

## Overview

The D183V2 Series are designed to interface industry standard M260 (black only) and M262 (red/black) print mechanisms to a variety of common input sources at an economical price.

The cutter versions, M260A and M262A are also driven from the D183V2. The cutter cable plugs directly to the board. Both full cut and perforation modes are available. Full cut leaves one small section uncut.

The D183V2 prints 42 columns per line and has a print buffer of 1500 characters. Printing continues while data is being accepted for increased print speed. The dot addressable graphic mode has 210 dots per line available. An IBM2 character set is used. XON/XOFF and DTR modes are available in serial versions. Printing speed is typically 2.2 lines per second.

In Serial mode, data can be accepted from 300 to 9600 Baud. The printer mechanism is mounted vertically in 'DATAMODE' panel mount operation. It can also be mounted horizontally in 'TEXTMODE' (paper exiting from top of printer) as the printout can be inverted by software or by hardware switch.

A rewind output drives the DAF-220 rewind automatically. Paper End can be monitored and signals output in Parallel and Serial

modes. The user can choose to either stop printing immediately or continue.

The D197 power supply plugs directly to the D183V2 and supplies both 12V and 5VDC. A range of plastic and metal housings are available for the printer mechanism.

A pin to pin cable is required to connect the mechanism to the D183V2. This can be purchased separately. The M260A/M262A versions have a cable for the cutter which plugs directly to the D183V2. The D183V2 mounts directly on the rear of the metal and plastic housings.

The D197 power supply plugs directly to the D183V2. If not used an alternative power source must keep to the specified limits to prevent malfunction. A self test printout gives details of the D183V2 setting including the serial format.

When a line is full, or a print command is received, a line is printed. The graphic mode is entered by software command and is fully dot addressable. Data must be entered sufficiently fast to match print speed. In Serial mode, this is 2400 Baud. Parallel data transfer is usually sufficiently fast.

When the RAM becomes full in Serial mode, DTR is set low or XOFF transmitted. In Parallel mode the BUSY signal is set.

## Features

- Drives M260/M262 Printer Series
- Drives Cutter versions M260A/M262A Mechanisms
- 42 Characters per Line
- 1500 Character Buffer
- Prints While Receiving Characters
- Inputs: Centronics Parallel  
RS232C Serial  
TTL Serial
- Dot Addressable Graphic Printing
- Double Height, Double Width Print Modes
- Invert Printing for Panel Mount Applications
- IBM2 Character Set
- Drives DAF-220 Rewind
- 12VDC and 5VDC Supplies

## Applications

- Data Logging
- Production Control Equipment
- Time Keeping Systems
- Automatic Test Equipment
- Mobile Application
- Instrumentation
- Vending Machines
- Ticket Issuing Equipment

## Specifications

**Characters per Line:** 42

**Print Speed:** 2.2 Lines/Second

**Paper Feed Speed:** 7 Lines/Second

**Buffer Length:** 1500 Characters

**Data Transfer:** Modes: RS232C Serial  
Centronics Parallel  
TTL Serial

**Serial:** Baud: 150, 300, 600, 1200, 2400, 4800, 9600  
Parity: Odd, Even, None  
Bit Number: 7 or 8  
Protocol: DTR or XON/XOFF

**Character Set:** IBM2, UK  
UK, Germany and France by software command

**Graphics Capability:** Dot addressable 210 dots per line

**Print Modes:** Invert, Double Width, Double Height, Red, Black.  
(Red and black cannot be on the same line)

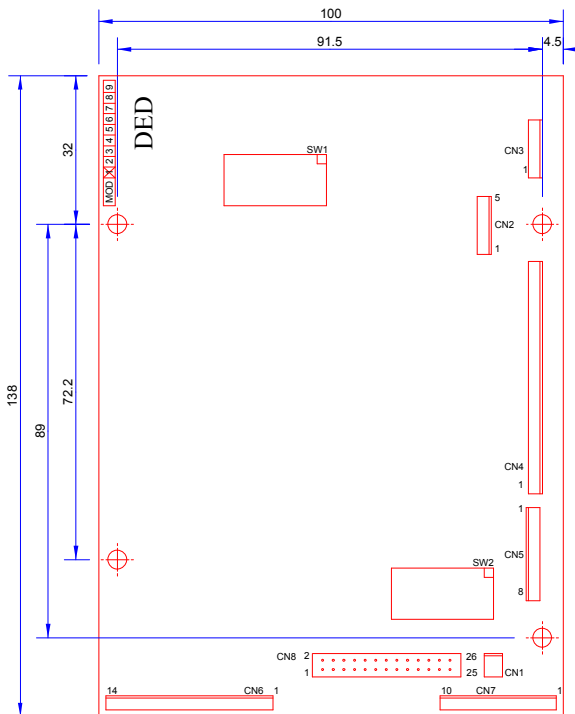
**Power Supply:** Vp: 12.4VDC ±0.4V  
Text printing: 1.25A average  
Graphics print: 1.75A average  
Logic Supply: 5VDC ±0.25VDC ±0.3A

**Temperature:** Operating : 5°C to 40°C (20 to 80% humidity)  
Storage: -20°C to 70°C (95% humidity max)

**Physical Size:** 100mm(W) x 138mm(D) x 15mm(H)

**Weight:** 112 grams

### Physical Dimensions (mm)



4 Fixing Holes 3.2mm Diameter

### Command Codes

Function	decimal	hex	symbol
Print + Line Feed	10	0A	LF
Print + Line Feed	13	0D	CR
Double Width	14	0E	SO
Text Mode Direction	15	0F	SI
Data Mode Direction	16	10	DLE
Cancel Double Width	20	14	DC4
Feed n Lines	23 n	17 n	ETB n
Double Height	24	18	CAN
Cancel Double Height	25	19	EM
Graphic Mode	29	1D	GS
Cancel Graphic Mode	30	1E	RS
Paper End Mode	27 25	1B 19	ESC "EM"
Black Printing	27 66	1B 42	ESC "B"
Full Cut	27 67	1B 43	ESC "C"
Perforate	27 80	1B 50	ESC "P"
Red Printing	27 82	1B 52	ESC "R"
Country Select	27 84	1B 54 n	ESC "T" n

### Associated Products

Mains Power Supply:	D197 Series
Paper Roll Holders	D175 Series
Rewind Units	DAF-220 Series
Mating Cable for Mechanism	Stock No: 432-121

### Order Code

**D183V2-01-13-1B** Interface, 2K RAM, rewind driver, mating connectors

B= 1 RS232C Serial  
4 Centronics parallel and TTL serial

Mating connectors and crimps to the D183V2 are supplied. However the 20 way connector at the printer end is not included. This should be ordered separately when purchasing the mechanism.



Certificate No. 7739

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