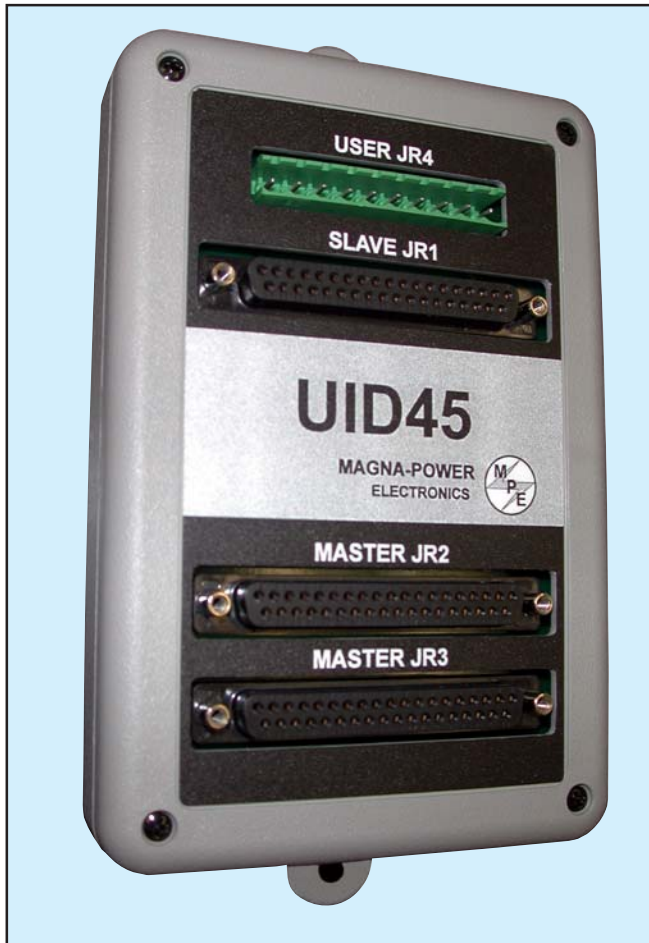


# UID45

## UNIVERSAL INTERFACE DEVICE MASTER/SLAVE CONTROL SIMPLIFIED!

### FEATURES

- Compatible with PQA/PQD, SQA/SQD Series Supplies
- Compatible with MQA/MQD, MTA/MTD Series Supplies
- Interface for series and parallel master/slave operation
- User configurable screw terminal connector
- Pad area for custom circuitry



### SPECIFICATIONS:

**Connectors:** JR1,2,3: 37 D-subminiature, female;  
JR4: 10 pin plug connector

**Ambient Temperature:** 0 to 50°C

**Size:** 1.2410" H x 7.140" W x 4.010" D

**Weight:** 6.54 oz

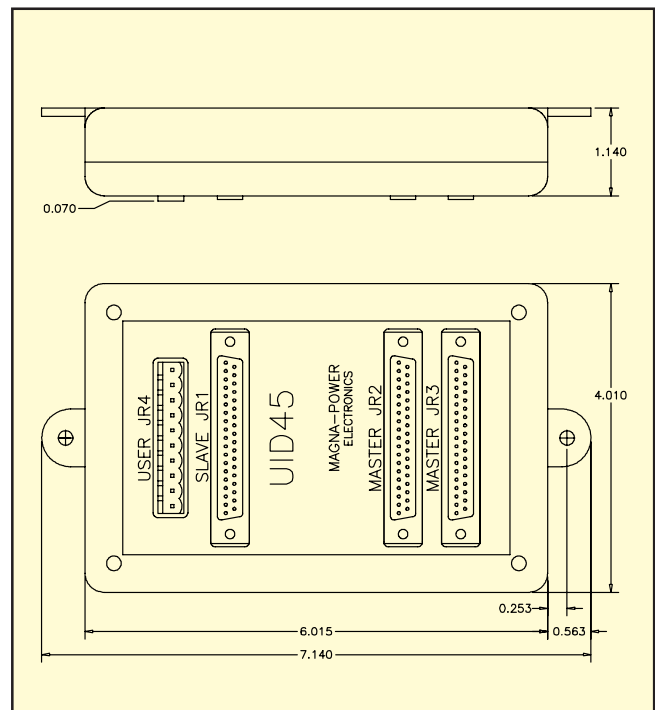
### NOTES:

1. Specifications subject to change without notice.

### DESCRIPTION

The **UID45** is a general purpose device for connection to Magna-Power Electronics' PQA, PQD, SQA, SQD, MQA, MQD, MTA, MTD Series power supplies. The device contains the necessary circuitry for configuring power supplies for master/slave parallel or series operation. Master/slave parallel operation allows two or more power supplies to equally share output current when connected together. Master/slave series operation allows two or more power supplies to equally share output voltage when connected together. Installation requires setting jumpers, placing a 37-conductor cables between the UID45 and power supply, and wiring the power supply outputs in either parallel or series.

The **UID45** can be used as an interface for connecting control and monitoring lines to external circuitry. It also contains an area on the printed circuit board for interconnecting wires and placing components for specific user applications.



**MAGNA-POWER**  
ELECTRONICS, INC.

81 Fulton Street, Boonton, NJ 07005  
(973) 263-0017 FAX: (973) 263-1928  
E-mail: sales@magna-power.com  
<http://www.magna-power.com>