Avery Weigh-Tronix

TM-295 Printer User's Guide

Operation

1. An ON/OFF power switch is recessed on the left side. The 24 Vdc power source is connected via a spring-loaded interlocking connector. The RS-232 serial interface cable attaches to a female 25-pin connector on the rear of the printer. The control panel has three operator keys and three lighted indicators. The lights indicate when power is applied, paper is present, and if the paper is released for removal. The buttons allow for forward feeding, reverse feeding, and the release of the paper

2. The print surface has an open throat design allowing paper to be inserted from three directions.

3. The TM-295 uses a ribbon ink cartridge. Slide the cover to the left and swing it towards you for access.

4. SELF TEST

   a) Apply power to the printer and press the **RELEASE** key.
   b) Insert a piece of paper
   c) Turn off the printer
   d) Hold down the **RELEASE** key and turn the power back on.
   e) Remove your finger from the **RELEASE** key. The printer will provide its current serial interface configuration settings. Press **RELEASE** to allow for paper removal, and observe the print out.
   f) Inserting a new piece of paper allows the printer to produce a test pattern and print "completed" when finished. (More than one piece of paper will be required.)

5. Programming switches are located on the bottom of the printer. These switches allow the printer serial interface selections to be configured. (The current settings were printed during the self-test.) Defaults are shown in **bold** in the following table.

SW	Function	ON	OFF	1200	2400	4800	9600
1	Data reception error	**Ignored**	Prints "?"				
2	receiver buffer capacity	35 bytes	**512 bytes**				
3	Handshaking	XON/XOFF	**DTR/CSR**				
4	Word length	**7 bits**	8 bits				
5	Parity check	**Yes**	No				
6	Parity selection	**Even**	Odd				
7	BAUD RATE	-	-	ON	OFF	ON	**OFF**
8	BAUD RATE	-	-	ON	ON	OFF	**OFF**
9	Pin 6 reset signal	**Not used**	Not used				
10	Pin 25 reset signal	**Not used**	Not used				

Common TM-295 Printer Control Codes

Following is a list of common commands associated with the TM-295 Printer and the control codes to activate them. These codes can be entered into the ASCII string or in a layout as a control code character in the indicator. When these codes are sent to the printer it responds accordingly.

Function	Decimal Code	HEX Code
INITIALIZE PRINTER	27, 64	1B, 40
REVERSE PAPER FEED *	27, 101, N "N"=#OF LINE FEEDS	1B, 65, N "N"=#OF LINE FEEDS
PRINT & FEED "N" LINES *	27, 100, N "N"=#OF LINE FEEDS	1B, 64, N "N"=#OF LINE FEEDS
UPSIDE DOWN PRINTING * (inverted print)	27, 123, 1	1B, 7B, 1
PAPER RELEASE *	27, 113	1B, 71
ENABLE TOP OF FORM PAPER SENSOR *	27, 99, 52, 16	1B, 63, 34, 10
ENABLE BOTTOM OF FORM PAPER SENSOR *	27, 99, 52, 32	1B, 63, 34, 20
ENABLE PANEL BUTTONS *	27, 99, 53, 1	1B, 63, 35, 1
DOUBLE WIDE PRINT *	27, 33, 32	1B, 21, 20
DOUBLE HIGH PRINT *	27, 33, 16	1B, 21, 10
DOUBLE WIDE AND DOUBLE HIGH PRINT *	27, 33, 48	1B, 21, 30

* Changing the last digit of the code to a 0 will disable this feature.

Connections:

PIN 1	CHASSIS GROUND
PIN 2	TRANSMIT
PIN 3	RECEIVE
PIN 4	RTS (IF NEEDED)
PIN 6	DTS (IF NEEDED)
PIN 7	SIGNAL GROUND
PIN 20	DTR (IF NEEDED)

STOCKED PART NUMBERS

48525-0013	PRINTER W/ POWER SUPPLY
48525-0021	PRINTER ONLY
48525-0039	POWER SUPPLY ONLY
48525-0047	INK RIBBON CARTRIDGE

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