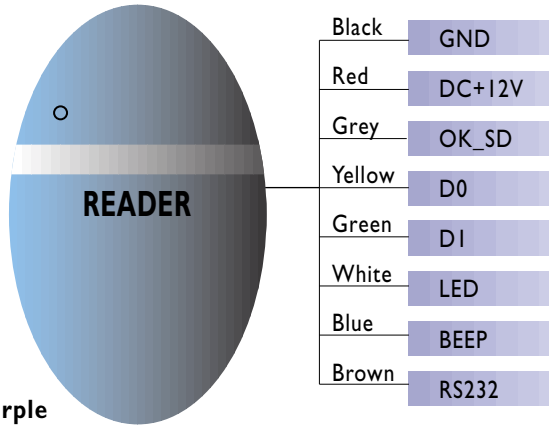
EM9917 READER

INTRODUCTION

EM9917 is a GK4001-Reader unit that reads code from Goldkey GK4001(ready only) and H4100,H4102 tags.
It is a major component in a RFID (Radio Frequency Identification) Reader system. Its usage includes office/home security, personal identification, animal transponder, anti-forgery, interactive toy, manufacturing and control systems.
EM9917 Reader is classified as a contactless card reader, based on RFID technology, which reads RFID transponder without making contacts (in the proximity).
Each RFID transponder is embedded with a unique code during manufacturing process.
This code is the identification of each card.

UNIT

This reader is manufactured in a PCB containing RF circuits with an 8-bit microcontroller that directs data output connections. Its main functions are driving the antenna, sending demodulated data to microcontroller, checking the input data code and processing output data format from transponder.



A 18 Pin microcontroller is used to convert input pulse signals to Manchester code, check the input data code and process the output data format.

Data Connection of Reader

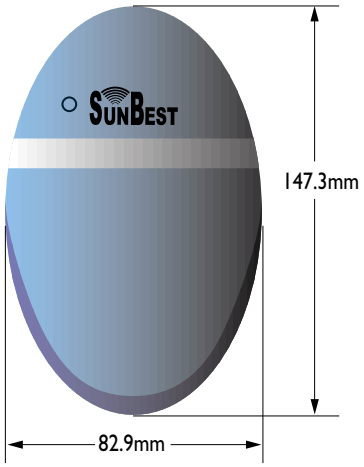
Number	Color	Name	Description
1	BLACK	GND	GND
2	RED	DC+12V	DC+12V POWER
3	GREY	OK_SD	INDICATION LINE FOR WIEGAND 26
4	YELLOW	D0	WEIGAND 26 DATA0
5	GREEN	D1	WEIGAD 26 DATA1
6	WHITE	LED	LED Control line, the green light is on while LED pulled low
7	BLUE	BEEP	Buzzer Control line, the buzzer beep while BEEP pulled low
8	BROWN	RS232	RS232 Data TXD

FEATURES

- Read RFID transponders, such as contactless chip cards and tags
- RS-232 interface & weigand 26 Format
- Read cards and tags contactlessly
- LED indicator to show operation status
- Audible beeper to show reading status.

SPECIFICATIONS

- Power requirement: DC12V, 200mA
- Reading range : 12-15CM
- Reading speed:less then 70mS
- Frequency: 125KHz carrier frequency
- Operating Temperature: 0 to 55 Deg.C
- Storage Temperature: -25 to 65 Deg.C
- Humidity:5-95%RH



AVAILABLE VERSION

- RS-232 interface, 9600 baud, n, 8,1 & weigand 26 Format.

DIMENSION

Two levels
147.3 mm X 82.9 mm
(not including connected pin)

APPLICATIONS

- Access controls
- Personal identification
- Parking systems
- POS systems
- Security systems
- Access systems