

Features

- 24 or 42 Column Printer Mechanism
- M180 or M183 Fast 6 Needle Mechanism
- Styled Plastic Case with Hinged Front
- Integral Paper Roll Holder
- Reading Window
- Paper Tear Off Edge
- Enhances Panel Appearance
- Simple to Install
- Input Formats:
 - Parallel: Centronics
 - Serial: RS232C, 20mA Loop
- Date and Time versions
- 5VDC Supply

Applications

- Data Logging
- Industrial Control
- Ticket Issuing
- Alarm Monitoring
- Laboratory Equipment
- Automatic Test Equipment
- Gaming Machines
- Vending Machines



Introduction

The D220 printer assembly consists of a fast 6 needle miniature M180 or M183 printer mechanism, styled plastic case, paper roll holder together with paper roll and interface.

The assembly enables the printer mechanism and paper roll to be easily mounted into a panel while at the same time minimising dust and protecting the mechanism. The styled case also enhances a panel's appearance.

Interfaces to serial or parallel sources are fitted and can invert printing so enabling the D220 to be mounted horizontally or vertically. The interface operates the mechanisms at their maximum speed as data is received while the mechanism is printing. Date and time option.

The D167 power supply can be used if only mains supply is available.

Operation

The case consists of two parts; a black lower section which is fixed and an opaque upper section which is hinged for easy changing of paper and ribbon. The printed paper exits the top of the case and can be read through a transparent window enabling the last line printed to be read. The paper can be cut by pulling against a cutting edge.

The black lower section can be fitted to a panel by glueing in position with a hot melt glue gun, see overleaf. A single +5Vdc supply can be used for the interface and the assembly. The paper should flow from the underneath of the roll to the mechanism and exit the top through the upper section of the case.

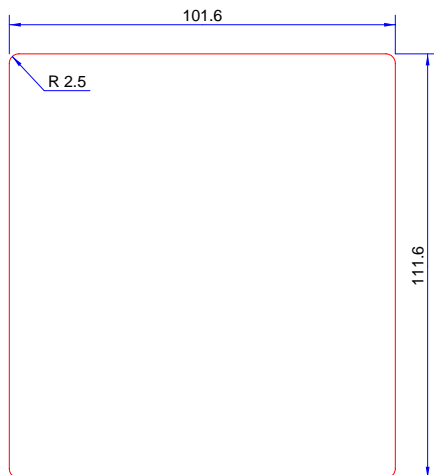
SPECIFICATIONS

Printing System:	Impact Dot Matrix	
Characters/Line:	D220-11 24	D220-14 42
Print Speed:	1.7	0.9 Lines/Sec
Character Size:	Height: 2.6 Width: 1.7	2.6mm 1.1mm
Paper:	Width: 57.5mm Dia: 50.0mm Type: Normal Paper	
Ink:	Cassette	
Buffer Length:	1500 Characters	
Data Transfer:	Modes:	Centronics Parallel RS232C Serial 20mA Loop Serial 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	
Countries:	UK, Germany, France, International	
Graphics Capability:	Dot addressable	
Print Modes:	Invert, Double Width, Double Height	
Date and Times:	Format:	Years, Months, Days Hours, Minutes, Seconds
	Battery Backed:	Yes
	Set Up:	By software command or via 2 external switches
Operating Temp:	0°C to 50°C	
Reliability:	Print Head:	700,000 lines MTBF M180 500,000 lines MTBF M183
Power:	+5Vdc	0.6A average Text Printing (3.0A max 1mS pulses)

ACCESSORIES

Paper Rolls:	Stock No:	552-057
Ink Cassette:	Stock No:	553-160
Power Supply:	D167 Series	

PANEL CUT OUT (mm)



ORDER CODE

D220-AB-CD	Plastic Panel Mount Printer Assembly, Paper Roll, Interface.	
AB= 11	M180 (24 columns)	
14	M183 (42 columns)	
C= 2	Without Date and Time	
3	With Date and Time	
D= 1	RS232C	
4	Centronics Parallel + TTL Serial	
7	20mA Current Loop Serial	

CONNECTIONS

CN1	Centronics Parallel Connector
CN2	20mA Current Loop Connector
CN3	Power Supply Connector
CN7	Date and Time Setup Connector
CN9	RS232C Serial and TTL Serial Connector

All mating connectors and crimps are supplied.
CN1 is a 26 way IDC socket for Parallel versions.

RIBBON CASSETTE CHANGING

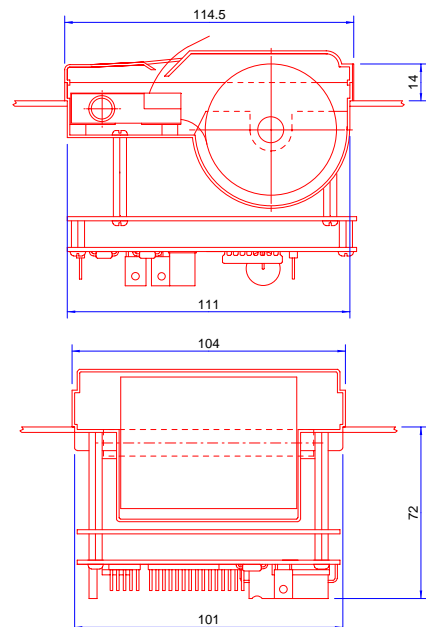
Lift up the front panel. Remove the old cassette by pushing on the left hand edge, where marked, which will cause the right hand edge to lift away from the mechanism. Carefully lift old cassette off the mechanism.

Push the new cassette on to the mechanism, the left hand edge first and then push down the right hand edge carefully making sure that it clicks into place. If it will not fit easily on the right hand edge, turn the small knob on the cassette, in the direction marked, until it locates. Push fit the front panel into position.

PAPER CHANGING

Lift up the front panel. Remove old paper roll from spindle and replace with new roll with the paper flowing from the bottom of the case. Feed the paper through the mechanism until it extends sufficiently to push through the front panel. Push fit the front panel into position.

PHYSICAL DIMENSIONS (mm)



HOT MELT GLUE FIXING

(Available from RS Components)
Glue Gun: RS Order No: 511-178
Adhesive: RS Order No: 602-218

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Specifications are subject to change without notice



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