increased user memory, and a fast (32-bit) processor for faster scan times, with plenty of memory available for data logging of your critical data.

The i2600 Series communicates with the entire Andover Continuum Infinet RS-485 field bus (i.e. both Andover Continuum Infinet and Andover Continuum Infinet II controllers) and is compatible with the Continuum CyberStation front-end. Up to 254 Andover Infinet devices can be networked to any Andover Continuum network controller.



PRODUCT AT A GLANCE

- Compact, Cost-Effective Input Monitoring Controller
- Powerful, Flexible System Controller for the Most Demanding Applications
- Ideal for Monitoring Small or Large Groups of Inputs in a Concentrated Area
- Universal Inputs Can be Configured as a Supervised Input for Monitoring Open Wires or Short Circuits
- Non-Volatile Flash Memory Provides Utmost Reliability – Stores Both Application Program and Operating System
- Local, Extended Storage of Log Data
- Local, On-Board Service Port



Andover Continuum Infinet II i2600 Series Local Controllers

Features (continued)

Increased Reliability with Flash Memory

The i2600's non-volatile Flash memory stores your operating system and application programs, so that in the event of a power loss, your application will be restored when power is returned. In addition, the Flash memory allows for easy upgrades of your operating system via software downloads, eliminating the need to swap out proms.

The i2600 Series controllers include an on-board battery to safeguard your runtime data — protecting all point data and log data from being lost if power is removed.

Inputs

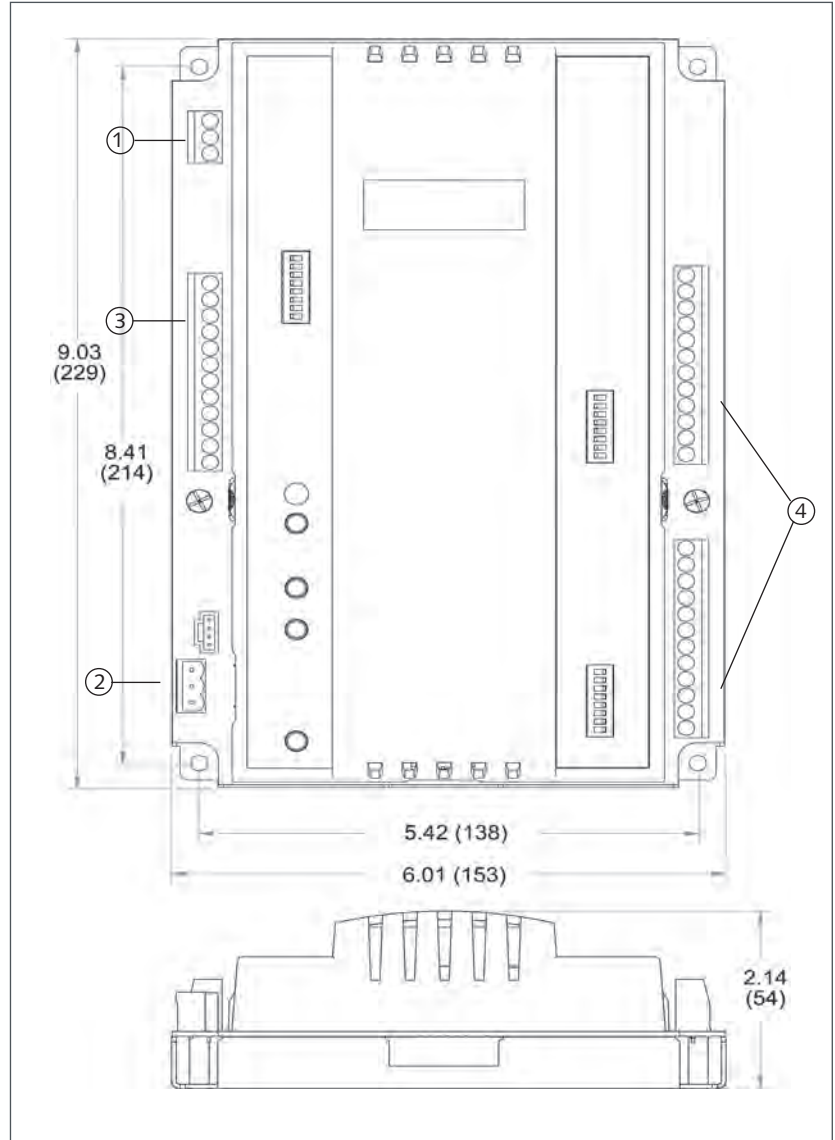
The input configuration on the i2600 Series consists of eight (or twenty-four) full range, 10-bit universal inputs that accept voltage (0-5VDC), digital (on/off), counter signals (up to 4Hz), temperature signals, or supervised alarm circuits for security applications or broken wire detection.

Software Capabilities

The dynamic memory of a i2600 controller can be allocated for any combination of programs, scheduling, alarming, and data logging using the powerful Andover Continuum Plain English™ programming language. Our object-oriented Plain English language with intuitive keywords provides an easy method to tailor the controller to meet your exact requirements. Programs are entered into the i2600 using the Andover Continuum CyberStation. Programs are then stored and executed by the i2600 controllers.

Programming multiple i2600 Series controllers is inherently easy with Plain English. A complete copy of one i2600 controller's programs can be loaded directly into other i2600 controllers without changing any point names or programs.

Dimensional Drawings

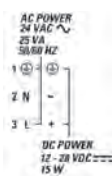


Andover Continuum Infinet II i2600 Series Local Controllers Features (continued)


Optional Wireless Andover Continuum Infinet

The i2600 Andover Continuum Infinet controllers can also communicate using a wireless mesh network. Simply plug Andover Continuum Wireless Adapters into the service ports of these controllers with wireless compatible firmware to create a wireless mesh network that sends and receives Andover Continuum Infinet messages.

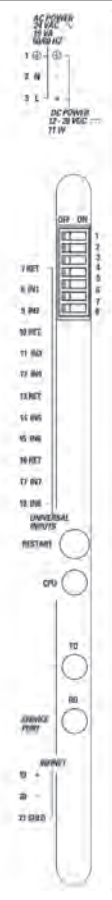
Dimensional Drawings



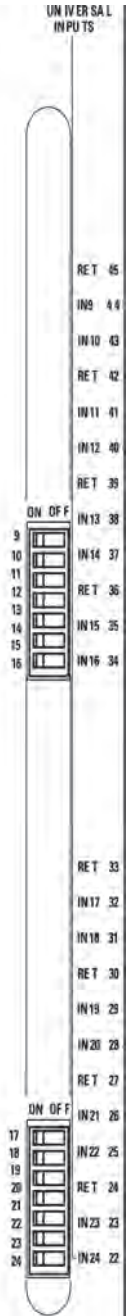
① Power Drawing



② Communications Drawing



③ i2608 and i2624 Input Drawing



④ i2624

Andover Continuum Infinet II i2600 Series Local Controllers Specifications

i2600 Series Local Controllers

Electrical

Power

24VAC, 12-24VDC - auto sensing, +10% -15%, 50/60 Hz

Power Consumption

25 VA

Overload Protection

Fused with 3 amp fuse. MOV protected

Software Real-Time Clock

Synchronized through Andover Continuum Infinet by network controller

Mechanical

Operating Environment

32°–120°F (0–49°C), 10–95% RH (non-condensing)

Size

9.03" H x 6.01" W x 2.14" D (229 H x 153 W x 54 D) mm

Weight

1.19 lbs. (.54 kg)

Enclosure Type

UL Open class, IP 10. Flammability rating of UL94-5V

Mounting

Panel mount

Battery

Battery Backup

Replaceable, non-rechargeable, lithium battery. Provides 5 years typical accumulated power failure backup of RAM memory

Communications

Communications Interface

Through Andover Continuum Infinet RS-485 field bus to network controller

Communications Speed

1200 to 19.2K baud

Bus Length

4,000 ft. (1,220m) standard for Andover Continuum Infinet, i2 Infilink module allows extension to longer distances and is required after every group of 32 units on the network.

Bus Media

Andover Continuum Infinet: twisted, shielded pair, low capacitance cable

RS-485 port for implementing Wireless

Andover Continuum Infinet II

connection, including:

Standard service port, four-position shrouded connector

Comm. Error Checking

International Standard CRC 16

Compatibility

Andover Continuum CyberStation Version 1.5 or greater

Inputs

Inputs

i2608: 8 Universal inputs
i2624: 24 Universal inputs
Voltage (0-5.115 VDC); Temperature -30°F to 230°F (-34°C to 110°C), Digital (on/off), Counter (up to 4Hz at 50% duty cycle, 125 ms min. pulse width). Supervised Alarm (single or double resistor). Current input (0 - 20 mA) using external 250 ohm resistor

Input Voltage Range

0-5.115 volts DC

Input Impedance

10K ohm to 5.120V or 5M ohm with pull-up resistor disabled

Input Resolution

5.0 mV

Input Accuracy

±15mV (±0.56°C from -23°C to +66°C or ±1°F from -10°F to +150°F)

Andover Continuum Infinet II i2600

Series Local Controllers

Specifications (continued)



i2600 Series Local Controllers

Connections

Power

3-position fixed screw terminal connector

Inputs

Inputs 1-8 (both i2608 and i2624):

12-position fixed screw terminal connector

i2624 only:

Inputs 9-16:

12-position fixed screw terminal connector

Inputs 17-24:

12-position fixed screw terminal connector

Communications

3-position removable screw

terminal connector

Service Port

4-position shrouded connector

User LEDs/Switches

Status Indicator LEDs:

CPU CPU Active

TD Transmit Data

RD Receive Data

Switches

RESET

Input Pull-up Resistor Switch (per input)

General

Memory

128K SRAM, 1MB FLASH

Processor

Motorola 32-bit Coldfire

Agency Listings

UL/CUL 916, FCC CFR 47 Part 15,

ICES-003, EN55022, AS/NZS 3548,

Class A, CE

Options

UL864, Smoke Control System Equipment,
UUKL (i2608-S, i2624-S)

Models

i2608

Infinet II i2608 Local Controller

i2608-S

Infinet II i2608 Local Controller with
Smoke-Control option

i2608-WL

Wireless Infinet II i2608 Local Controller

i2624

Infinet II i2624 Local Controller

i2624-S

Infinet II i2624 Local Controller
with Smoke-Control option

i2624-WL

Wireless Infinet II i2624 Local Controller

All brand names, trademarks and registered trademarks are the property of their respective owners. Information contained within this document is subject to change without notice.

On October 1st, 2009, TAC became the Buildings Business of its parent company Schneider Electric. This document reflects the visual identity of Schneider Electric, however there remains references to TAC as a corporate brand in the body copy. As each document is updated, the body copy will be changed to reflect appropriate corporate brand changes.

Schneider Electric One High Street, North Andover, MA 01845 USA Telephone: +1 978 975 9600 Fax: +1 978 975 9674 www.schneider-electric.com/buildings

SDS-I2600-A4.BU.N.EN.11.2007.0.00.CC

November 2007 pdw