

Power Supply/Adapter: **YHY-2404000**

GIMSON **ROBOTICS**

04.2023

INPUT AC: 100~240V ~2.0A 50/60Hz (via C14 connector)

OUTPUT DC: 24V $\overline{\text{---}}$ 4A (via 0.5m lead with 2.1 x 5.5mm Male DC plug)

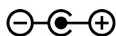
Size/weight: 155 x 60 x 34mm, 340g (excluding AC lead)

This power supply is designed to be able to support the operation of DC electric motors and actuators rated to 24V DC. It is capable of providing the sudden spikes in current required by mid-sized inductive loads, which many power supplies designed for resistive loads (such as LED lighting drivers) are not capable of. It is a high efficiency device with a low standby current.

TECHNICAL DETAILS

Duty: Up-to 4A continuous, maximum 5A at 50% duty (max. 2mins const), max. 7A for <1s peak.

Operating temperature: -10°C ~ +40°C Allow free air flow around body when in operation.



The output DC barrel connector is centre-positive, the outside of the connector is connected to ground.

The power supply has a double-insulated plastic body, however the earth connection (via C14 connector) is also connected to output ground, meaning that it is technically a Class I device.



The input AC supply should include fuse protection, and must have a connected earth. As standard, we will have supplied the power supply with an input C13 lead with BS 1363 3-pin UK plug and 3A plug fuse.



The device itself features overcurrent, overvoltage and overtemperature protection.

This product is designed for protected indoor use only.



This is an electrical product that should NOT be mixed with general household waste. For proper treatment, recovery and recycling, this product must be disposed of through a licenced WEEE collection point. GR Environment Agency number: **WEE/DU4031XA**

WARNING: DO NOT USE DEVICE IF



- THE CASING OR CABLES APPEAR TO BE DAMAGED IN ANY WAY
- IT IS EXPOSED TO WATER OR HIGH TEMPERATURES (>40°C)

PRODUCT STANDARDS

This device is designed to conform to

RoHS

RoHS Directive 2015/863 (RoHS 3)

**UK
CA**

EMC Standards:

EN 55032: 2015 + A11: 2020

EN 55035: 2017 + A11: 2020

EN 55015: 2019

LVD Standards:

EN 62368-1: 2020 + A11: 2020

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