

INFUSION CONTROLLER-1

Controllers



The InFusion IC24-1 and IC36-1 Controller using a Intel XScale Processor is one of the most powerful home system controller's available. The product features a fast processor and large memory capacity which provides delay free control of large complex systems. One InFusion Controller can support up to 120 WireLink stations and up to 120 RadioLink stations. Controllers can easily network to expand the system further. Five RS-232 ports provide easy device connectivity while an ethernet connection supports IP full connectivity.

A networked home, apartment complex or luxury yacht will have a variety of controlled subsystems, including lighting, audio/video, security and climate control. The InFusion Controller provides seamless integration of those subsystems - enhancing the entire home control experience.

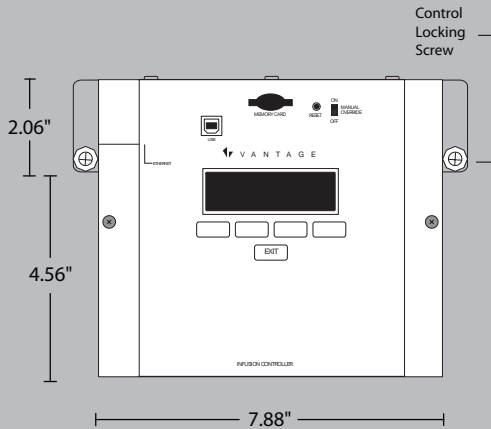


Product Highlights

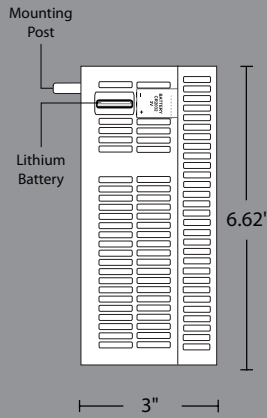
- Double the RAM and FLASH memory*
- Ethernet enabled
- Right Angle Ethernet Jack*
- Plug-and-play design
- 5 RS-232 ports
- 2 RS-485 ports
- 120 low voltage stations
- 120 wireless stations
- Tracks real and astronomical time
- Built-in USB port
- SD Memory Card for backup of programming
- Dramatically faster processor
- Supports up to seven enclosures per Controller
- Runs on upgradeable internal software
- 24VDC and 36VDC versions

*Compared to previous models

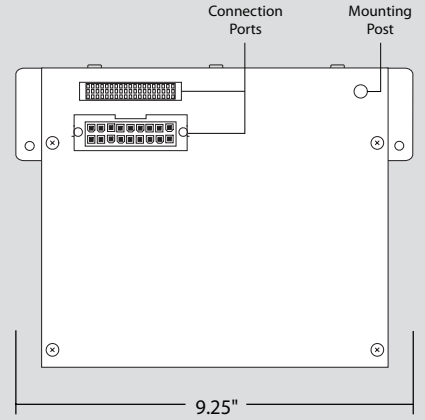
InFusion Controller-1



FRONT VIEW



SIDE VIEW



BACK VIEW

Specifications

Dimensions, HWD

6.62" x 7.88" x 3.0"
168mm x 200mm x 76mm

General Specifications

Model	IC36-1 and IC24-1
Ambient Operating Humidity	5-95% non-condensing
Ambient Operating Temperature	0-40°C / 32-104°F
Cooling	Convection
Dimensions HWD	6.62" x 7.88" x 3.0" (168mm x 200mm x 76mm)
Lithium Battery Backup	Disk battery CR2032, 3Volt 2.5 yrs. un-powered or 30 yrs. powered (field replaceable - see caution at end)
Max. # WireLink Stations IC24-1	Up to 50 Stations each bus or until the shared 35W supply is used
Max. # WireLink Stations IC36-1	Up to 60 Stations each bus or until the independent 60W supply is used on each bus
Max. Length of Each Controller to Controller Bus Network	2000 feet / 609 meters-Vantage spec. wire 1000 ft / 304 meters-CAT5 wire
Max. Wire From IC to SC	200 feet / 61 meters
Max. Wire Length Station Bus	2,000 feet of cabling max. on each station bus. No station more than 1,000 feet from Controller
Maximum Power Draw	200W
Minimum Power Draw	6W
Station Bus Power Supply, IC-24-1	One 35W shared power supply to both station buses
Station Bus Power Supply, IC-36-1	One 60W independent power supply to each station bus.
Station Bus Specification	2C 16AWG, non-shield, <30pF per foot Station Bus should be separated a minimum of 18" from other parallel communication and/or high voltage runs.
Voltage	120-240V, 50/60Hz
Weight	3.3 lbs -or- 1.5kg
Wire Configuration of Station Bus	Daisy Chain, Branch, Star
Wiring config. C2C, IC Network	Daisy Chain
Lightning / Surge Protection	Static Shock IO. All ports and case, IEC 61000-4-2, Low Voltage, ITU-T K.20

System Compatibility

InFusion