



VBI-232 DATA ENCODER/DECODER



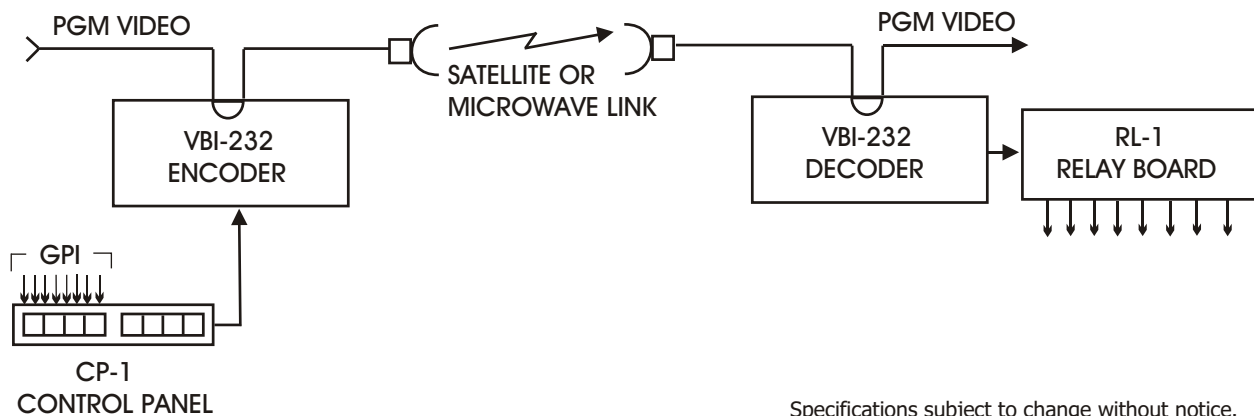
Remote Equipment Control via the Vertical Blanking Interval

The VBI-232 encoder and decoder will establish a reliable data link between any two sites where a baseband video link exists. Outgoing video is looped through the encoder at the transmission site. RS232 data is fed from the CP-1, eight button control panel to the encoder. Each button on the CP-1 may be jumpered for momentary or latching operation. A GPI option is also available. The encoder converts the RS232 data into biphasic pulses, and inserts these pulses into a user selected, clean line in the vertical blanking interval (line 12-21 for NTSC, line 9-22 for PAL).

At the receive site, the biphasic pulses are transparently extracted from looped-through video at the decoder, and converted back to RS232. This data is fed to the RL-1 relay board. Each of the eight relays may be jumpered for N.O. or N.C. operation. These 2 amp relay contacts are brought out to a rear panel barrier strip, or if housed in a Leitch DA frame, they are brought out to individual BNC's. (The encoder/decoder and relay boards will plug directly into a Leitch video DA frame, or may be housed in the BVS FR710, 1RU frame and power supply).

The encoder will also accept RS232 data at a 1200 baud rate (via DB9 connector) directly from a PC, for applications where computer control is required. This data is then available on a DB9 connector at the decoder.

TYPICAL INSTALLATION VBI-232 SYSTEM



broadcast video systems corp.

10 Woltner Way, Markham, Ontario L3R 4R4
Ph(905)305-0565 Fax(416)946-1964 E-mail: bvs@bvs.ca Website: www.bvs.ca