

26 BIT WIEGAND SPECIFICATIONS

When the LED control input is pulled low, the GREEN LED will be ON and the RED LED will be OFF. When the input goes high the RED LED is ON and the GREEN LED is OFF. The RED or GREEN LED will flash with each key press. The LED control input is pulled to the internal +5v with a 2.2K resistor.

The data is sent at 2 millisecond. per bit with a pulse duration of 70 µsec. A Buzzer beeps with each key press.

DATA FORMAT

PIN data in 8 Bit burst output format:

Each Key press generates the defined 8 bit Output as shown:

KEY	OUTPUT	KEY	Output
0	11110000	6	10010110
1	11100001	7	10000111
2	11010010	8	01111000
3	11000011	9	01101001
4	10110100	*	01011010
5	10100101	#	01001011

Card data 26 WIEGAND output format.

- P S S S S S S S S N N N N N N N N N N N N N N N P
- BIT 1 2 9 10 25 26
- BIT 1 is an even parity for the following 12 bits. The sum of bits 1-13 is even.
- BITS 2-9 are the F/C the card presented from 000 to 255.
- BITS 10-25 this is the card number presented .
Leading 0's are added as required. Bit 10 is most significant.
- BIT 26 Odd parity over previous 12 bits. The sum of bits 14-26 is odd.

EXAMPLE: A card code of 123 entered:

1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 1 1 1 0 1 1 1 (F/C 004)

The data is sent at 2 msec per bit with pulse duration of 70 µsec. A Buzzer beeps each time card is presented.

- 1. **Orange Wire** - When the Hold Line, Orange wire, is pulled “low”, any CARD PRESENTED DATA is stored in the buffer. When the Hold Line is released to logic “high” – the buffered data is sent

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance Baran Advanced Technologies (86) LTD. could void the user’s authority to operate the equipment.