

EchoConnect Station Power Supply Design Guide



Echo Control Products

Inspire 1 Button



Count:

Inspire 2 Button



Count:

Inspire 4 Button



Count:

Inspire 6 Button



Count:

Inspire 8 Button



Count:

Inspire 4 Btn Fader



Count:

5/10 Button Preset



Count:

Keyswitch Station



Count:

Dual Tech 1 Button



Count:

Dual Tech 2 Button



Count:

PIR Occupancy
Vacancy Sensor



Count:

Light Sensor



Count:

Dual Tech
Ceiling Sensor



Count:

Dual Tech
Wall Sensor



Count:

EchoAccess
Interface



Count:

TimeClock



Count:

Contact Interface
Input



Count:

Demand Response
Interface



Count:

BACnet Interface



Use PoE
Count:

Integration
Interface



Use PoE
Count:

Echo Output Products

*Includes optional power supply; see next page for details

1 Zone Relay
Controller Gen2



Count:

2 Zone Relay
Controller Gen2



Count:

1 Zone 0-10V
Controller Gen2



Count:

2 Zone 0-10V
Controller Gen2



Count:

1 Zone SmartSpace
Controller Gen2



Count:

2 Zone SmartSpace
Controller Gen2



Count:

120V 600W
Dimmer Gen2



Count:

277V 600W
Dimmer Gen2



Count:

4 Zone Room
Controller Gen2*



Count:

8 Zone Room
Controller Gen2*



Count:

4 Zone RC
w/ TC Gen2*



Count:

8 Zone RC
w/ TC Gen2*



Count:

DRd With Echo*



Count:

Echo Relay Panel
Feedthrough*



Count:

Echo Relay Panel
Mains Feed*



Count:

SensorIQ*



Count:

Sensor3*



Count:

EchoDIN CE*
(CE Projects Only)



Count:

DMX Scene
Controller



Count:

Echo-Echoflex
Interface



Count:

Contact Output
Interface



Count:

EchoTouch Mk2
Controller



Use PoE
Count:

Echo Power Supplies

Standalone Power Supplies

E-SPS



Count:

E-APS
(Aux Power Only)



Count:

E-SPM-A



Count:

E-SPS-DIN



Count:

Echo Power Controllers With Power Supplies

Room Controller



Count:

Echo Control
Processor



Count:

CEM3



Count:

Echo System Summary

System Requires:

Power Supplies Provide:

Echo Expansion Bridge

Total Echo Control Products:

Total Echo Output Products:

Total Auxiliary Power Draw:



Use PoE

Echo System Status

Project Information

Project Name:

Project Location:

Date:

Designed By:

Notes:

Echo Frequently Asked Questions

Q: EchoConnect power supplies are measured in “U”s. What’s a “U”?

A: A “U” is a unit of power measurement. A unit counts as one control product and one output product. For example, a 6U power supply would power 6 control products and 6 output products.

Q: When should I use a 6U vs a 16U power supply?

A: If you have more than 6 control products (stations, sensors, access, etc.) or more than 6 output products (zone controllers, panels, DMX Scene, etc.)

Q: When do I need Aux power?

A: If you have a TimeClock, EchoAccess, DMX Scene Controller, Echo-Echoflex Interface, Echo Contact Interface, BACnet Interface, Integration Interface, Echo Expansion Bridge or EchoTouch you need an Aux power unit.

Q: Do I have to use ETC’s EchoConnect Station Power Supplies?

A: Yes. An EchoConnect power supply is required in all Echo systems.

Q: Do I have to use ETC’s 24V Aux for auxiliary Power?

A: No. Any 24 volt power supply will work. It is not required to be provided by ETC but it is required by the products.

Q: What does it mean that EchoAccess is a bonus power-wise?

A: The first EchoAccess in a system does not count against your power supply count. So you can have 7 stations on a 6U power supply if one is an EchoAccess station.

Q: Can I use more than one power supply?

A: Without and Expansion Bridge, no. Only one power supply may be used at a time. Output products that also have power supplies in them have the option to have the power supply turned off.

Q: What if I need more than 16 stations?

A: Add an Echo Expansion Bridge! That will give you a new max of 64U. But remember, you’ll still need power supplies to account for all the products.

Q: Why isn’t my Room Controller Counting as a power supply in the Echo System Summary?

A: Make sure you’ve added in the Echo Power Supply Section too!

Q: Does ETC offer wall mount power supply options?

A: We do! In the form of our E-SPS-DIN power supply and a DIN8 enclosure. This option can be purchased as a single unit with part number 7186K1212. Alternatively, ETC offers a number of DIN rail mounting options in both wall mount and rack mount. The E-SPS-DIN pairs perfectly with any of those options.



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