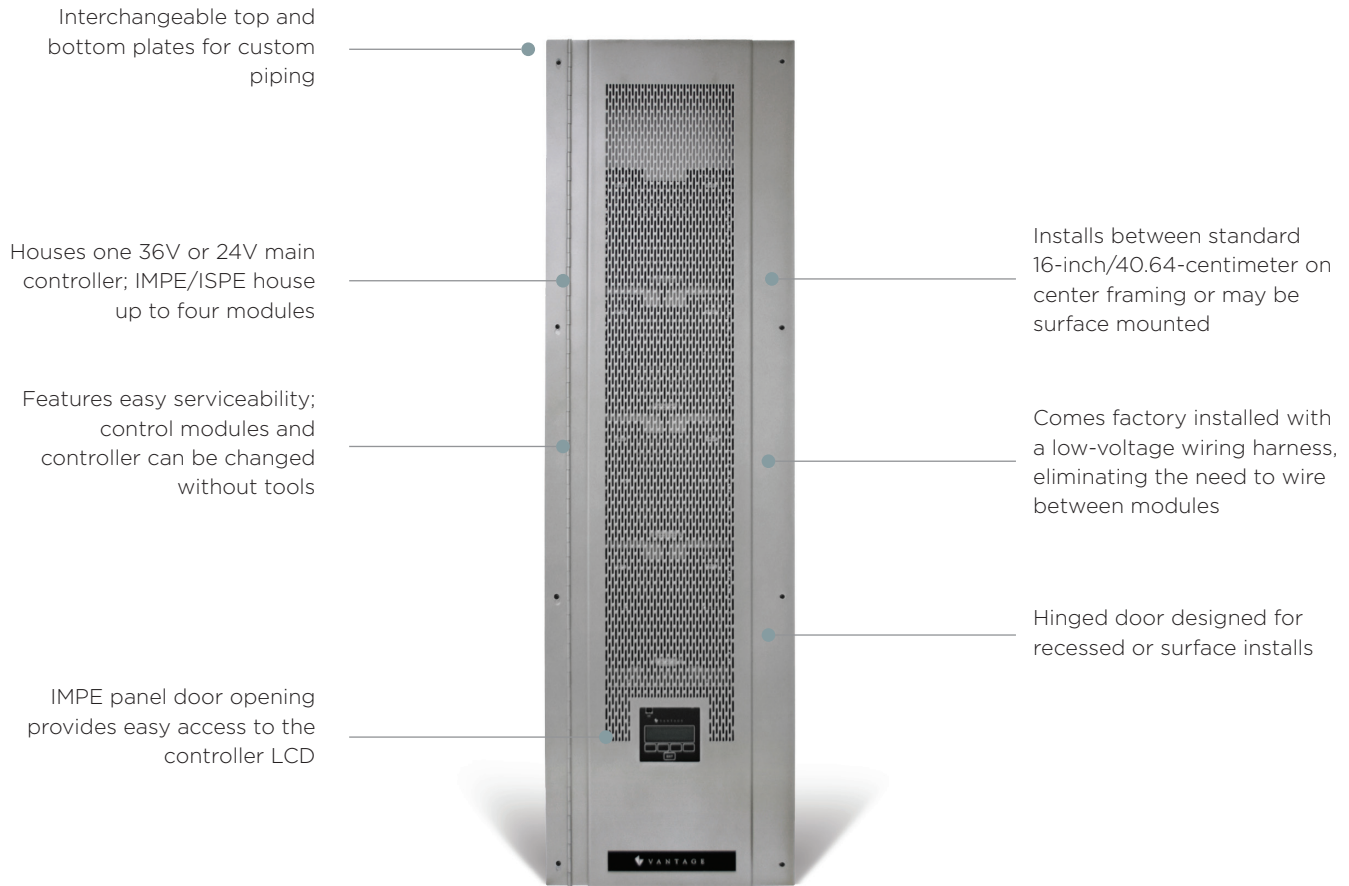




INFUSION MAIN and SECONDARY POWER ENCLOSURE

infrastructure & enclosures

IMPE-X-IC36/IMPE-X-IC24/ISPE-X-IC



product overview

description

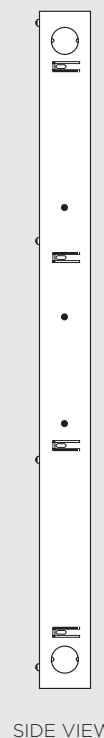
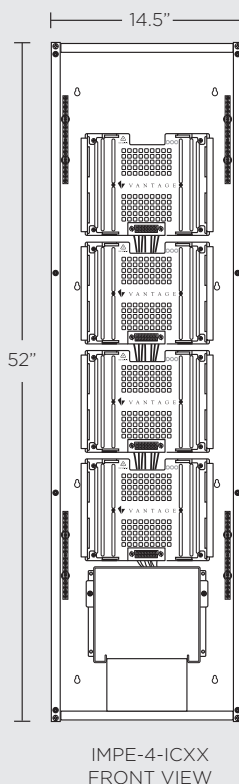
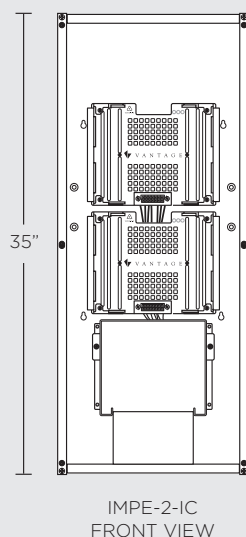
The InFusion Main Power Enclosure (IMPE) houses the InFusion Controller and two or four separate control modules. The InFusion Secondary Power Enclosure (ISPE) economically extends the load capacity of the Vantage System, extending system capacity from the Main Power Enclosure (IMPE). Up to six Secondary Enclosures can be connected to one Main Power Enclosure and thereby one InFusion Controller. This adds up to an additional 288 loads for a single Controller.

The enclosures features module locking mechanisms for improved in-field plug-and-play installation and service, allowing modules to be quickly replaced without affecting load connections to the system. With a custom fitted hinged door for recessed or surface installs, installers have easier access to the controllers and modules. The Enclosure is a key component to Vantage's centralized lighting control solution.

operation

The four module enclosure has the capacity for 32 line feeds with up to 256 amps, over 30K dimmable watts (at 120V) 71K watts (at 277V). It is easily mounted between 16" o.c. studs. The enclosure's electrical compatibility includes 120 - 277 VAC and 50 or 60 Hz. The enclosure is backward compatible with installed Q and InFusion Systems and forward capable with Vantage's enhanced modules.

PROJECT	
LOCATION/TYPE	



highlights

An opening in the panel door (IMPE only) allows easy access to the controller, and the hinged door makes recessed or surface installs simple and painless. Additionally, the plug-and-play feature allows installers the ability to quickly resolve resource conflicts, making this enclosure perfectly designed for ease of operation.

features

- IMPE houses one main controller and up to two (IMPE-2) or four (IMPE-4) modules; ISPE houses up to two (ISPE-2-IC) or four (ISPE-4-IC) modules.
- Features plug-and-play fittings for tool-less replacement of all modules and controller• IMPE models include an opening in the panel door, providing easy access to the controller
- Comes factory installed with a low-voltage wiring harness, eliminating the need to wire between modules
- Installs between standard 16-inch/40.64-centimeter on center framing or may be surface mounted

applications

The InFusion Main Power Enclosures provide the mounting infrastructure for any project using an InFusion controller and between two and four separate control modules. The Secondary Power Enclosure provides the mounting infrastructure for between two and four separate control modules in up to 5 additional enclosures per controller. Their ability to house all InFusion equipment in a code compliant and easily accessible manner make the IMPE/ISPE enclosures ideal for any application. Furthermore, their easy-to-access capabilities make them a desirable model for simple installation and serviceability.

- Hinged door designed for recessed or surface installs
- Allows visual diagnostics of enclosure components through ventilation slots in the cover
- Enclosure terminal boards are available for new modules as well as legacy modules
- Terminal boards must be specified when ordering - when terminal boards are ordered separately, they include dedicated screw terminal conductors for line feed and load attachment

specifications

Dimensions (HWD)

Model InFusion	IMPE-2-IC36 IMPE-2-IC24 ISPE-2-IC 35" x 14.5" x 4" 88.9cm x 37cm x 10cm	IMPE-4-IC36 IMPE-4-IC24 ISPE-4-IC 52" x 14.5" x 4" 132cm x 37cm x 10cm
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General Specifications

Weight	29 lbs (13.1 kg)	42 lbs (19.1 kg)
Number of modules	Up to 2	Up to 4
Line feed terminals	Up to 16	Up to 32
Load terminals	Up to 24	Up to 48
Neutral terminals	Up to 33	Up to 65
Ground bar terminals	Up to 36	Up to 72
Electrical compatibility	120-277 VAC, 50/60 Hz	120-277 VAC, 50/60 Hz
Pre-assembled	Yes (less module terminal boards)	Yes (less module terminal boards)
Cover	Vented, hinged	Vented, hinged
Ambient operating temperature	0-40° C (32-104° F)	0-40° C (32-104° F)
Ambient operating humidity	5-95% non-condensing	5-95% non-condensing
Wire	Copper wire only	Copper wire only
Wire insulation (minimum)	80° C (176° F)	80° C (176° F)
Ventilation	Maintained 36" frontal clearance	Maintained 36" frontal clearance
UL, CE, and CUL listed	Yes	Yes

System Compatibility

InFusion

Ordering Information

CATALOG NO.	DESCRIPTION	VOLTAGE	MISC.
<input type="radio"/> IMPE-2-IC36	InFusion Main Power Enclosure - 36V - 2 Module	120-277V, 50/60Hz	Up to 50 stations per bus
<input type="radio"/> IMPE-4-IC36	InFusion Main Power Enclosure - 36V - 4 Module	120-277V, 50/60Hz	Up to 40 Equinox 40 stations per bus Up to 50 stations per bus
<input type="radio"/> IMPE-2-IC24	InFusion Main Power Enclosure - 24V - 2 Module	120-277V, 50/60Hz	Up to 40 Equinox 40 stations per bus Up to 50 stations per bus
<input type="radio"/> IMPE-4-IC24	InFusion Main Power Enclosure - 24V - 4 Module	120-277V, 50/60Hz	Up to 40 Equinox 40 stations per bus Up to 50 stations per bus
<input type="radio"/> ISPE-2-IC	InFusion Secondary Power Enclosure - 2 Module	120-277V, 50/60Hz	
<input type="radio"/> ISPE-4-IC	InFusion Secondary Power Enclosure - 4 Module	120-277V, 50/60Hz	
<input type="radio"/> blank-endcap	Enclosure with no knockouts on top or bottom		
<input type="radio"/> 103426-01	Enclosure high voltage divider wall		

diagram: typical 36V/24V terminal board

Electrical contractor to provide (1) 120V circuit input to the controller (not to be shared with lighting loads). Wire gauge and breaker rating to be determined by electrical contractor, considering 200W maximum power draw per controller.

TERMINAL BOARD PART #: VSUB215 (Pre-Installed in Main Enclosures)

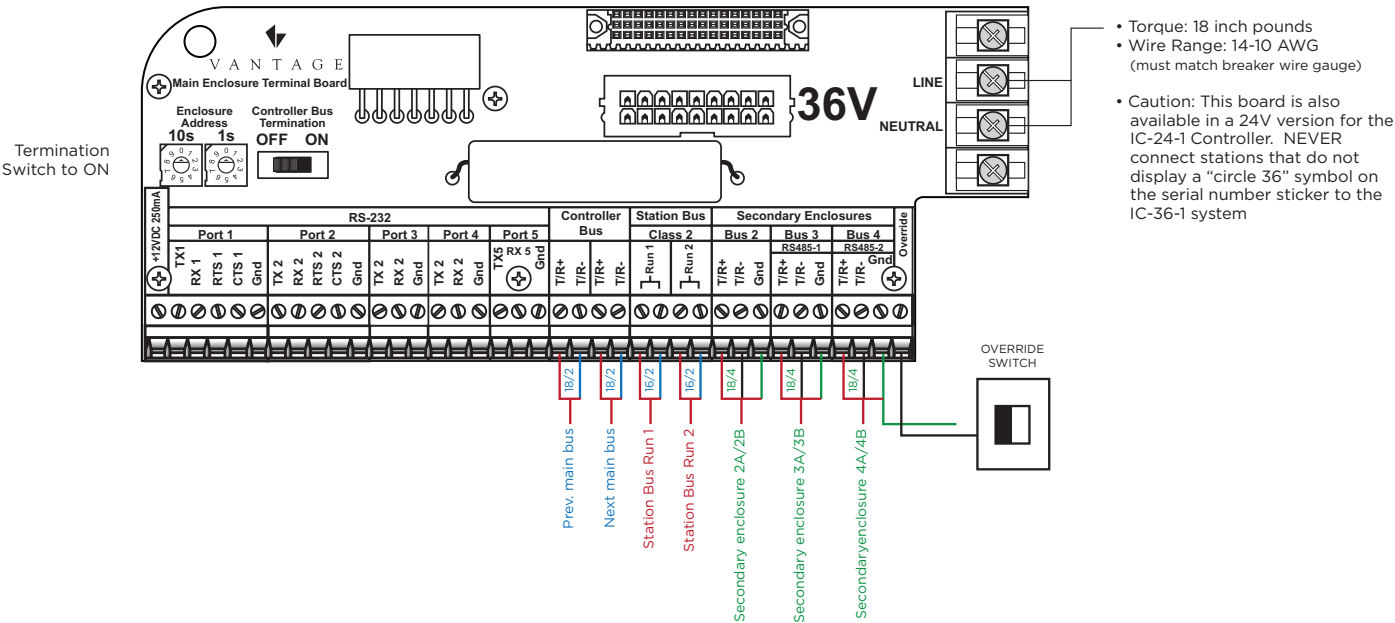


diagram: typical 36V/24V secondary terminal board

Example of a secondary panel setup with 1 main enclosure and 2 secondary enclosures. All wire is 4C 16-18AWG.

