THORLABS

About the Company

Thorlabs Ltd is an a leading manufacturer of motion control systems, vibration isolation systems, machine vision products and multi-element optical systems for fiber-optic, semiconductor and reprographic applications.

We offer customers an in-depth understanding of optical component manufacture, allowing us to quickly and confidently develop optimal positioning solutions.

As a part of Thorlabs inc., manufacturers of innovative photonics products, we are committed to providing the service, relationships and attention to detail that make businesses excel.

Trademarks

THORLABS is a registered trademark of Thorlabs Inc.

Revision History

Issue No.	Date	Summary
1	220806	Initial Issue

Technical Support

Thorlabs provide a comprehensive after sales service. Contact us through your local representative, or at the address below:

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Product Warranty

All Thorlabs products are covered by a manufacturers warranty against faulty workmanship and materials, valid for 12 months from the date of original purchase. All products returned under warranty must be returned in their original packaging.

Prior to installation, the equipment referred to in this handbook must be stored in a clean, dry environment, in accordance with any instructions given. Periodic checks must be made on the equipment's condition.

Customer Feedback

It is always helpful to have detailed and accurate information about any problems encountered by customers

We welcome comments or suggestions about any aspect of the equipment and instruction handbooks.

2-way 5/15V DC Power Supply

Model Number TPS002



1.1 Introduction

This compact 2-way DC power supply unit (PSU) has been designed for use with our new range of T-Cube Piezo Drivers and Strain Gauge Readers. It allows up to 2 cubes to be powered from a single mains power outlet, simplifying cable management and greatly reducing clutter on the work surface.

An AC adapter with 1.6m of cable enables convenient positioning in any application.

1.2 Connecting a T-Cube Controller

Up to 2 controllers can be powered from the PSU.

Caution. Always connect the power cable to the T-Cube unit before connecting to the PSU. Always ensure the power supply unit is isolated from the mains before connecting a cube unit. Do not connect a cube unit to a 'live' external power supply. Doing so (i.e. “hot plugging”) carries the risk of PERMANENT damage to the cube. Always power up the T-Cube by connecting its power supply to the mains. Similarly, to power down the unit, disconnect the power suply from the mains before disconnecting the unit.

1) Check for correct orientation of the alignment keyways, then plug the splitter cable (supplied) into the POWER connector on the controller - see Fig. 1.1.



Fig. 1.1 Connecting The Splitter Lead To The Controller

2) Check for correct orientation of the alignment keyways, then connect the other end of the splitter cable to the flying lead on the PSU - see Fig. 1.2.

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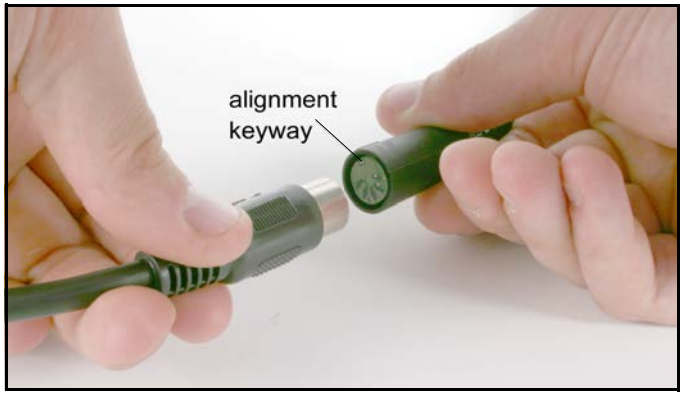


Fig. 1.2 Connecting The Splitter Lead To The PSU

1.3 Connecting the AC Power

The unit is supplied with an AC adapter and a variety of mains power cords.

1) Select the power cord appropriate for your territory.
2) Connect the power cord to the AC Adapter - see Fig. 1.3.
3) Ensure the wall socket is switched OFF, then plug the power cord into the wall socket..



Fig. 1.3 Connecting the AC Power Supply

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