Eclypse™ Power Supply Modules (ECY-PS)

Overview

The Connected System Controller's recurrent power supply concept can be used when more power is required to power a series of I/O modules. A 100 to 240VAC power supply module eliminates the need for a line voltage to 24VAC power transformer to save installation costs and time. A 24 VAC / VDC power supply module is equally available.

Features & Benefits

- Recurrent power supply concept can be used when more power is required to power a series of I/O modules
- 100 to 240VAC power supply module eliminates the need for a line voltage to 24VAC power transformer to save installation costs and time
- Uses the latest high-efficiency switch-mode circuitry to make more power available to operate additional modules and for cooler operation
- Over-voltage and over-current output protection to protect the electronics in unstable power supply conditions and against mis-wiring

Model Selection

Example: ECY-PS***24***

Series	Power Supply
ECY-PS	***24*** : 24VAC/VDC ***100-240*** : 100 to 240VAC

Product Specifications ECY-PS24

Power Supply Input

Input Voltage Range	24VAC/DC; ±15%; Class 2
Input Power Consumption	60VA
Input Frequency Range	50 to 60Hz
Overcurrent Protection	Field replaceable fuse
Fuse Type	4A, fast-acting, 5 × 20mm (GMA-4A)

Power Supply Output

DC Voltage Output	18VDC regulated
Rated Current Output Range	0 to 1.6A
Rated Power Output	30W[1]

[1]The total power consumption of all modules connected to the right of this power supply, and up to the next connected power supply, including any connected loads, must be less than this value. A separate transformer rated at 60VA minimum and 100VA maximum must be used for each ECY-PS24 power supply for it to operate at full capacity.

Hardware

Power Distribution Direction	Powered modules are connected to the right
Backplane Bus	Pass-through connection for data and control signals
Status Indicator	Green LED: power status

Mechanical

Dimensions (H × W × D)	4.74 × 2.85 × 2.31" (120.31 × 72.38 × 58.56mm)
Shipping Weight	0.75lbs (0.34kg)
Mounting	DIN rail or screw mounting
Enclosure Material[1]	FR/ABS
Enclosure Rating	Plastic housing, UL94-V0 flammability rating

[1]All materials and manufacturing processes comply with the RoHS directive and are marked according to the Waste Electrical and Electronic Equipment (WEEE) directive

Environmental

Operating Temperature	32 to 122°F (0 to 50°C)
Storage Temperature	-22 to 158°F (-30 to 70°C)
Relative Humidity	0 to 90% non-condensing
Ingress Protection Rating	IP20
Nema Rating	1

Standards and Regulations

CE Emission	EN61000-6-3: 2007; A1:2011
CE Immunity	EN61000-6-1: 2007
CE	This device complies with FCC rules part 15, subpart B, class B
UL Listed (CDN and US)	UL916 Energy management equipment

Product Specifications ECY-PS100-240

Power Supply Input

Input Voltage Range	100 to 240 VAC Universal; +10%/-15%
Input Current	400mA typical
Input Frequency Range	50 to 60Hz
Standby Power Consumption	<0.5W
Overcurrent Protection	Field replaceable fuse
Fuse Type	2.5A, Fast-acting, high-breaking, 250VAC, 5 × 20mm (TF2.5AH250V, IEC60127-2)

Power Supply Output

DC Voltage Output	18VDC regulated
Rated Current Output Range	0 to 2A
Rated Power Output	40W[1]

[1]The total power consumption of all modules connected to the right of this power supply, and up to the next connected power supply, including any connected loads, must be less than this value.

Hardware

Power Distribution Direction	Powered modules are connected to the right
Backplane Bus	Pass-through connection for data and control signals
Status Indicator	Green LED: power status

Mechanical

Dimensions (H × W × D)	4.74 × 4.08 × 2.31" (120.31 × 103.65 × 58.56mm)
Shipping Weight	0.71lbs (0.32kg)
Mounting	DIN rail or screw mounting
Enclosure Material[1]	FR/ABS
Enclosure Rating	Plastic housing, UL94-V0 flammability rating

[1]All materials and manufacturing processes comply with the RoHS directive and are marked according to the Waste Electrical and Electronic Equipment (WEEE) directive

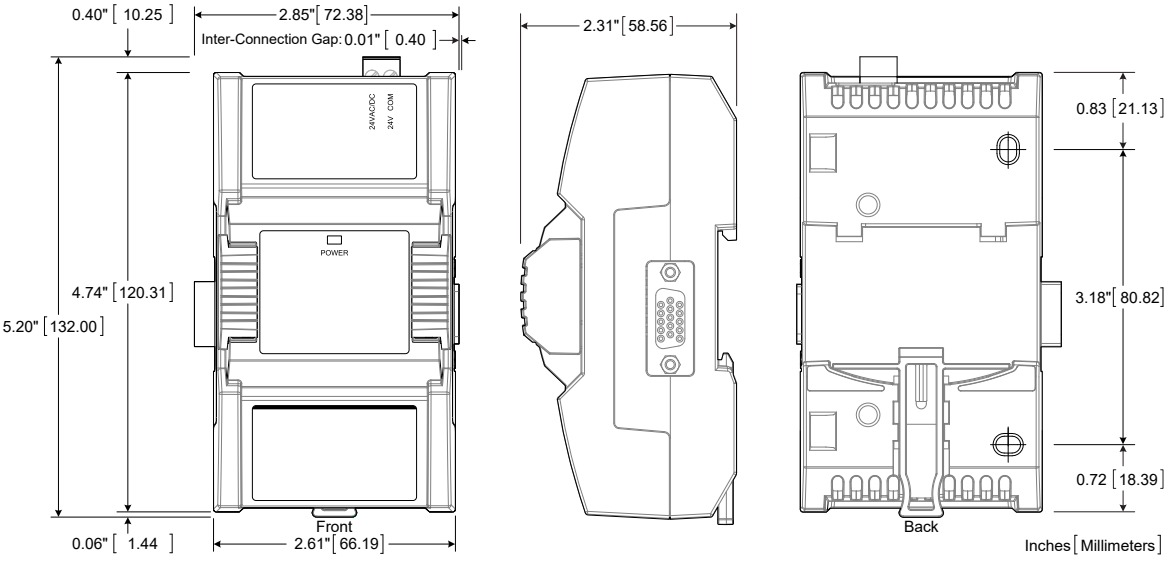
Environmental

Operating Temperature	32 to 122°F (0 to 50°C), 0 to 90% non-condensing
Storage Temperature	-22 to 158°F (-30 to 70°C)
Relative Humidity	0 to 90% non-condensing
Altitude	<6562ft (2000m)
Ingress Protection Rating	IP20 (must be mounted in a protective enclosure to conform with electrical installation standards)
Pollution Degree	2
Overvoltage	Category II - 2.5 kV
Electrical Protection	DC output is Separated Extra-Low Voltage (SELV); SELV is implemented through reinforced insulation

Standards and Regulations

CE Electrical Safety	EN 60730-1 : 2011
CE Emission	EN61000-6-3: 2007; A1:2011
CE Immunity	EN61000-6-1: 2007
FCC	This device complies with FCC rules part 15, subpart B, class B
UL Listed (CDN and US)	UL 61010-1

Dimensions



ECY-PS24 Power Supply Dimensions US & SI

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