VANTAGE™

Vantage Lighting

Advanced Lighting Features For Today's Digital Lifestyle

lighting solution
overview

Architects and lighting designers have long understood the power of light and its ability to define, highlight, and transform a space. To manipulate lighting in such a way as to simultaneously evoke subtlety and complexity requires a serious understanding of its properties.

Lighting automation from Vantage provides professional designers with the tools to fully implement their designs, contractors with the powerful hardware to install and program, and users with the full enjoyment of their luxury spaces through intuitive interfaces.

Din InFusion Lighting Solution
IC-DIN-II, LVOS-0-10-PWM-DIN, ELDS4-1-DIN, EQ73TB-TI

The cornerstone products of Vantage's Din InFusion lighting system are the Din Controller, Standard Dimming Module and additional auxiliary lighting devices.

lighting
core products
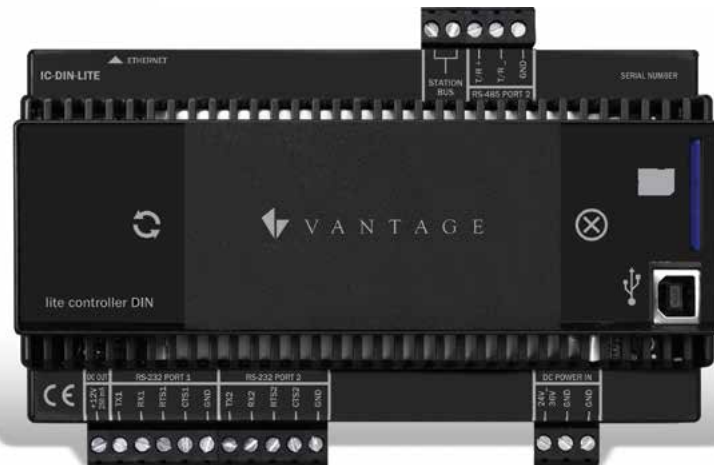

InFusion Controller - DIN
IC-DIN-II

The InFusion Controller II in the DIN format offers a wide variety of benefits, with increased processor speed, RAM, and flash memory. This controller meets the demand for delay-free control of large, complex systems. One InFusion Controller can support up to 120 WireLink stations. Controllers can easily network to expand the system to 31 controllers. Five RS-232 and two RS-485 ports provide easy device connectivity while an Ethernet connection supports IP connected products.

InFusion Controller - DIN - LITE
IC-DIN-LITE

The IC-DIN-LITE controller is a very cost competitive, entry-level solution for specific applications and is designed on the same platform as the current IC-DIN controller. It includes a fast processor, two RS-232 ports, memory capacity to support complex automation challenges, built-in Ethernet jack and USB port. One InFusion Controller DIN-LITE supports up to 20 WireLink stations or 16 EQ40s. It is designed to easily install on standard 35mm DIN rail.

dimming
technology

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Dimming Technology – From incandescent to LED light sources, Vantage systems are adept at controlling the widest range of light sources including support for forward and reverse phase source dimming requirements as well as low-voltage 0-10VDC, PWM and DMX control. Dimmer capacity is designed for both residential and commercial applications.

4 Load Dimming Module
ELDS4-1-DIN, SLDS4-DIN, ULDS 1-DIN

The Vantage ELDS4-1-DIN, Dimming Station is a 4 channel dimmer that connects to the Vantage Control System. It is powered from a local line feed, and communicates with the system through the Vantage 2-wire station bus.

On the top of the SLDS4-DIN, Standard Load Dimming Station are six contact inputs used to receive input from buttons, motion sensors, door contacts, stress sensors, and more. Connections five and six can also be used to connect a Vantage remote IR receiver and a Vantage LightPoint sensor respectively.

The Vantage ULDS 1-DIN, Universal Load Dimmer Station is a high power, single channel dimmer that connects to the Vantage Control System. It is powered from a local line feed, and communicates with the system through the two wire station bus. The dimmer can be controlled by any touchscreen, keypad, IR or timed event.

LED and PWM Low-Voltage Dimmer
LVOS-0-10-PWM-DIN

The 0-10 PWM Low Voltage Output Station-DIN is used for the control and automation of LED, CLF and CCFL lighting loads requiring either 0-10 or PWM for dimming control. Each LVOS DIN features eight 0-10 outputs with four that can be turned into PWM outputs. The LVOS DIN is firmware upgradable in the field through its station bus, has four dry contact inputs with two addtional override inputs and is powered by 13.8 to 36VDC. The dry contact inputs can be used with motion sensors, light sensors, pressure sensors, IR input, magnetic switches, and more.

lighting main
interfaces

Five buttons viewable, more on second level

Initiate scenes (on, off, toggle, macro)

Text color indicates scene activity

+/- Buttons and slider automatically drawn for dimmable scenes

Widgets

Widgets for Equinox are designed to work specifically with Vantage's dimming and motor control system, so using these core products will guarantee the best possible lighting experience.

Standard Keypad

Our unique family of keypads and faceplate styles enhance the capabilities of the Vantage system and also provide a key element to the user experience.

Equinox 73 LCD Touchscreen
EQ73TB-TI

The Equinox 73 touchscreen is a beautiful wall-mounted interface for the Vantage lighting and automation system. It features a full color, capacitive touchscreen and audio dashboard for quickly accessing all Vantage widgets.

Equinox 40 Digital Keypad and 41 Touchscreen
EQ40TB-TI and EQ41TB-TI

The Equinox 40 digital keypad and Equinox 41 touchscreen are beautiful wall-mounted interfaces for the InFusion lighting and automation system. They feature full color, capacitive touchscreens and dashboards for quickly accessing lighting, scenes, climate, music, and other Vantage widgets.

apps }

Equinox Apps
EQ-APP-5

The Equinox app and accompanying in-wall touchscreens epitomize the ideal user experience by providing a remarkably simple interface for managing luxury environments. With multiple system widgets available and three navigation levels,—the live dashboard, full-screen view, and edit mode—Equinox can dynamically personalize each iPhone, iPad, iPod touch, or mobile Android device for any profile.
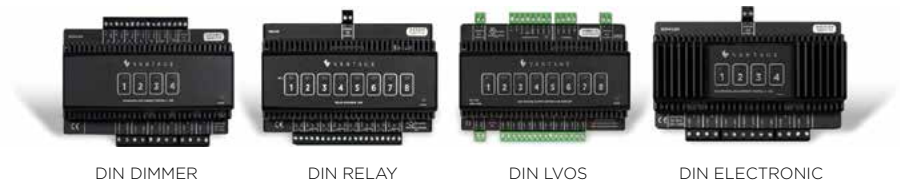
lighting
extra features

Expansion

Engineered for expansion, with one controller, the centralized lighting system allows for up to 28 modules and 336 loads. Multiple controllers (up to 31), each with its own seven enclosures, can be added together to create a super system.

Equinox Scene Widget

Gives visibility into the home's lighting system through the rich, graphical user interface without over complicating things. It's "always on" and will grow and adapt with you.

- Incandescent
- LEDs
- Halogens
- Magnetic Low-Voltage

| DIN DIMMER | DIN RELAY | DIN LVOS | DIN ELECTRONIC |

Variety and Flexibility

For those projects requiring DIN systems, Vantage provides multiple choices for dimming, high voltage and low voltage relays, contact input blocks, and more, the DIN system allows a high level of flexibility.

specifications

InFusion Controller - DIN
IC-DIN-II

Lithium Battery Backup

Disk battery CR2032, 3Volt

2.5 yrs. un-powered or 20 yrs. powered (field replaceable)

Maximums

Max Length of Each Controller to Controller Bus Network •
2,000 feet (609 meters) - Vantage specification wire
1,000 feet (304 meters) - CAT5 wire

Max # WireLink Stations 24V • Up to 50 Stations each bus or
until the shared 35W supply is used

Max # WireLink Stations 36V • Up to 60 Stations each bus or
until the independent 60W supply is used on each bus

Max Wire Length Station Bus • 2,000 feet of cabling
maximum on each station bus - No station more than 1,000
feet from Controller

Mounting

35mm DIN Rail (EN 50 022: 1977)

Power

36VDC/5.5A or 24VDC/2.5A

Listings

UL

CUL

CE

Station Bus Specification

2 Conductor, 16 AWG (1,5 mm^2) stranded, non-shielded twisted pair,
30 pF/foot (90m) max, UL rated CL2

Should be separate a minimum of 18" (46 cm) from other parallel
communication and/or high voltage runs

Station Bus Power Supply with 200W/36VDC/5.5A source • One
60W independent power supply to each station bus

Station Bus Power Supply with 60W/24VDC/2.5A source • One
35W shared power supply to both station buses

Wire Configuration of Station Bus • Daisy chain, branch, star

Wire Configuration C2C, IC Network • Daisy chain

Miscellaneous

Weight • .92 lbs (417 g)

Ambient Operating Humidity • 5-95% Non-Condensing

Ambient Operating Temperature • 32-104°F (0-40°C)

Manual Override • Load by Load Selectable

Cooling • Convection

Dimensions, HWD

3.4" x 6.18" x 2.375"

86mm x 157mm x 60mm

Lite Controller - DIN
IC-DIN-LITE

Lithium Battery Backup
Disk battery CR2032, 3Volt
2.5 yrs. un-powered or 20 yrs. powered (field replaceable)

Maximums
Max Length of Each Controller to Controller Bus Network •
300 feet (100 meters) - CAT5E wire
Max # WireLink Stations 36V • Up to 20 Stations or 16 EQ40s
on the bus - No station more than 1,000 feet from Controller

Mounting
35mm DIN Rail (EN 50 022: 1977)

Power Requirement
36VDC/2.75A

Dimensions, HWD
3.4" x 6.18" x 2.375"
86mm x 157mm x 60mm

Station Bus Specification
2 Conductor, 16 AWG (1,5 mm^2) stranded, non-shielded twisted pair,
30 pF/foot (90m) max, UL rated CL2
Should be separate a minimum of 18" (46 cm) from other parallel
communication and/or high voltage runs
Station Bus Power Supply with W/36VDC/2.75A source • One
60W power supply to station bus
Wire Configuration of Station Bus • Daisy chain, branch, star

Miscellaneous
Weight • .92 lbs (417 g)
Ambient Operating Humidity • 5-95% Non-Condensing
Ambient Operating Temperature • 32-104°F (0-40°C)
Cooling • Convection

System Compatibility
IC-DIN-LITE is only compatible with IC-1 controllers.
Per project use maximum two IC-DIN-Lite controllers and for larger
projects use IC-II controllers.

LED and PWM Low-Voltage Dimmer
LVOS-0-10-PWM-DIN

Input Power

13.8 - 36VDC

Power Consumption

15W

LED Indicators

Microprocessor Status, Configuration, Load

Low-Voltage Outputs

(0-10) Low-Voltage Outputs • 4
(0-10V @ 100mA Sink or Source)

PWM Low-Voltage Outputs • 4
Output Voltage • 12V (Source Only)
Output Current • 100mA Per Channel, 400mA Total

IEC 60929 Annex E Standard

Inputs

Auxiliary • 4 Dry Contacts

Override • 2 (On and Off Contacts)

Listings

UL

CE

Connections

Station Bus • 24V / 36V Station Bus

Station Equivalent InFusion • 0.35W on IC-24 / 0.55W on IC-36

Wiring Specifications

Can be wired using Station Bus

Station Bus Wiring • Minimum 2 conductor, 16 AWG (1,5 mm^2) stranded, non-shielded twisted pair, 30 pF/foot (90m) max, UL rated CL2

Station Bus Topology • Any combination of daisy chain or star or branch Station Bus should be separated a minimum of 18" (46 cm) from other parallel communication and/or high voltage runs

Miscellaneous

Weight • 2lbs 8oz (1.13kg)
Mounting • DIN Rail

Operating Ranges

Operating Humidity • 5-95% non-condensing
Operating Ambient Temperature • 0-35°C (32-95°F)
Typical Control Accuracy • ± 1°F at 68°F / ± 0.5°C at 20°C

Dimensions, HWD

Station Only	3.4" x 6.18" x 2.28"
	86mm x 157mm x 58mm
Wallbox	9.0" x 10.5" x 2.75"
	229mm x 267mm x 70mm

Equinox 40 Digital Keypad
EQ40TB-TI

Display
    4.3" Diagonal
    Active Matrix Color LCD

Features
    Up to 3 Swipable Pages
    Single Layer Mini-Widget UI

Controls
    Hard Buttons • 2 (1 Home, 1 Programmable)
    Header Mini-Widget (Climate, Clock, Weather)
    Scenes Mini-Widget
    Audio Mini-Widget

Sensors
    Proximity
    Light (for Screen Brightness)

Connections
    Station Bus • 1
    Auxiliary • 1

Wall Dimensions
    3.54"W x 4.72"H
    90mm W x 120mm H
    0.45"/ 11mm Off-Wall

Equinox 41 Touchscreen
EQ41TB-TI

Display
    4.3" Diagonal
    Active Matrix Color LCD

Features
    Single Layer Widget UI

Controls
    Hard Buttons • 2 (1 Home, 1 Programmable)
    Full Widgets:
    Audio, Climate, Scenes, Lighting, Weather,
    Video, Cameras, Security, Energy, Theater,
    Pool/Spa, Shades, Timers

Sensors
    Proximity
    Light (for Screen Brightness)

Connections
    RJ45 (PoE) • 1

Wall Dimensions
    3.54"W x 4.72"H
    90mm W x 120mm H
    0.45"/ 11mm Off-Wall

Equinox 73 Touchscreen
EQ73TB-TI

lighting full screen shown above

Display
    7.1" Diagonal
    Active Matrix Color LCD

Features
    Triple Layer Widget UI
    Live Dashboard
    Three Layer
    Profiles for Users, Spaces, Functions and Time
    Personalizable UI for Each User

Controls
    Hard Buttons • 2 (1 Home, 1 Programmable)
    Full Widgets:
    Audio, Climate, Scenes, Lighting, Weather,
    Video, Cameras, Security, Energy, Theater,
    Pool/Spa, Shades, Timers

Sensors
    Proximity
    Light (for Screen Brightness)

Connections
    RJ45 (PoE) • 1

Wall Dimensions
    8.54"W x 4.72"H
    217mm W x 120mm H
    0.45"/ 11mm Off-Wall

Equinox App - iPad

EQ-APP-5, EQ-APP-10, EQ-APP-X

dashboard shown above

Equinox App - iPhone

EQ-APP-5, EQ-APP-10, EQ-APP-X

scenes widget shown above

Compatibility

Apple, Android

Features

Triple Layer Widget UI
Live Dashboard
Three Layer
Profiles for Users, Spaces, Functions and Time
Personalizable UI for Each User

Controls

Full Widgets:
Audio, Climate, Scenes, Lighting, Weather,
Video, Cameras, Security, Energy, Theater,
Pool/Spa, Shades, Timers

Licensing

Device License: A device license allows a single
device to be connected to a Vantage system

Multi-License: A multi-license enables any
number of supported devices to function as
an interface when they are connected to a
single InFusion system

Compatibility

Apple, Android

Features

Triple Layer Widget UI
Live Dashboard
Three Layer
Profiles for Users, Spaces, Functions and Time
Personalizable UI for Each User

Controls

Full Widgets:
Audio, Climate, Scenes, Lighting, Weather,
Video, Cameras, Security, Energy, Theater,
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Device License: A device license allows a single
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number of supported devices to function as
an interface when they are connected to a
single InFusion system

Available on the **App Store**　Available on the **Android Market**

Available on the **App Store**　Available on the **Android Market**

related
products

In addition to the core products, a complete Vantage lighting solution will also contain the products listed below.

Mini Motion Sensor 360°	Mini Motion Sensor 360°	Light Motion Sensor 360°	2-Wire Station Bus	Equinox Apps
5X2,5 - FLUSHMOUNT	10X5 - FLUSHMOUNT	FL-LS/MS 360 (Soon Available)	VDA-0143	EQ-APP-5, EQ-APP-10, EQ-APP-X

VANTAGE