



HAL COMMUNICATIONS CORP.

DKB-2010 DUAL MODE KEYBOARD



GENERAL

The DKB-2010 Dual Mode Keyboard provides generation of Morse and Baudot (5 level) code at the stroke of a keyswitch. The standard or optional buffer memory allows a typing rate in excess of output rate. Two Morse output lines and an isolated TTY loop switch are provided.

SPECIFICATIONS

Electrical, Morse Mode

Outputs: Transistor switch for keying positive or negative voltage to ground. Rated ± 150 VDC @ 150 ma.

Data Rate: Variable over a nominal range of 8-60 WPM.

Character Weight (Dot-space ratio):

Heavy (5:3), Normal (1:1), Light (3:5), Very Light (1:7).

Sidetone Oscillator: Internal speaker with rear panel audio output. Volume adjustable by panel control, pitch adjustable by internal control.

Keyfunctions: 26 alphabetic, 10 numeric, 9 punctuation marks, 5 special character keys (\overline{SK} , \overline{AS} , \overline{AR} , \overline{KN} , \overline{BT}). 2 shift, 1 tune, 1 error, 1 word space, 1 identifier (up to 15 characters), 2 three character keys (CQ, AUX). All Baudot only keys produce the Morse error signal. ID key and three character keys may be customer specified. ID functions must be the same for Morse and Baudot.

Electrical, BAUDOT Mode.

Output: Isolated transistor switch for keying a TTY current loop, rated 250 VDC @ 80 ma.

Data Rate: 45 baud (60 WPM, select time = 22.0 msec.)

50 baud (66 WPM, select time = 20.0 msec.)

57 baud (75 WPM, select time = 17.57 msec.)

74 baud (100 WPM, select time = 13.47 msec.)

Data Rate Accuracy: Crystal Controlled to $\pm .05\%$.

Word Format: 1 start bit (space), 5 data bits (mark or space), 1.5 stop bits (mark).

Keyfunctions: 26 alphabetic, 10 numeric, 14 punctuation marks, 1 bell, 5 carriage control, 2 shift, 1 break, 1 space bar, 1 "Quick Brown Fox" test message, 1 identifier key (up to 15 characters), 2 three-character keys (CQ, AUX). ID key and three-character keys may be customer specified. ID functions must be the same for Morse and Baudot.

Automatic Case Shift: Numbers may be transmitted without the use of the shift key; case shift codes are transmitted automatically.

Electrical, General

N-key Rollover: New key may be pressed before the preceding key is released.

Buffer Memory: Stores up to 3 characters if entry rate exceeds transmission rate. Optional 128 or 64 key memories.

End of Line Indicator: Visual indication and audio tone burst is sent after 64 printing characters following the last carriage return.

Physical

Cabinet Size: 5.0 H x 9.0 D x 13.5 W (inches)
12,7 H x 22,9 D x 34,3 W (cm)

Cabinet Finish: Light gray front panel;
Textured dark gray bottom, rear panel, and sides.

Weight: 6 lbs. (2,73 kg) net, 12 lbs. (5,5 kg) shipping

Power: 105-125 VAC (210-250 VAC optional), 50-60 Hz 20 watts

OPTIONAL EQUIPMENT

128 Key Buffer Memory

This buffer stores up to 128 key entries. A light indicates when the buffer is half full (half brilliance) and full (full brilliance).

64 Key Buffer Memory

This buffer stores up to 64 key entries. A light indicates when the buffer is full.

ORDERING INFORMATION

When ordering the DKB-2010, specify your call letters or message desired for coding the ID key and the coding (up to 3 characters) for the AUX key. Coding of the CQ key may be changed if desired. Specify optional buffer memory required if any.

Manufactured by:



HAL Communications Corp.

807 East Green St.
Box 365 Urbana, IL 61801
Phone 217-367-7373

Representative or Distributor: