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~~Preliminary Installation and~~ Operating Instructions

CUT SHEET FEEDER RS 901

for Diablo Printers and Terminals

**ATTENTION**

We recommend to set formlength-switch of feeder  
2 inches higher than physical length of form.

<u>Formlength</u>	<u>Switch of feeder</u>	<u>Formlength in Program</u>
11 inches	13	13 inches/ 78 lines
12 inches	14	14 inches/ 84 lines
14 inches	lowest position (Point)	18 inches/108 lines (with 6 lines/inch)

## Operating instructions for Cut Sheet Feeder RS 901

1. Check, that friction feed rollers on the printer platen are engaged. This is very important, otherwise the RS 901 will not work properly. Move the paperbail away from the platen.
2. Fix RS 901 on printer by pushing down the two red knobs and hooking up the RS 901 like a Tractor Feed. Release the two red knobs after fixing the feeder on the printer platen. Check, that the gear on the left side of the RS 901 is engaged to the gear of the printer platen.
3. Check that the paperbail is in front of pickers.
4. Connect cable with connector on RS 901. Check that connector is plugged in correctly. Printer should have power, otherwise feeder will not work.
5. Lamp on RS 901 is now flickering slowly. If not, push reset-button (black button underneath the left hand side cover of the RS 901). If lamp is now again not flickering slowly, check again cabling and connector. If still not flickering lamp, call service man.
6. Set the format on the format switch on the right hand side cover of the RS 901. The digits on the format label are the format in inches.

0 - not used

5 - 15 - 5 - 15 inches

The RS 901 works like a Tractor Feed with continuous forms. The only difference is, that the gap between two sheets is part of the format, so that the format is in any case longer than the form.

If you have e.g. a form length of 11 inches, you have to add one inch to this form length and this will result in a format of 12 inches. Therefore you set the format switch to the position 12. It is very important, that the internal format in your program (or the format switch on the printer or terminal) is in lines or inches identical with the format switch on the RS 901. In this case, you set 12 inches or 72 lines (by 6 lines per inch). If for any reason you cannot set this format with your system, go to the next possible one, in this case it could be 14 inches in your program and 14 inches on the format switch of the RS 901. You can go higher, but never lower than the physical form length plus one inch.

If the physical form length is fractional in inches, go first to the next full inch and add one additional inch. This means e.g., that you have to go to 10 inches on the format switch of the RS 901 and in your program, when you are working with 8 1/2 inches physical form length.

7. Lift off pressure bar (bar with the two black knobs on both sides). Check, that bar is correctly lifted on both sides.

## Operating Instructions for Cut Sheet Feeder RS 901

8. Adjust the paper guides for loading the paper. Keep little play between guides and paper so that the paper cannot be jammed between the two guides.
9. Load the paper in the paper tray. (Not too much, the black bar with the scale will prevent loading of too much paper).  
  
Note: The paper should be in the center of the RS 901 for preventing skew. Center can easily be found by scale of the black bar.
10. Push down pressure bar. Check, that it is correctly pushed on both sides. Now the paper has friction and can be transported during the platen movement.
11. In case you have not installed the paper deflector (page 4-3) you have to center the print head (approx. pos. 65).
12. Push Reset-Button.
13. The lamp is now still flickering slowly. Turn the printer platen so that the paper is transported forward. After a certain time the lamp will be constant. As soon as this occurs, the RS 901 is under program control and synchronized with the printer or terminal.

Move the paper until you are at the position you like to print the first line or to start the program. This point can be any position on the paper, it could be e.g. the upper edge of the sheet on the height of the card guide. This could help you to have a good reference point for repositioning. If you are at this position, set top of form on printer or terminal if this is necessary.

Note: Never move more than one line reverse, this will result in error-signal.

14. Start your program. After finishing one sheet, send Form Feed Code (or signal for next page) to the printer or terminal. The next sheet will automatically be positioned at the same position.

Note: Never start your program when lamp on RS 901 is not constant. In this case, turn-in manually next sheet and then lamp will be constant.

In case you have not installed the paper deflector (page 4-3), it is very important, that the printhead is in the middle (approx. pos. 65) during a vertical paper transport when changing from one sheet to the other. This is only necessary during the period the paper is not caught by pickers.

## Operating instructions for Cut Sheet Feeder RS 901

In case of paper jam: Audible signal.  
Visible signal (fast flickering lamp).  
Electrical signal to paper out line.

- Push Reset-Button on RS 901.
- Lift off pressure bar (with two black knobs).
- Clear RS 901 from paper in the rollers or underneath the unit.
- Restart on point 10.

In case of paper out: Audible signal.  
Visible signal (fast flickering lamp).  
Electrical signal to paper out line.

- Push Reset-Button on RS 901.
- Lift off pressure bar (with two black knobs).
- Restart on point 9 after clearing the RS 901 from paper.

Job interruption: - Lift off pressure bar (with two black knobs).  
- Wait to paper out or error-signal.  
- Stop program and take out last sheet.  
- After interruption restart on point 10.

This is only for long term interruption. For normal interruption you just stop your program and restart it normally without any handling on the RS 901.

## Product Specification Cut Sheet Feeder RS 901

Physical Dimensions: Width: 520 mm (20,5")  
Height: 220 mm ( 8,6") over printer cover  
Depth: 270 mm (10,6")

Installation: Clipp-on/off like a tractor feed device

Weight: Approx 3,9 kgs.

Sheet sizes: Length: 91 mm - 356 mm (3,6" - 14")  
Width: 140 mm - 305 mm (5,5" - 12")

Capacity: Approx. 200 sheets of 80 g/m2 paper  
Approx. 230 sheets of 70 g/m2 paper

Paper Thickness: Cut sheets 70 - 100 g/m2 (18 - 26 lb)

Multi part form sets are possible under some restrictions:

Form sets with one-time-carbon have to be top glued, not more than 1 original and 3 copies. Last copy has to be min. 80 g/m2.

Form sets with chemical paper have to be top glued no more than 1 original and 3 copies. If the format is higher than wide, the grain direction has to be long grain, if the format is lower than wide, the grain direction has to be short grain.

The specifications above are only recommendations. There are so many types of paper and ways to make form sets, that we are unable to give you exact specification and absolute guarantee for trouble-free running on the feeder. Please check yourself while running your forms.

Power: + 5 V for logic, approx. 0,4 A  
+ 15 V for solenoid and lamp, approx. 0,6 A\*  
approx. 0,15 A average  
\*Maximum only during 5-10% of operation.

Interface: No interface is required. The unit works with the delivered interface-cable.

Electronics: Built-in single chip microprocessor for control of paper out, paper jam, error, form length etc.

Operation Temperatures: 50°F - 105°F (10°C - 41°C)

Storage Temperatures: - 40° to 150°F (-40° to 66°C )

Relative humidity: Operating: 15% to 85%  
(non-condensing) Storage: 15% to 90%