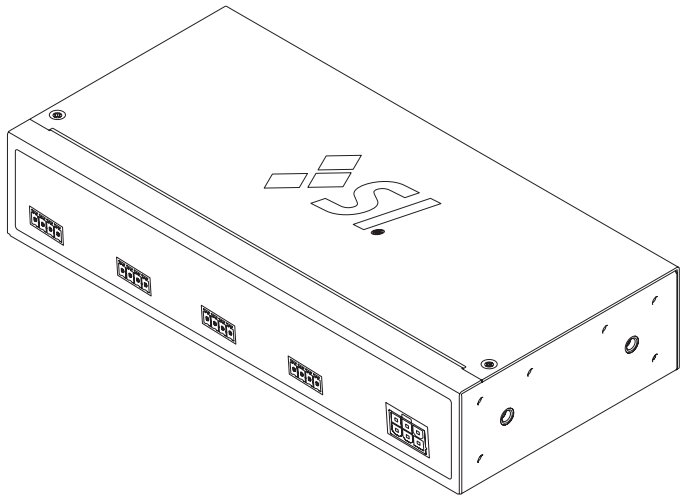

KRATOS™

Installation Instructions

DOC.#400152

Once you finish the install for updated documentation or other resources, please go to https://support.screeninnovations.com/accessories/kratos/, or scan the QR code.

Thank you for purchasing an SI product. If you have any questions or need any assistance with your Kratos, we would love to help you.

Technical Support: 512.832.6939
Hours of Support: 7:30am - 5pm CST

screeninnovations.com
screensupport@screeninnovations.com
shadesupport@screeninnovations.com

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INTRODUCTION - Kratos

Kratos is an 8 Shade/ Screen Power Hub that allows connection to any 24v Zigbee / RTS Low-voltage motor.

Features

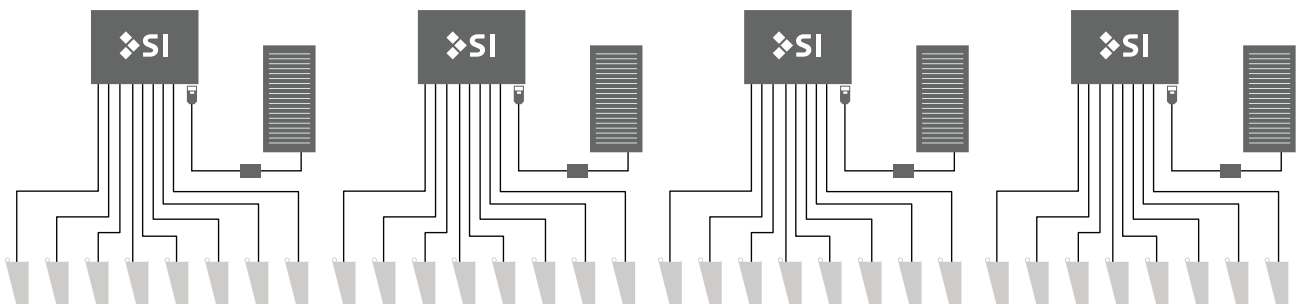
- Power for up to eight Zigbee/RTS LV shades/screens
- Eight 2 - position Terminal blocks
- Ports protected against mis-wiring
- Versatile mounting options
- Completely solid state, no moving parts
- Unit stays at room temperature (does not get hot)
- Din Rail mounting capability
- Rack mounting capability

INITIAL CONSIDERATIONS

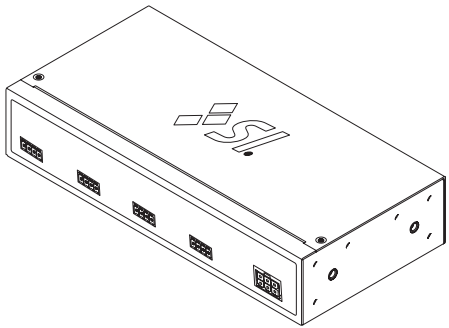
Thank you for your purchase of Kratos.

This is designed to be installed indoors, Rack or Din mounted. Kratos has eight 2 - position power ports and 1 DC Power input.

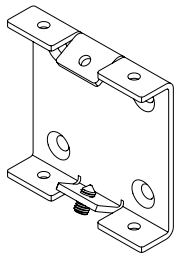
For example:
With 32 shades, and 4 Kratos units.



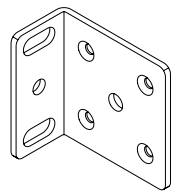
PARTS IN THE BOX



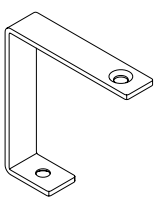
Kratos



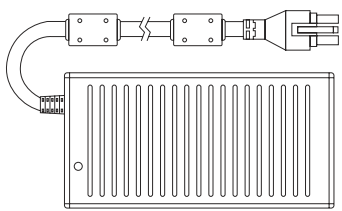
Universal DIN Rail Bracket (2)



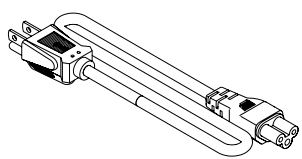
Universal Rack Ears (2)



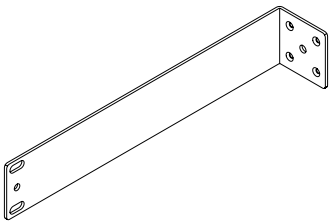
Rack Mount Fascia



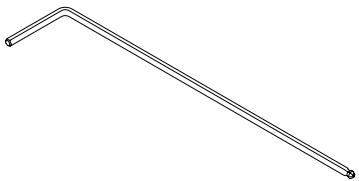
250W Power supply (1)



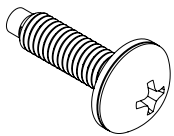
AC Power Cable (1)



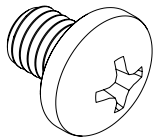
Long Rack Ear



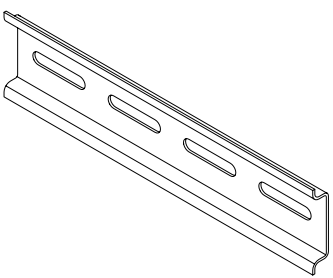
1.5 mm Hex Tool



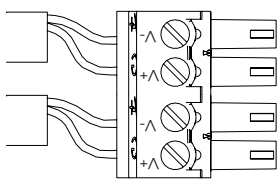
Rack Mount Screws (4)



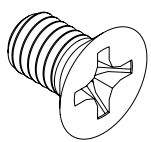
DIN Rail Screws (2)



Universal DIN Rail



4 position terminal blocks (4)

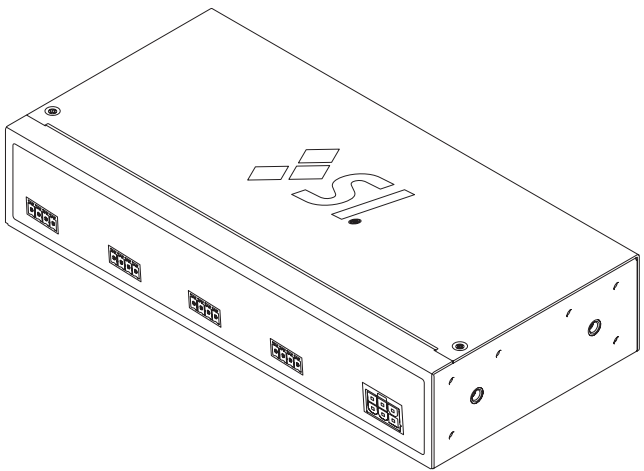


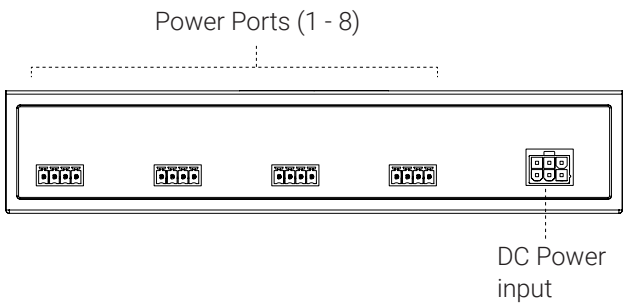
Universal Mounting Screws (10)

INSTALLATION - CONNECTIONS

Connecting Power

Kratos uses 28v DC Power supply for Power. Kratos has four 4 - position Terminal Blocks to connect to Low-voltage shade(s) and screen(s).



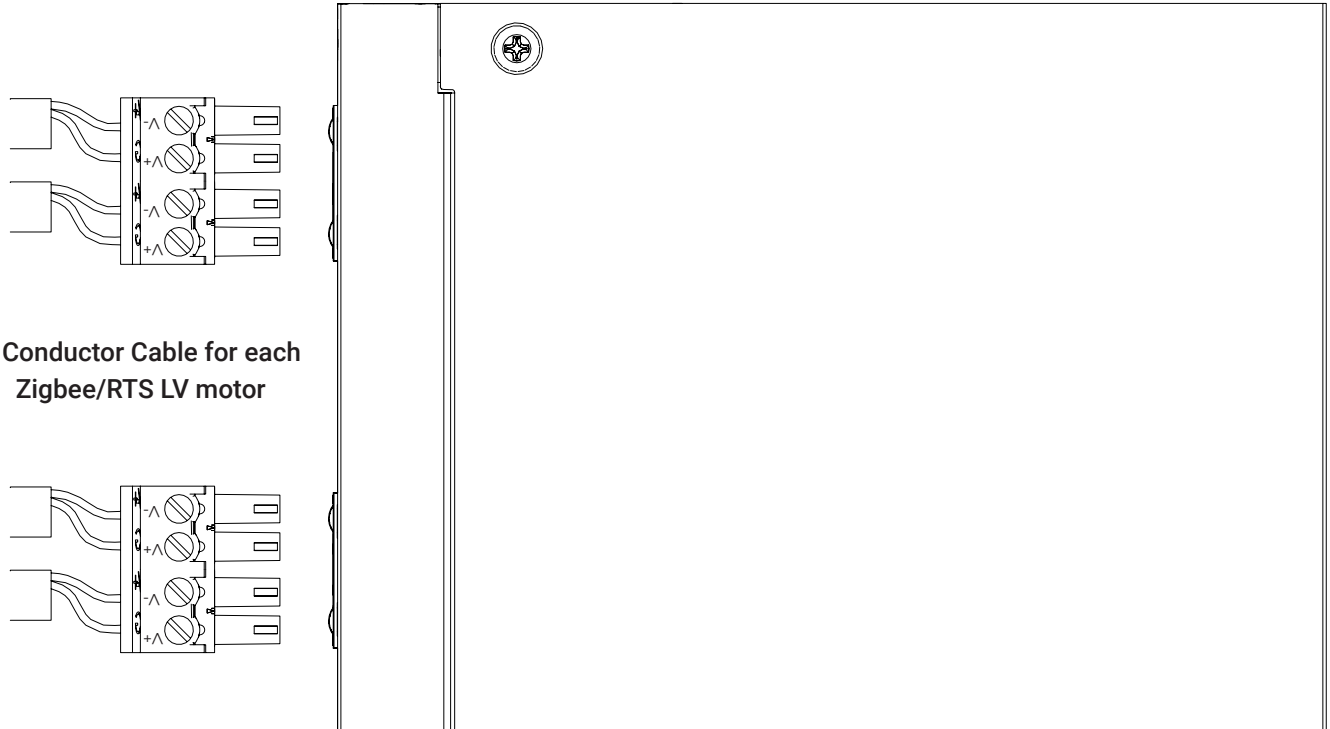


INSTALLATION - CONNECTIONS

Connecting Kratos

Kratos offers the ability to connect up to four 4 - position Terminal Blocks to connect to Low-voltage shade(s) and screen(s). 2 Conductor Cable for each Zigbee/RTS LV motor.

Example: 4 shades connected in the drawing below.

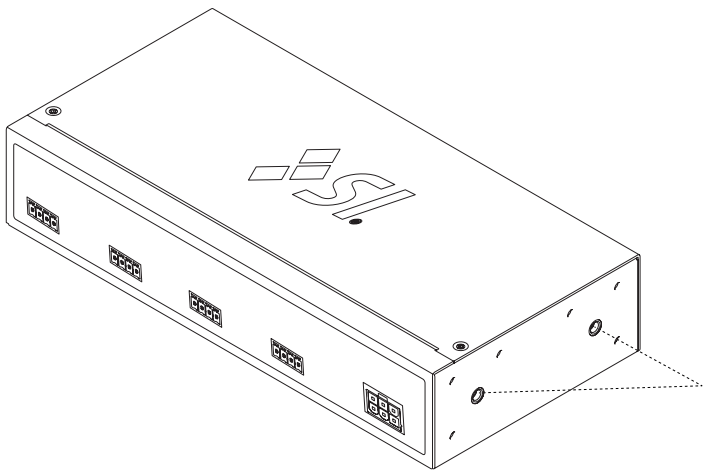


2 Conductor Cable for each Zigbee/RTS LV motor

RACK MOUNTING

Screw Hole Locations

Kratos can be mounted in various ways using these 10 screw hole locations.

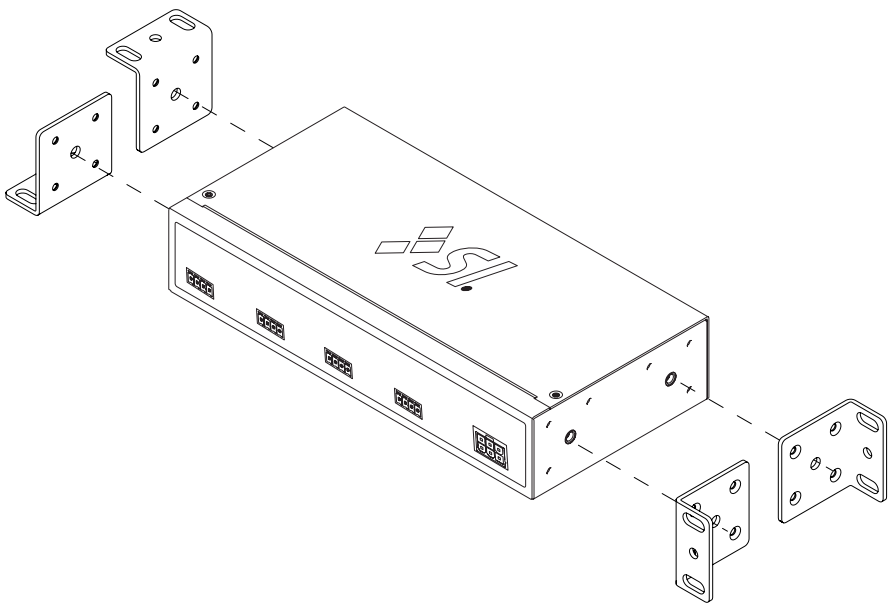


> ⚠ Kratos, Janus, TRO.Y all share the same mounting features and accessories. There are infinite ways to install them together or separately.

RACK MOUNTING

Using Universal Rack Ear

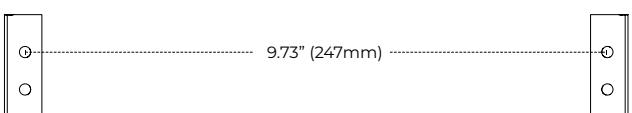
The symmetrical hole pattern of the Kratos Universal Rack Ear allows these multi-functional Brackets to be mounted on either side of Kratos in any orientation. This makes it possible to mount Kratos to virtually any surface in multiple positions.



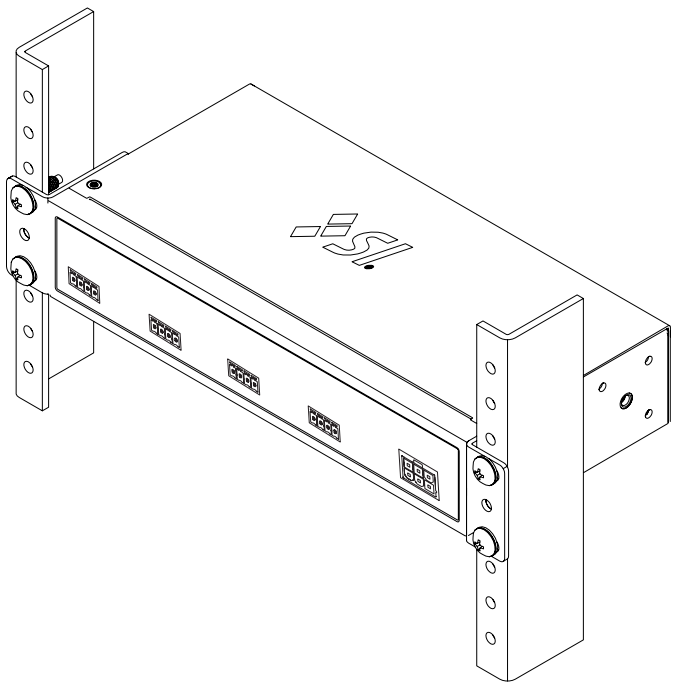
RACK MOUNTING

1. Half Rack

Kratos can be mounted in a standard half rack using 2 Universal Rack Ears.

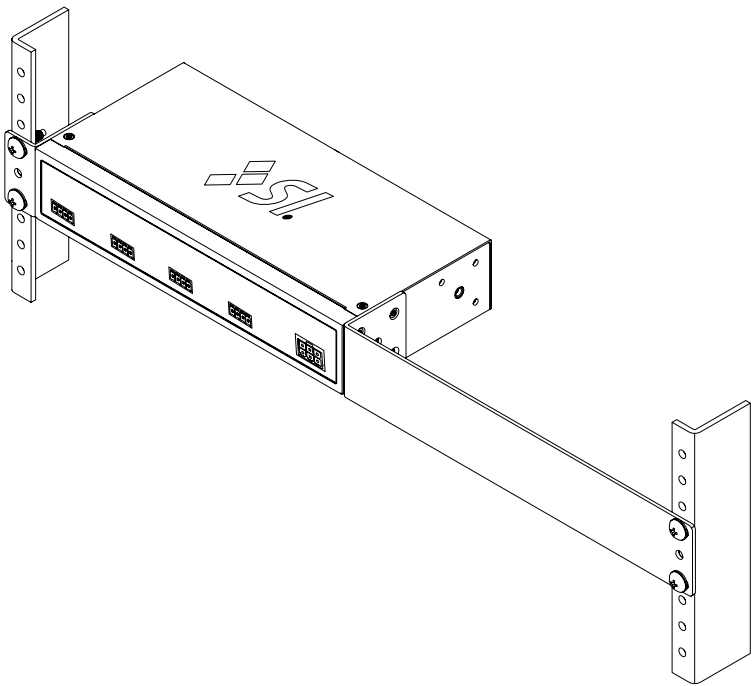


Note: Half Rack hole spacing must be 9.73"(247mm)



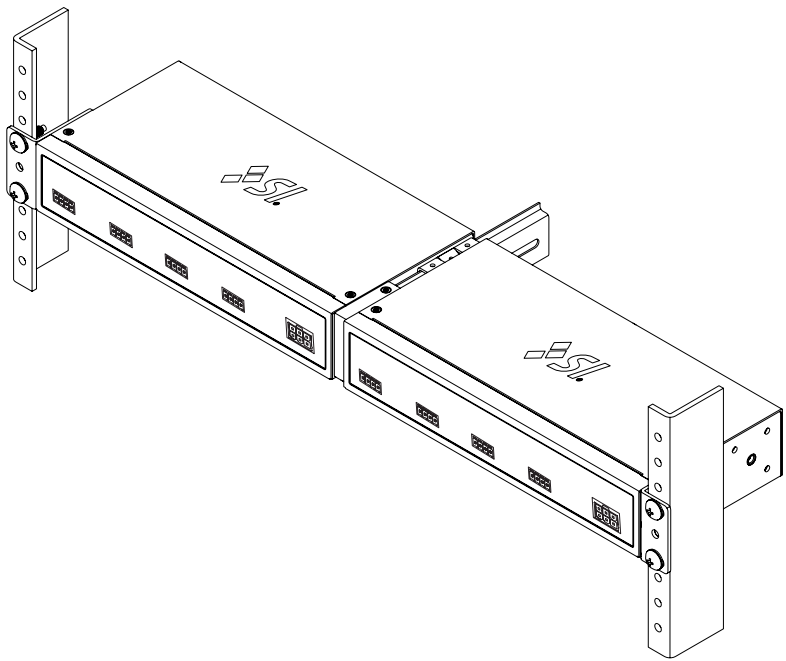
2a. Full Rack (Single Kratos Unit)

A single Kratos unit can be mounted in a standard 19” rack using one Universal Rack Ear and one Long Rack Ear.



2b. Mounting with Kratos Full Rack

Two Kratos units can be coupled together and mounted in a standard 19” rack. Follow the steps on the following spread for installation.



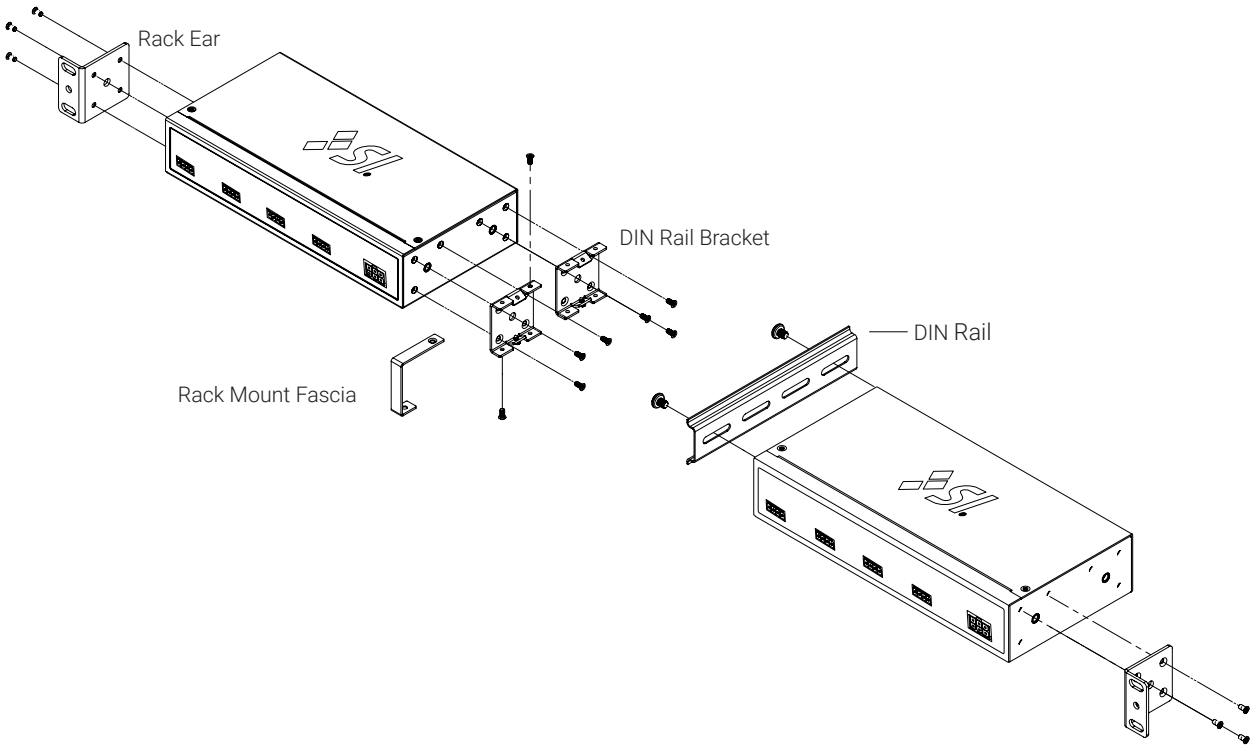
a. Using two (2) of the included DIN Rail Screws, install the DIN Rail onto the first Kratos unit.

b. Using three (3) Rack Ear Screws each (included), install the two DIN Rail Brackets on the opposite side of the second Kratos unit.

c. While holding both Kratos units, slide the DIN Rail through both DIN rail Brackets. Then, tighten both set screws using the provided 1.5mm hex tool.

d. Slide the Rack Mount Fascia over the exposed DIN Rail bracket on the desired front face of the combined unit. Fasten the fascia down with two Rack Ear Screws (on the top and bottom).

e. Finally, fasten one Rack Ear to each Kratos unit using three (3) Rack Ear Screws each.

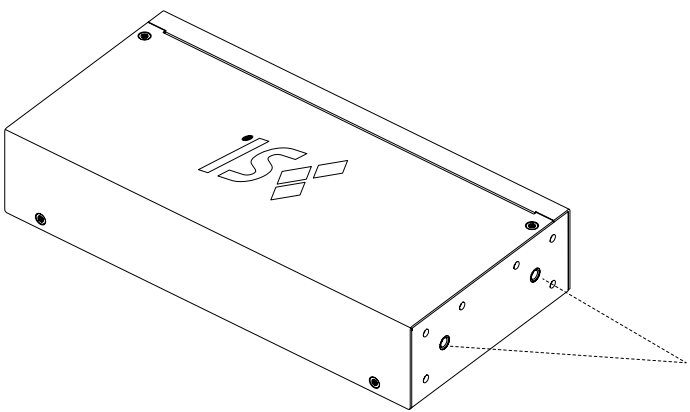

Rack Ear
DIN Rail Bracket
DIN Rail
Rack Mount Fascia

DIN RAIL MOUNTING

Screw Hole Locations

Kratos is available in both plenum and non-plenum options. If mounting in a plenum air space, ensure you have purchased one of the plenum rated Kratos kits.

Kratos can be mounted in various ways using 10 screw hole locations.

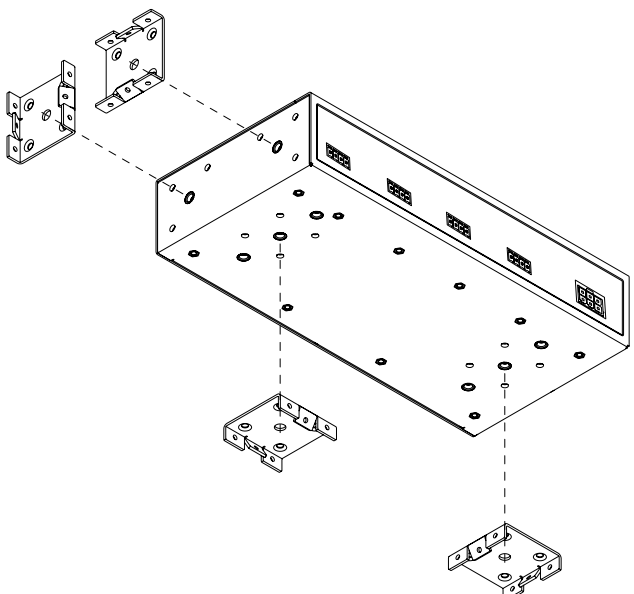


Some of the Din Rail screw locations

DIN RAIL MOUNTING

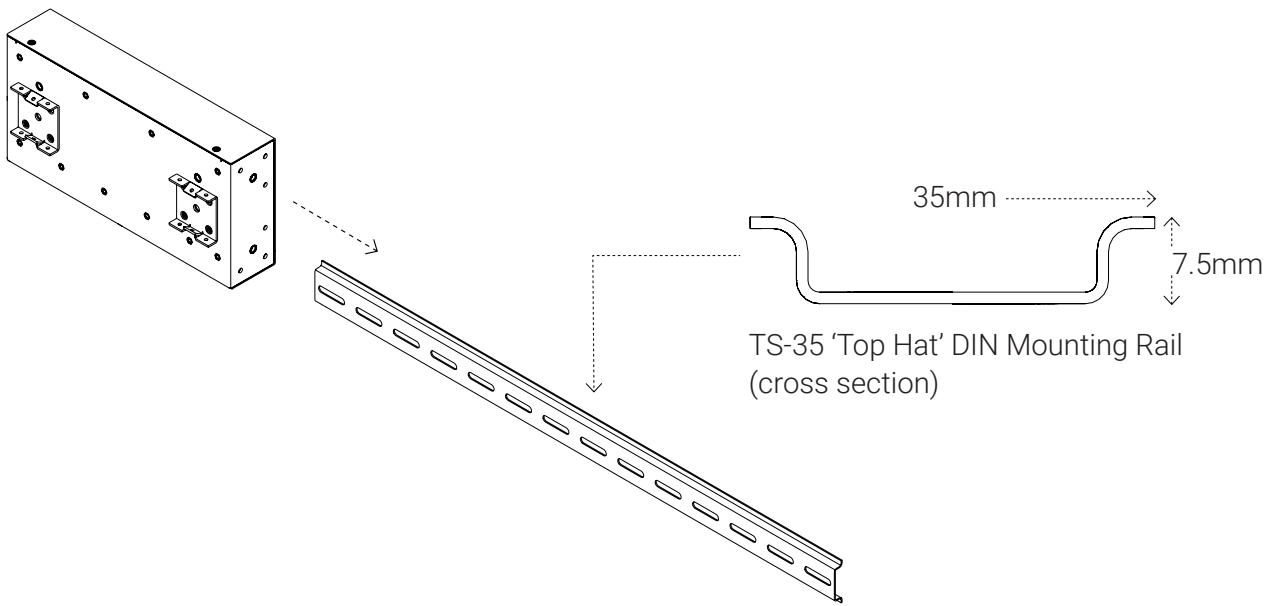
Using Universal DIN Rail Bracket

Similar to the Universal Rack Ear, the Kratos Universal DIN Rail Bracket features a symmetrical hole pattern which provides 10 total mounting locations on Kratos. Each Universal DIN Rail Bracket has multiple threaded holes which accommodate set screws to lock the Brackets in place along the DIN Rail.



DIN RAIL MOUNTING

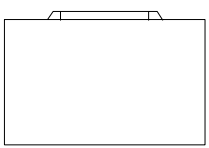
Using the Universal DIN Rail Brackets Kratos can be mounted in a variety of orientations and locations. The Universal DIN Rail Brackets are designed for TS-35 ‘Top Hat’ DIN Mounting Rail and can be mounted on the bottom or either side of Kratos.



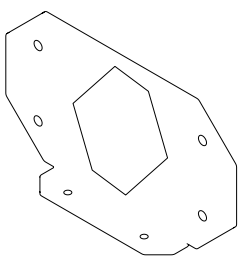
STRUCTURED WIRING BOX MOUNTING

Kratos can be installed into nearly any structured wiring enclosure using either the Universal Rack Ears or Universal DIN Rail Brackets. Structured wiring enclosures are a convenient and professional way to manage wiring and mount supporting devices such as power supplies. You can use one of the Jopplin Kits to have a complete mounting solution for the enclosure.

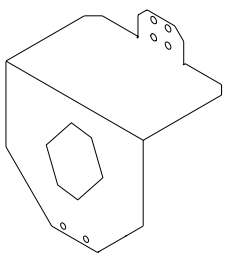
Parts in the Jopplin XVI Bracket Kit



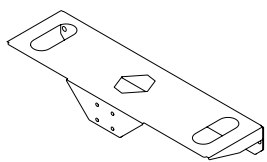
90 Degree Power Connectors (2)



Kratos Stack Mount Brackets and shovels(2)



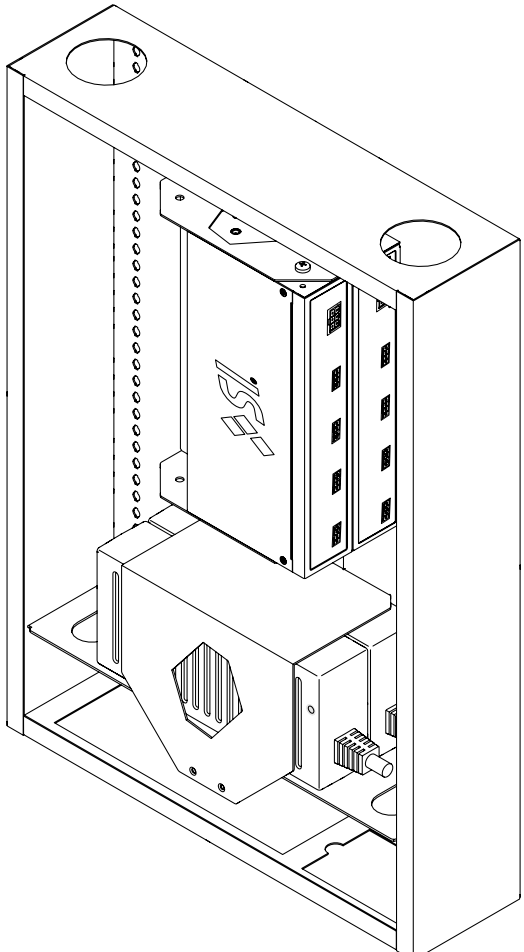
Power Supply Upper Bracket



Power Supply Lower Bracket

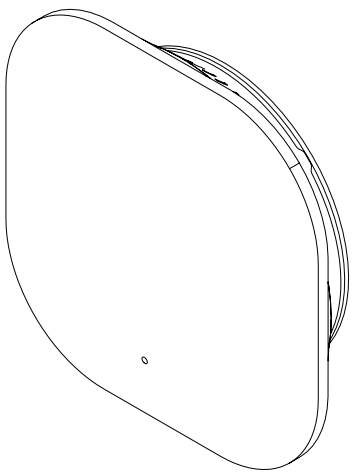
Depending on which Jopplin Kit is selected:

1. Connect up to 2/4 Kratos units into the Stack Mount Brackets and shovels.
2. Assemble top and bottom Power Supply Brackets and insert up to 2/4 Power Supplies.
3. Route Power Supply cables from 2/4 Power Supplies up to the 2/4 Kratos units installed into the Stack Mount.

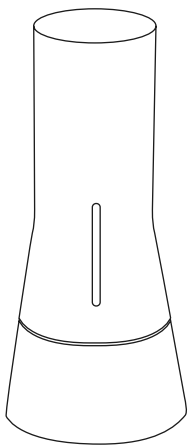


ADDITIONAL ACCESSORIES

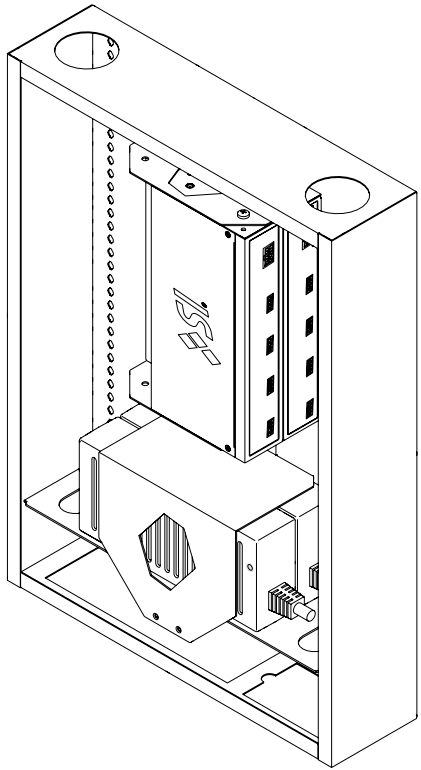
Sold Separately



LinkPro Z Unit
(Wireless Controller)



TaHoma
(Wireless Controller)



Jopplin XVI Bracket kit
(For more info go to Pg 16 - 17)

TROUBLESHOOTING

Tech Support: 512.832.6939

Problem	Possible Cause	Action to Take
Kratos won't operate.	Kratos is not powered.	1. Check AC Cable connection on your power supply. 2. Make sure power supply switch is turned on.
Low-voltage shade does not respond to controls.	The conductor cable may not be connected correctly.	1. Ensure that the Terminal block (+) and (-) line up to the of the (+) and (-) of the Kratos unit (each of the 4 power port sections contains 2 shade outputs each, refer to pg. 6).

WIRE LENGTH

Scan the OR code below /reference the Wire Topologies sheet (https://si-website-files.s3.amazonaws.com/Downloads/Info+Sheets/wire-topologies.pdf) on our website for supported wire and pinouts.

Screen Innovations
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512.832.6939
www.screeninnovations.com

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