

INFUSION CONTROLLER LITE

| IC-DIN-II-LITE

Ethernet connected for mobile applications, remote programming, and integration

Controllers with BACNET-IP-IC firmware can directly integrate with BACnet® systems through controller IP connection

Single software tool for project design and programming

Supports wired, wireless, and hybrid systems

Plug-and-play design enables upgrade or replacement without re-wiring

Auto backup: full project file and 52 week updates on included microSD card

RF and non-RF versions available

Integral real and astronomical time clock

Multiple levels of network access to the system

ASHRAE BACnet

Description

The controller is the “main brain” of the system and is capable of supporting all Wattstopper user interfaces, including Equinox touchscreens. The InFusion Controller Lite possesses the required processor speed, RAM, and flash memory to meet the demands for delay-free control of integration systems.

While the system size may be smaller than projects with an IC-24-II or IC-36-II; user requirements will typically include control precision (where commands are completed instantaneously), real time feedback, a scalable system architecture, and programming for individual system personalization.

Most buildings incorporate a number of controlled subsystems including shades, comfort control, security, audio/video, and more. The InFusion Controller provides seamless integration of the subsystems, enhancing the entire control experience.

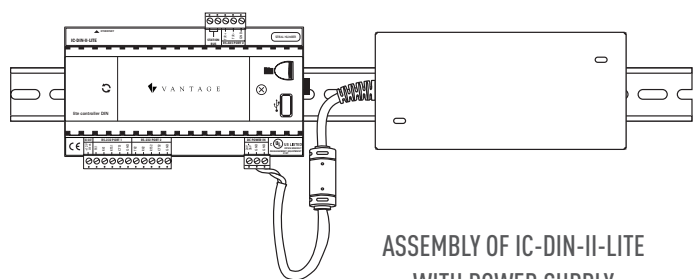
Operation

The InFusion Controller Lite is powered by an independent power supply, which also powers one station bus run. The IC-DIN-II-LITE uses a 36V (100W) power supply. One IC-DIN-II-LITE controller can support up to 20 WireLink stations or 15 Equinox 40 stations and up to 60 RadioLink stations. The system can be expanded by connecting to one additional IC-DIN-II-Lite or to IC-24-II or IC-36-II controllers.

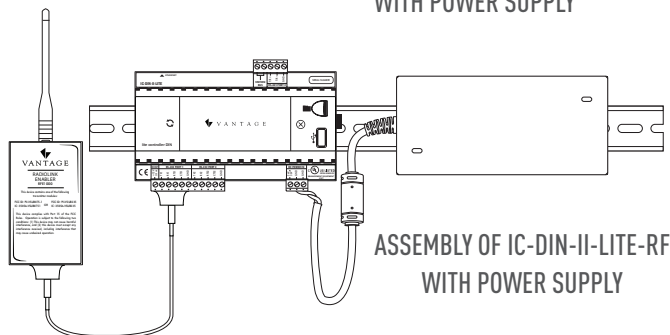
Two RS232 and one RS485 ports per controller provide third-party device connectivity, while an Ethernet connection supports IP-connected devices.

With the addition of the BACNET-IP-IC part number the IC-DIN-II-LITE provides the ability for the BMS system to have control and get feedback from the Wattstopper architectural dimming platform.

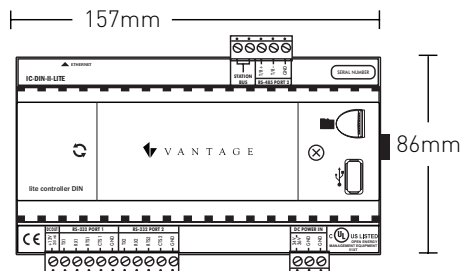
PROJECT		LOCATION/ TYPE	
---------	--	-------------------	--



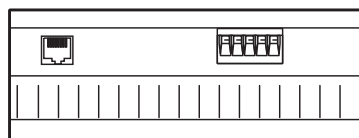
ASSEMBLY OF IC-DIN-II-LITE
WITH POWER SUPPLY



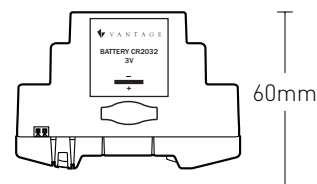
ASSEMBLY OF IC-DIN-II-LITE-RF
WITH POWER SUPPLY



FRONT VIEW



TOP VIEW



SIDE VIEW

Highlights

Remote programming and firmware updates via Design Center software allows the system being run by the InFusion controller to be updated offsite. This way, system updates can be made immediately without appointment. Programming the system is more convenient and more accurate with this feature. In addition, the on-board SD memory card, containing the full system program, allows for fast system recovery in the event of a controller failure.

Applications

The IC-DIN-II-LITE is ideal for smaller projects. It offers a very economical solution for meeting spaces, board rooms, theaters, small retail, restaurants, bars, classrooms, hotels, and much more. The IC-DIN-II-LITE is Title 24 compliant and is useful for any project that employs energy efficiency. Additionally, it is UL, CUL, and CE listed.

Features

- 35 mm DIN rail included for easy installs*
*Note: NEMA enclosure (not included) required. We recommend using the Wattstopper's LS-E12 DIN enclosure.
- Two RS232 ports
- One RS485 port
- One station bus run - 305m/1,000ft of cabling max; no station more than 152m/500 ft from controller
- Same programming features as standard IC-II controllers
- Up to 20 low voltage stations or 15 Equinox 40 stations
- Up to 60 wireless stations
- Up to 20 Ethernet stations
- Design Center software connection through the local or remote network
- No front panel display - interface through Design Center
- USB port (future features ready)
- Maximum two IC-DIN-II-LITEs per project
- Field upgradeable firmware and software
- Backup microSD memory card containing full system program and updates
- IC-DIN-II-LITE ships with DIN rail, power supply, and appropriate power cord per region
- IC-DIN-II-LITE-RF also ships with RF enabler (RFE1000) and cable
- Can be integrated with larger solution using standard IC-II controllers
- No additional hardware needed to connect LCAP panels to BACnet IP network
- The addition of BACNET-IP-IC provides the ability for the BMS system to have control and get feedback from the Wattstopper architectural dimming platform

Dimensions (LxWxD)

3.4" x 6.18" x 2.375"
86mm x 157mm x 60mm

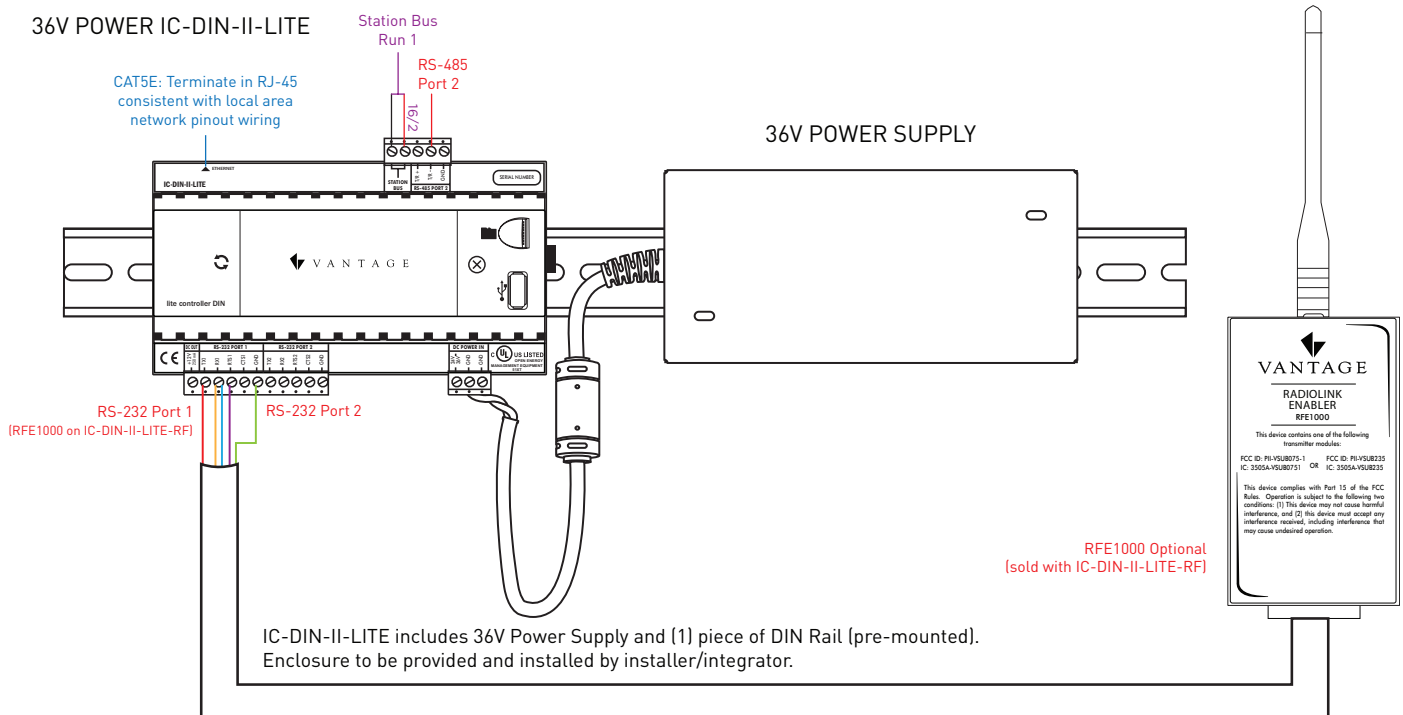
General Specifications

Models	IC-DIN-II-LITE IC-DIN-II-LITE-RF
Weight	417 g
Mounting	35mm DIN rail (EN 50 022: 1977)
Ambient operating humidity	5-95% non-condensing
Ambient operating temperature	32-104°F (0-40°C)
Cooling	Convection
Lithium battery backup	Disk battery CR2032, 3 Volt 2.5 yrs. un-powered or 20 yrs. powered (field replaceable)
Power requirement	36VDC/2.75A
Warranty	5 years

System Compatibility

The IC-DIN-II-LITE is compatible with IC-36-II or IC-24-II controllers
Maximum two IC-DIN-II-LITE controllers per project

Wiring Diagram



Ordering Information

Catalog #	Description	Voltage	Misc.
<input type="checkbox"/> IC-DIN-II-LITE	InFusion Controller DIN-II Lite - 36V	120-240V, 50/60Hz	Up to 20 low-voltage stations or 16 Equinox 40 stations Up to 60 available wireless stations (RF enabler required) Up to 20 ethernet stations Appropriate power cord for region
<input type="checkbox"/> IC-DIN-II-LITE-RF	InFusion Controller DIN-II Lite - 36V	120-240V, 50/60Hz	Up to 20 low voltage stations or 16 Equinox 40 stations Up to 60 available wireless stations Up to 20 ethernet stations RF enabler (RFE1000) and cable
<input type="checkbox"/> BACNET-IP-IC	BACnet-enabled IC-DIN-II-LITE controller		Enables two-way BACnet control of InFusion Controllers
<input type="checkbox"/> LS-E12	DIN Enclosure		For remote installation of IC-DIN Lite Controller