FEATURES: Function Keys • Memory Lock Facility • Split Screen Operation • Half Intensity • Independent Auxiliary I/O Port • Single Key Cursor Control • Visual Attribute Control

The DM1A is a microprocessor based terminal incorporating all features found in the DM10 plus those additionally listed above. Typical applications are both stand alone and network based which requires utilization of a limited number of function keys, half intensity and cursor control features.

The expanded conversational DM1A allows for bidirectional communications to an auxiliary peripheral device.
The DM1S is a DM1A with socket provision for OEM applications. The DM 'S' Series offers as standard both synchronous and asynchronous I/O capability.

For those applications similar to the DM1A that require special protocols (firmware) the DM1S is your answer. You may develop your own firmware or have it developed by Beehive.

SPECIFICATIONS

DISPLAY FORMAT
24 lines x 80 characters

STATUS LINE
25th line of display

CRT SIZE
12" measured diagonally

CHARACTER SIZE
Approximately 0.2" high x 0.1" wide

CHARACTER TYPE (Alphanumeric)
128 displayable ASCII characters, each formed within an 8 x 8 dot matrix. Descenders on lower case characters.

CHARACTER TYPE (Line Drawing)
Eleven graphic symbols for drawing forms and contiguous lines

CHARACTER GENERATION
MOS ROM

REFRESH RATE
50 Hz - 60 Hz (Programmable)

REFRESH MEMORY
MOS RAM

CHARACTER DISPLAY
Light characters on a dark background or dark characters on a light background (switch selectable).

VISUAL ATTRIBUTES
Normal, Reverse, Blink, Underline, Half Intensity, and Security Fields

TABULATION
Fixed tab stops occur each eight character positions

CURSOR
Non-destructive blinking block

MEMORY LOCK
The display area above the line the cursor is currently on is frozen on the screen.

LINE LOCK
The host CPU may selectively designate reserved display lines.

MEMORY ADDRESS pointer
An invisible cursor that is used to read and write to and from display memory independent of visible screen functions.

CURSOR CONTROL
Up, down, left, right, home, carriage return, line feed

CURSOR SENSE
Cursor position is transmitted to the host upon request

CURSOR ADDRESSING
Direct X-Y cursor positioning by line and column

MEMORY POINTER DATA SENSE
ASCII value of the character located at the memory address pointer

READ TERMINAL STATUS
A 27 byte status message reflecting switch setting, diagnostic results, communication protocol, etc.

SCROLL
When display memory is filled the bottom line data will scroll upward. Top down overwrite (roll) is switch selectable.

COMMUNICATIONS INTERFACE
Serial RS232C/Current Loop

TRANSMISSION RATE
Switch selectable 110 to 19.2K baud (EIA) Switch selectable 110 to 9,600 baud (CL)

PARITY
Switch selectable, odd, even, mark or space

COMMUNICATION MODE
Full duplex
Half duplex
Echoplex
Asynchronous only

OPERATIONAL MODES
Conversational: Character by character transmission.
Local: Off-line display data entry
Line Monitor: Displays all ESC codes and control code sequences

TERMINATION CHARACTER
Switch selectable CR, EOT, CR LF, ETX

TIME OF DAY CLOCK
A clock that may be set by the host CPU or operator

CPU MESSAGE DEPOSIT
An 80 character message buffer holds host CPU data and prints "MSG WAIT" on status line for operator recovery

ERROR INDICATORS
Status line messages reflecting self test

BELL
Audible alarm upon receipt of control G or as the cursor passes through the 72 character location when data is being entered from the keyboard. The continuous alarm on/off feature is included

KEYBOARD
A 61 key ANSI compatible TTY/Typewriter compatible layout featuring auto repeat, two key rollover, alpha lock and lower case inhibit. Also includes a 14 key numeric pad with associated field termination control keys.

The 12 programmed function keys and cursor movement keys are included

SELF DIAGNOSIS
Either through host CPU control, operator initiated, or upon power up

INPUT VOLTAGE AND FREQUENCY
115 VACs 10% 60 Hz

ENVIRONMENTAL SPECIFICATION
Altitude: Sea level to 10,000 feet Temperature: 0°C to 40°C Humidity: 10 to 80% (Non-condensing)

TERMINAL SIZE
18"W x 13"H x 22.5"D

TERMINAL WEIGHT
43 lbs. (Approximate)

TERMINAL FINISH
Textured

OPTIONS
- 200 VACs 10% 50 Hz
- Composite Video

SPECIFICATIONS SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE

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