Proximity Reader GP30

Power Requirements   5~13.5 Volts regulated DC.
90 mA Max with a 12VDC.
Output Interface   Wiegand，Magstripe，9.6K Baud Serial ASCII(RS232)
Typical Maximum Read Range 30cm with ISO card
Frequency   125KHz band , -16.88 dBuA/m
Dimensions   10.3 × 6.3 × 2cm
Temperature Range   -10 to 60 Deg C

Output Assignment

Red   Power ＋VDC
Black   Ground
White   Magstripe clock & Wiegand1, with internal 4K7 pull up
Green   RS232 data, Magstripe data & Wiegand0, with internal 4K7pull up
(pull up only for Wiegand and Magstripe)
Orange   Card Present Output with internal 4K7 pull up
Yellow   Program Input
Blue   External Beep. Positive Logic 5V on
Brown   External LED .Positive Logic 5V on
Note: Please cut off the unused wires.

Output Format

The output format can be customer programmed. The available formats are
Wiegand，Magstripe and Serial ASCII (RS232)。

	Wiegand		Magstripe		Serial ASCII
Red	Power +V	Red	Power +V	Red	Power +V
Black	Ground	Black	Ground	Black	Ground
White	Data1	Green	Data	Green	TX Data
Green	Data0	White	Clock(Strobe)	Yellow	Cut off
Yellow	Connect to White	Orange	Card Present	White	Cut off
Orange	Cut off	Yellow	Connect to Orange	Orange	Cut off

Data Structure

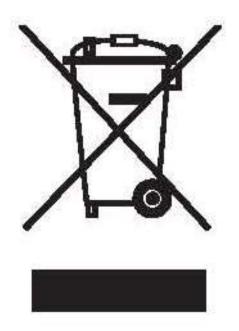**Serial ASCII(RS-232)Baud Rate: 9600, No parity, 8 data dits,1stop bit**

STX(02 HEX)	DATA(10 HEX CHARACTERS)	CR	LF	ETX(03 HEX)

Magstripe Emulation:(ABA Track 2)
Speed : Simulated to 40 IPS (Inch per Second)

10 LEADING ZEROS	SS	DATA (14 DIGITS)	ES	LRC	10 TRAILING ZEROS

Wiegand :(Format-26 Bit)

Waste Electrical and Electronic Equipment (WEEE)
This symbol means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Proper recycling of your product will protect human health and the environment.

Manufacturer: GIGA-TMS INC.
Address: 8F, No. 31, Lane 169, Kang-Ning St., Hsi-Chih, New Taipei City 22180, Taiwan
TEL: 886-2-26954214
Website: www.gigatms.com.tw
Technical support: support@gigatms.com.tw