

Energyspider

EB/SPI8-00



- Granular energy monitoring on circuits level in real time
- Connecting to Energypro for power and data transmission
- Measuring up to 8 circuits at 30A-400A each
- Daisy chain up to 3 Energyspider
- Status LED

A granular energy metering device that provides a systematic way to monitor individual circuits with varying gauge wire. Easy and flexible design provides the best option for retrofit installations, as the easy sensor clamp design allows you to measure up to 8 individual circuits, each with different loads ranging from 0A to 400A. Optional clip or magnet mounting solution to fit different panel configurations.



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Product Specification

Electrical Specification

Operating Voltage 3.3V (nominal)
Dielectric Strength 4kV rms

Measurement Capacity

Current 8 Channel - Energyspider CT 0-400A
UL Approved Type
Frequency 50-60Hz
Accuracy 2%

Mechanical Specification

Material Flame-retardant PC (UL94-V0)
Mounting Cable clip or Magnetic
Size L1.63" x W3.05" x H1.11"
L41.3 x W77.3 x H28mm
Weight 0.09lbs / 38.4g

Environmental Conditions

Location Indoor fixed installation
Operating Temp. 14°F to 122°F / -10°C to +50°C
Storage Temp. -22°F to 185°F / -30°C to +85°C
Humidity Max. 90% non-condensing

Wiring Specification

Sensorbus Connection
Connector SATA / RJ45 via Sensorbus Extender
Starter Cable SATA - Max. 4.92ft / 1.5m
Length RJ45 - Max. 13ft / 4m
Energyspider CT Connection
Connector 2 pin
Cable Length Max. 11.8ft / 0.3m

Regulatory

Safety UL 916
Mark CE, RoHS, WEEE

Ordering Information

EB/SPI8-00-030 Energyspider S
EB/SPI8-00-050 Energyspider M
EB/SPI8-00-050/100 Energyspider L
EB/SPI8-00-100 Energyspider XL
EB/SPICT-00-200 Energyspider CT 200A
EB/SPICT-00-400 Energyspider CT 400A

Accessories

Wire Connection to Energypro/ Energyspider
EB/SPI8-00-005 Energyspider Starter/ Interconnection Cable 0.5m
EB/SPI8-00-015 Energyspider Starter/ Interconnection Cable 1.5m
EB/SBEX-00-SATA/ RJ45 Sensorbus Extender via LAN

Energyspider

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Product Specification

Model No	EB/SPICT-00-030	EB/SPICT-00-050	EB/SPICT-00-100	EB/SPICT-00-200	EB/SPICT-00-400
Model	Energyspider CT 30A	Energyspider CT 50A	Energyspider CT 100A	Energyspider CT 200A	Energyspider CT 400A

Electrical Specification

Dielectric Strength	2.5KV rms	2.5KV rms	4KV rms	4KV rms	4KV rms
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Measurement capacity

Current	0-50A	0-100A	0-200A	0-400A	0-600A
Current Ratio	50A / 0.33V	100A / 0.33V	200A / 0.33V	400A / 0.33V	600A / 0.33V
Frequency	50-60Hz				
Accuracy	2%				

Mechanical Specification

Material	Flame-retardant plastic (UL94-V0)				
Weight	0.06lbs / 25g	0.09lbs / 41.5g	0.18lbs / 81.5g	0.39lbs / 178g	0.63lbs / 287g

Environmental Conditions

Location	Indoor fixed installation
Operating Temp.	-4°F to 149°F / -20°C to +65°C
Storage Temp.	-13°F to 176°F / -25°C to +80°C
Humidity	Max. 90% non-condensing

Wiring Specification

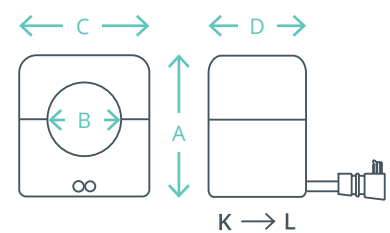
Energyspider Connection	
Connector	2 pin
Cable Length	Max. 11.8" / 0.3m

Regulatory

Safety	UL
Mark	CE, RoHS

Dimensions

	A	B	C	D
EB/SPICT-00-030	1.33" / 33.8mm	0.35" / 9mm	0.98" / 25mm	1.04" / 26.4mm
EB/SPICT-00-050	1.57" / 40mm	0.38" / 9.6mm	1" / 25.5mm	1.04" / 26.5mm
EB/SPICT-00-100	1.81" / 46mm	0.62" / 15.7mm	1.24" / 31.4mm	1.22" / 31mm
EB/SPICT-00-200	2.58" / 65.5mm	0.93" / 23.6mm	1.78" / 45.2mm	1.37" / 34.7mm
EB/SPICT-00-400	3.31" / 84mm	1.41" / 35.7mm	2.24" / 57mm	1.51" / 38.4mm



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EB/SPI8-00

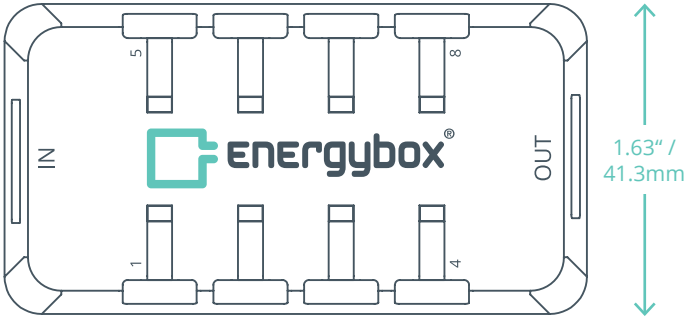
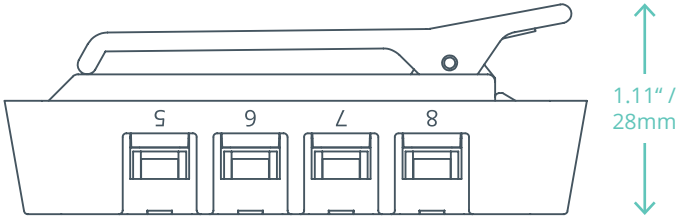


Dimensions

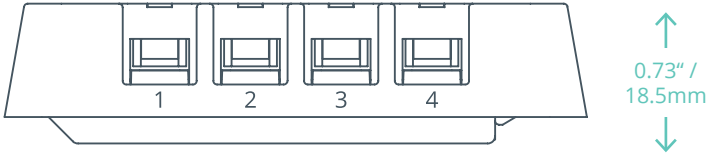
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← 3.05" / 77.3mm →

with clip



with magnet



Energyspider

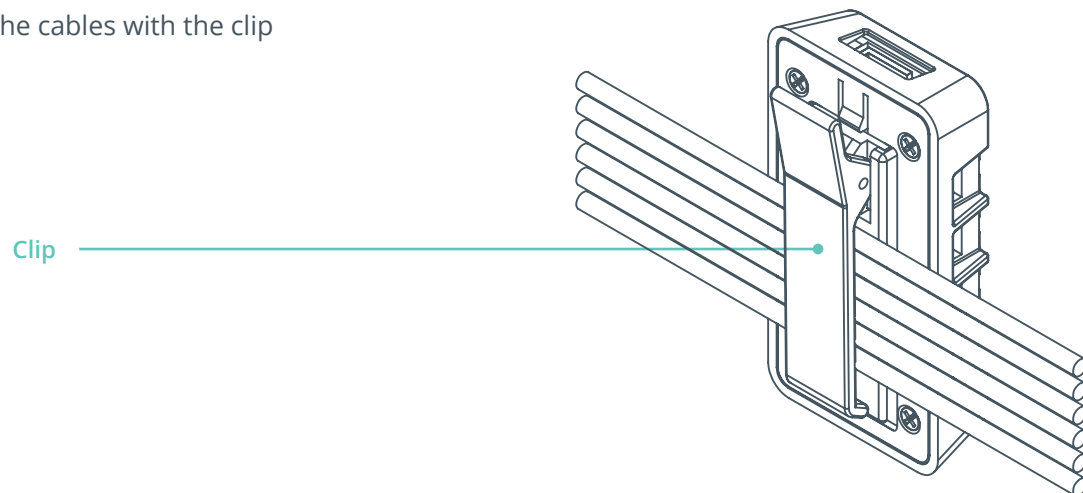
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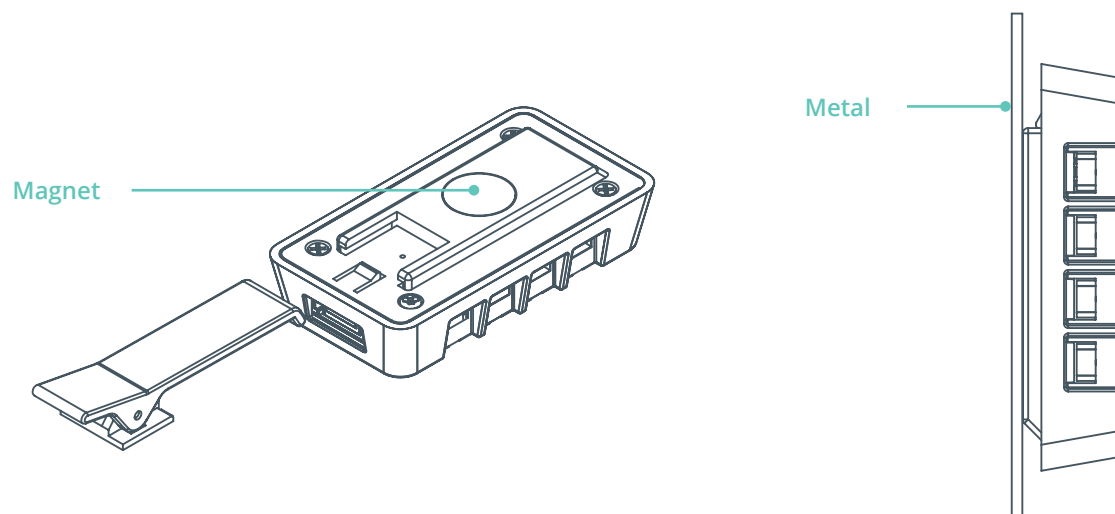
Mounting

Energyspider

Hold the cables with the clip



Stick on the metal with the magnet



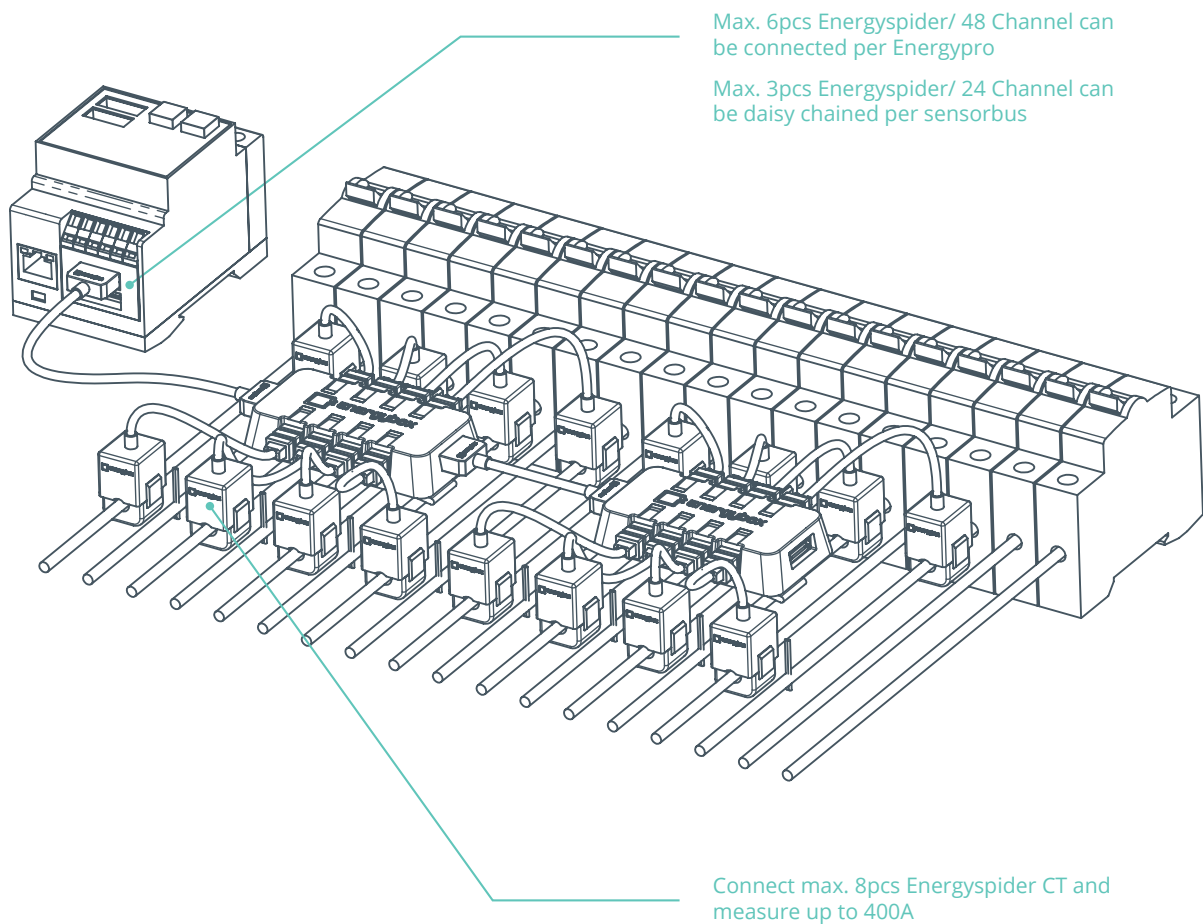
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Installation

Energyspider System



Energyspider

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Installation

Energybox System

Energybar

Energyspider

Energypro

EnergyCT

CT1 to L1
CT2 to L2
CT3 to L3

