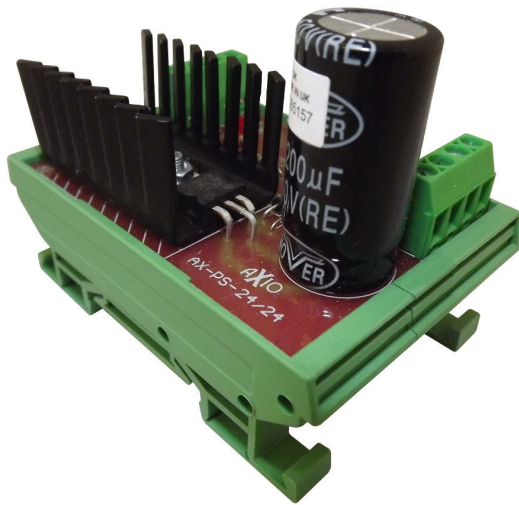


AX-PS-24-24-1C and AX-PS-24-24-1F

24Vac to 24Vdc Power Supply



Product Overview

The Axio AX-PS-24-24 provides a regulated 24Vdc supply from a 24Vac input. There are two versions of this Power Supply available - one with full-wave rectification, and one with half-wave rectification. The module features output short-circuit protection and LED Power-on indication. The AX-PS-24-24 is supplied in a DIN rail carrier for on TS35 section DIN rail and features high quality rising clamp terminals for ease of connection.

Features

- Regulated 24Vdc output at up to 1Amp
- Output short-circuit protection
- LED power-on indication
- Loop-in and loop-out facility on each terminal
- Two output options available
- DIN rail carrier as standard (TS35 DIN rail)
- High quality rising clamp terminals

Product Specifications

Input Supply	24Vac \pm 15%	
Input Current	AX-PS-24-24-1C	Output current x 3.5
	AX-PS-24-24-1F	Output current x 1.6
Output Supply	24Vdc \pm 5% at 1A maximum	
Supply fuse	1A slow blow, 20mm	
LED Indication	On when power on	
Terminals	Rising clamp for 0.5-2.5mm ² cable	
Ambient Temperature Range	0 to 50°C	
Dimensions & Weight	56(W) x 82(H) x 43(D)mm / 75gms	
Country of Origin	United Kingdom	

Order Codes

AX-PS-24-24-1C	24Vac to 24Vdc 1Amp Power Supply - Common 0V
AX-PS-24-24-1F	24Vac to 24Vdc 1Amp Power Supply - Floating 0V

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AX-PS-24-24-1C and AX-PS-24-24-1F

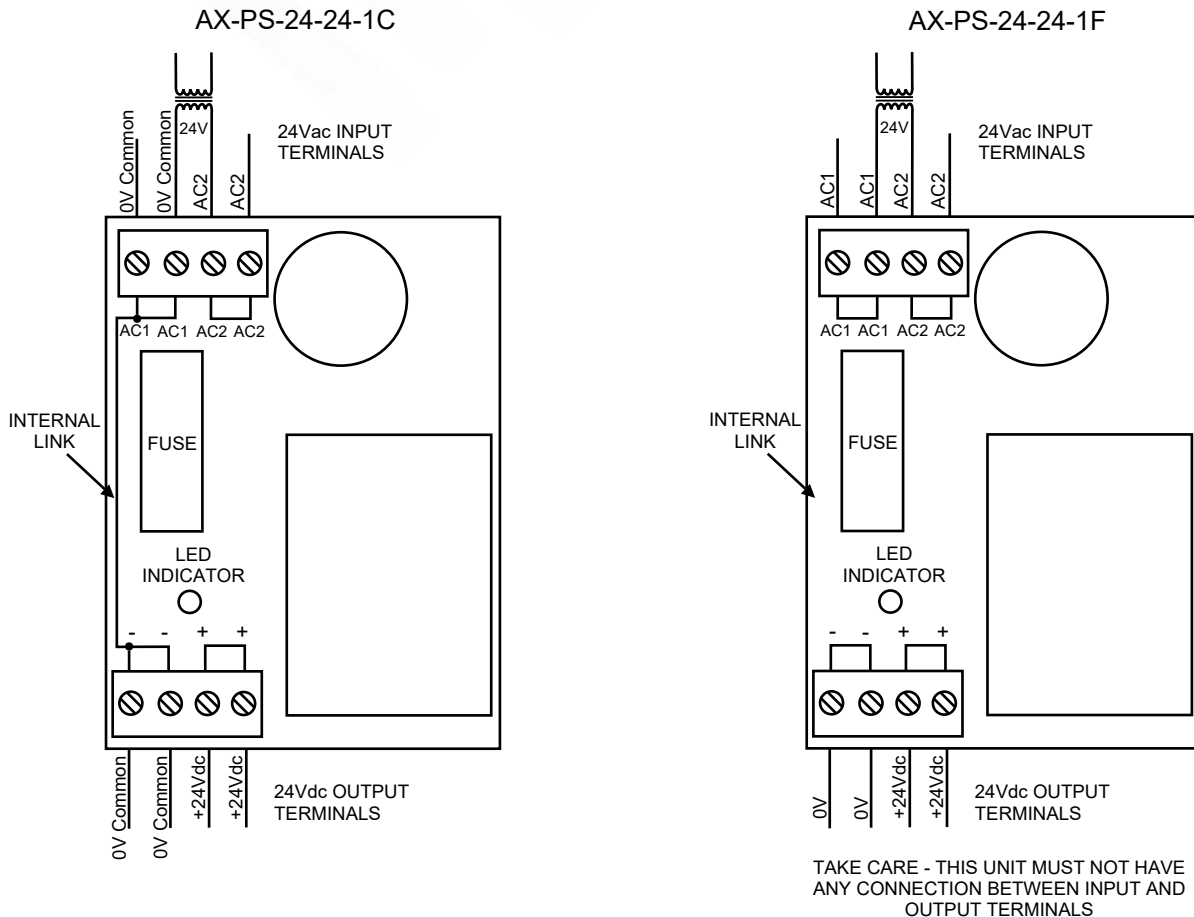
24Vac to 24Vdc Power Supply



Installation

The AX-PS-24-24 should be installed by suitably qualified technician in conjunction with any guidelines for the equipment it is to be connected to and any local regulations. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment that the module is being connected to.

Connections



Common Connection

The AX-PS-24-24-1C features half-wave rectification, and has a common connection between input and output. The AX-PS-24-24-1C has the AC1 input terminals connected to the 0V output terminals.

Transformer Sizing

As an example for the AX-PS-24-24-1C, a 0.5Amp DC load, requires 1.75Amp AC input (output current x 3.5). This equates to a 42VA transformer.

No Common Connection

The AX-PS-24-24-1F features full-wave rectification, and requires less than half the supply current of the AX-PS-24-24-1C for any given output. However, this module requires isolation between the input and output terminals, else damage will occur. Note particularly that if the 0V output is grounded, then the 24Vac input supply must not be grounded.

Transformer Sizing

As an example for the AX-PS-24-24-1F, a 0.5Amp DC load, requires 0.8Amp AX input (output current x 1.6). This equates to a 20VA transformer

Every effort has been taken in the production of this data sheet to ensure accuracy. Axio do not accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Axio has a policy of continuous improvement and reserves the right to change this specification without notice.