mistic Power Supplies

Features

⬎ High power, lightweight modern design

⬎ Supports flexible combination of I/O bricks

⬎ Metal enclosure

⬎ 'A' suffix for 120 VAC input

⬎ 'B' suffix for 240 VAC input

⬎ 'Regulated outputs

⬎ Optimized for *mistic* controllers and I/O Bricks

⬎ 50/60 Hz Operation

Description

Four models of input power supplies are available for the G4LC32 and G4LC32SX controllers, and the family of *mistic* I/O bricks. Models are available to accomodate specific AC input requirements and *mistic* brick panels equipped with or without controllers.

Power supplies can be panel mounted and support a flexible array of I/O bricks.

G4PS245A

Part Numbers

Part	Description
G4PS245A	Power Supply for Opto 22 panel with classic controller and I/O bricks
G4PS245B	Power Supply for Opto 22 panel with classic controller and I/O bricks
G4PS24XA	Power Supply for Opto 22 panel with I/O bricks
G4PS24XB	Power Supply for Opto 22 panel with I/O bricks

Specifications

	G4PS245A	G4PS245AFM	G4PS245B	G4PS24XA	G4PS24XB
Input Voltage Range	100–135 VAC	100–135 VAC	180–250 VAC	100–135 VAC	180–250 VAC
Input Voltage Frequency	50–60 Hz	50–60 Hz	50–60 Hz	50–60 Hz	50–60 Hz
Input Current	2.2 A	2.2 A	1.5 A	2.1 A	1.3 A
Output Voltage	24 ±0.5 VDC 5 ±0.1 VDC	24 ±0.5 VDC 5 ±0.1 VDC	24 ±0.5 VDC 5 ±0.1 VDC	24 ±0.5 VDC	24 ±0.5 VDC
Output Current (24 VDC)	4.0 A	4.0 A	4.0 A	4.0 A	4.0 A
Output Current (5 VDC)	4.0 A	4.0 A	4.0 A	–	–
Maximum Units Supplied	One (1) Mistic controller and six (6) bricks			Any combination of bricks with up to seven (7) digital bricks or six (6) analog bricks	
Ambient Temperature Operating Storage	0 to 70 °C -25 to 85 °C	0 to 70 °C -25 to 85 °C	0 to 70 °C -25 to 85 °C	0 to 70 °C -25 to 85 °C	0 to 70 °C -25 to 85 °C
Replacement Fuse	Standard 3AG, 1/4" x 1-1/4" glass fuse, Littlefuse P/N 312003				

Dimensions
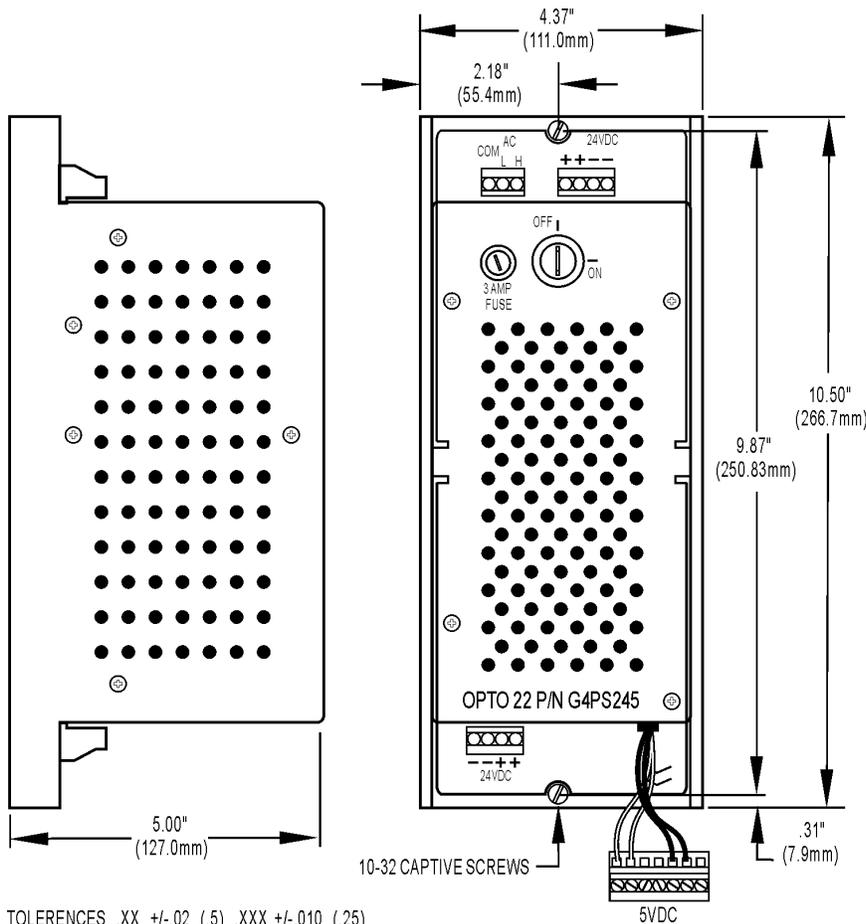
TOLERENCES .XX +/-.02 (.5) .XXX +/-.010 (.25)

More About Opto 22

Products

Opto 22 develops and manufactures reliable, flexible, easy-to-use hardware and software products for industrial automation, energy management, remote monitoring, and data acquisition applications.

OptoEMU Energy Management System

The easy-to-use OptoEMU Sensor monitors electrical energy use in your facility and delivers detailed, real-time data you can see and analyze. The Sensor can monitor energy data from pulsing meters, electrical panels or subpanels, and equipment. View energy data online using a software service or incorporate the data into your control system for complete energy management.

SNAP PAC System

Designed to simplify the typically complex process of selecting and applying an automation system, the SNAP PAC System consists of four integrated components:

- SNAP PAC controllers
- PAC Project™ Software Suite
- SNAP PAC brains
- SNAP I/O™

SNAP PAC Controllers

Programmable automation controllers (PACs) are multifunctional, modular controllers based on open standards.

Opto 22 has been manufacturing PACs for over two decades. The standalone SNAP PAC S-series and the rack-mounted SNAP PAC R-series both handle a wide range of digital, analog, and serial functions for data collection, remote monitoring, process control, and discrete and hybrid manufacturing.

SNAP PACs are based on open Ethernet and Internet Protocol (IP) standards, so you can build or extend a system easily, without the expense and limitations of proprietary networks and protocols.

PAC Project Software Suite

Opto 22's PAC Project Software Suite provides full-featured, cost-effective control programming, HMI (human machine interface) development and runtime, OPC server, and database connectivity software for your SNAP PAC System.

Control programming includes both easy-to-learn flowcharts and optional scripting. Commands are in plain English; variables and I/O point names are fully descriptive.

PAC Project Basic offers control and HMI tools and is free for download on our website, www.opto22.com. PAC Project Professional, available for separate purchase, adds

OptoOPCServer, OptoDataLink, options for controller redundancy or segmented networking, and support for legacy Opto 22 serial *mistic*™ I/O units.

SNAP PAC Brains

While SNAP PAC controllers provide central control and data distribution, SNAP PAC brains provide distributed intelligence for I/O processing and communications. Brains offer analog, digital, and serial functions, including thermocouple linearization; PID loop control; and optional high-speed digital counting (up to 20 kHz), quadrature counting, TPO, and pulse generation and measurement.

SNAP I/O

I/O provides the local connection to sensors and equipment. Opto 22 SNAP I/O offers 1 to 32 points of reliable I/O per module, depending on the type of module and your needs. Analog, digital, and serial modules are all mixed on the same mounting rack and controlled by the same processor (SNAP PAC brain or rack-mounted controller).

Quality

Founded in 1974, Opto 22 has established a worldwide reputation for high-quality products. All are made in the U.S.A. at our manufacturing facility in Temecula, California. Because we do no statistical testing and each part is tested twice before leaving our factory, we can guarantee most solid-state relays and optically isolated I/O modules for life.

Free Product Support

Opto 22's California-based Product Support Group offers free, comprehensive technical support for Opto 22 products. Our staff of support engineers represents decades of training and experience. Support is available in English and Spanish by phone or email, Monday–Friday, 7 a.m. to 5 p.m. PST.

Additional support is always available on our website: how-to videos, OptoKnowledgeBase, self-training guide, troubleshooting and user's guides, and OptoForums.

In addition, hands-on training is available for free at our Temecula, California headquarters, and you can register online.

Purchasing Opto 22 Products

Opto 22 products are sold directly and through a worldwide network of distributors, partners, and system integrators. For more information, contact Opto 22 headquarters at 800-321-6786 or 951-695-3000, or visit our website at www.opto22.com.

www.opto22.com