



24VDC External Power Adapter

Part Number: 1200038



KEY FEATURES AND BENEFITS

- Extended temperature range (-37°C to 74°C)
- 24VDC External Power Supply supports 100V or 230VAC
- Red wire code is 21-27 VDC +
- White wire code is 21-27VDC - (common)
- Black wire code is chassis (earth) ground
- Outputs 24VDC and operates in the input voltage range of 90-264VAC, 47-63Hz

PRODUCT DESCRIPTION

This 24VDC external power adapter universal power supply kit consists of a 24 Watts Universal AC-DC power supply and power cords that are compliant with North American and European power cord standards.

The 24VDC 24W three wire power supply outputs 24VDC and operates in the input voltage range of 90-264VAC, 47-63Hz. The

power supply has three stripped and tinned bare output wires enabling users to simply connect wires to power products with terminal block inputs. Additionally, the power supply operates in the extended temperature range of -37°C to 74°C enabling users to power products in harsh environments. The power supply has a green status LED to display its proper operation.

POWER SUPPLY KIT SPECIFICATIONS

HARDWARE

Enclosure

UL Compliant Plastic Housing

Installation Method

Panel Mountable

LED Indicators

Output Voltage Status – Green LED

Dimensions

4.21" x 2.6" x 1.22"

10.69 x 6.6 x 3.1 cm

Product Weight

6.5 oz

184.27 g

INPUT SPECIFICATIONS

Connector Type

IEC320-C14 (Built into housing)

AC Power Inlet with 3 Prongs

AC Voltage Range

90 – 264VAC – Universal

Frequency Range

47 – 63Hz

OUTPUT SPECIFICATIONS

Connector Type

Bare Wires, 3-Wire

DC Voltage

24VDC

Rated Current

1A

Current Range

0 - 1A

Rated Power

24W

Ripple and Noise (Max.)

±1%

DC Output Indicator LED

Yes

DC Output Cable Length

6' (1.83 m)

PROTECTION SPECIFICATIONS

Short Circuit/Overload

Overload Protection Type

Recovers automatically after fault condition is removed

Over Voltage

Over Voltage Protection Type

Shutdown output voltage

Output auto-recovers after fault condition is removed

Dielectric Withstand Voltage Primary-Secondary

Withstand Voltage

4242 VDC

ENVIRONMENTAL SPECIFICATIONS

Air Temperature

System On

-37 to 74°C

System Off

-40 to 85°C

Operating Humidity (non-condensing)

10% to 95%

Storage Humidity (non-condensing)

5% to 95%

MTBF (Mean Time Between Failures)

22.83 Years

NORTH AMERICAN POWER CORD SPECIFICATION

Type

Detachable North American Power Cord

Length

6' (1.83 m)

Male Connector

IEC320-C14, 3 Prong

Female Connector

IEC320-C13

Color

Black

Standard

RoHS Compliant

EUROPEAN POWER CORD SPECIFICATION

Type

Detachable European AC Power Cord

Length

6' (1.83 m)

Male Connector

CEE 7/7 Plug, 2 Prong

Female Connector

IEC320-C13

Color

Black

Standard

RoHS Compliant

EXPORT INFORMATION

Shipping Weight

1.36 lbs

0.62 kg

Ripple and Noise (Max.)

9" x 12"

22.86 x 30.48 cm

Country of Origin

USA

Waranty

3 Years

REGULATORY STANDARDS

Emissions

European Standard EN55022

CISPR 22 Class B

FCC Part 15

Class B limit

Immunity

European Standard EN55024:

IEC 1000-4-2/EN61000-4-2: Electrostatic Discharge (ESD)

IEC 1000-4-6/EN61000-4-6: Conducted Disturbance

IEC 1000-4-8/EN61000-4-8: Magnetic field

IEC 1000-4-11/EN61000-4-11: Dips and Voltage Variations

UL 61010-1, UL 61010-2-201

CSA C22.2 No. 61010-1-12

CSA C22.2 No. 61010-2-201:14

Safety

UL60950-1

CSA C22.2

EN60950-1

IEC 60950-1

Other

European Standard: RoHS 2 Compliant under CE

REGULATORY APPROVALS



Warranty Information

Control offers a 30-day satisfaction guarantee and 3-year limited warranty.

Sales Support

+1.763.957.6000
sales@comtrol.com

Technical Support

+1.763.957.6000
www.comtrol.com/support

Email, FTP, and Web Support

info@comtrol.com
ftp.comtrol.com
www.comtrol.com