

Unique Micro Design

Model 316 Serial powered (RS232) Cash Drawer Trigger Module

Document Reference : DOC-M316-UM

UMD Part Number : 6-0316-993-7

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Revision History

Date	Issue	Comments
18/01/99	1	First Issue
05/06/00	2	Update for powerpack version
11/07/05	3	Changed address and colour

1. Introduction

This manual provides basic information about the Unique Micro Design Model 316 Serial powered (RS232) Cash Drawer Trigger Module.

The UMD Model 316 is designed to provide RS232 serial interfacing to the UMD range of "base" or "solenoid" cash drawers. This allows cash drawers, previously attached to POS printers and cash registers, to be connected directly to RS232 serial ports.



2. Operating Information .

The Unique Micro Design Model 316 Serial powered (RS232) Cash Drawer Trigger Module. Power is derived from the handshaking pins of the attached RS232 serial port. For users of Windows an external 12V plug pack is required, as Windows disables the power on the handshake lines.

Some DOS applications when using serial cash drawers also lower the handshake lines. If required, a program for raising the handshaking in DOS is available from <http://www.umd.com.au/itd/download.htm> (add M316dos.exe to Autoexec.bat). This program defaults to COM2, other ports are activated with the argument: eg "M316dos 3" to use COM3.

Any **string** of characters sent to the RS232 port will "trigger" the cash drawer to "open". For optimum triggering, set the serial port to 9600 baud, send 5 upper case "U" characters ("UUUUU").

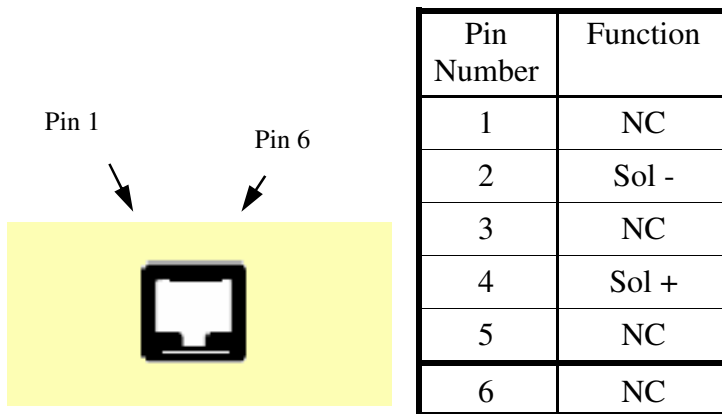
The M316 has been designed to prevent the cash drawer opening on spurious signals from the serial port, therefore, more than one character is required to open the drawer.

The interface module is designed to accept modular (RJ12) cash drawer connectors.

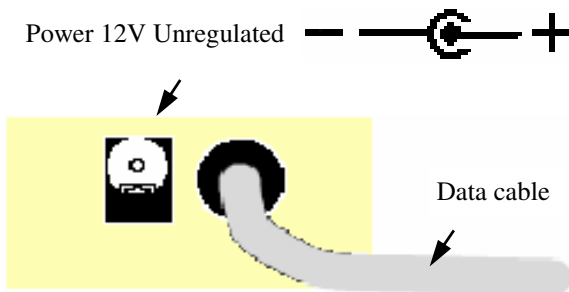
Status LED

The Status LED provides visual indication of the M316 output operating.

3. Connector Information .



6 x 6 Modular Output Connector
Front view

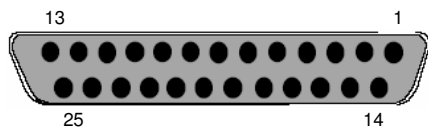
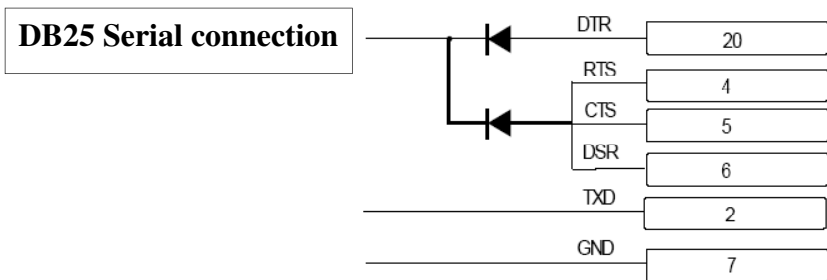


Pwr and Data in
Rear view

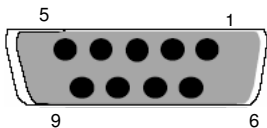
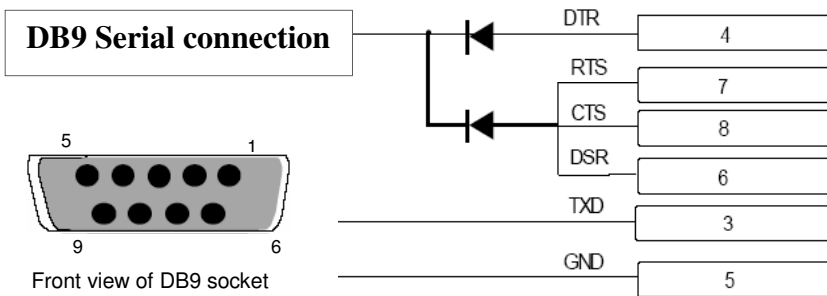
3. Connector Information ... cont.

Input Connection

The M316 is available with connections for DB25 serial ports or DB9 serial ports. Other connections available on application.



Front view of DB25 socket



Front view of DB9 socket

4. Specifications

Dimension	Interface Module: 80 (h) x 35 (w) x 25 (h) mm
	Cable: 20 cm (other lengths available)
Weight	200 grams (including cable)
Color	Beige
Serial Interface	RS232 (D9S or D25S connectors)
Cash Drawer	Connector: RJ12
	Rating: suits 10 - 36 Ohms solenoid
	Repeat rate: 5 - 8 seconds
Power	2.2mm

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