

EM9926 READER

INTRODUCTION

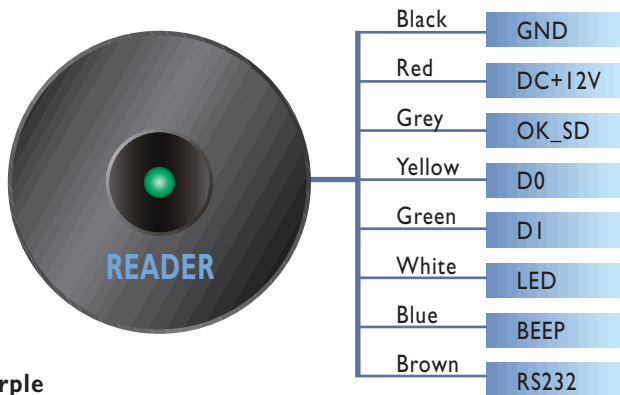
GK4001-Reader unit that reads code from Goldkey GK4001(ready only) and H4100 H4102 GK4011(read/write) tags is a major component in a RFID (Radio Frequency Identification) Reader system.

Its applications include Office/home security, Personal identification, Animal transponder, Anti-forgery, Interactive toy, Manufacture and control systems. 4001 Reader is so-called Contactless card reader, based on RFID technology, which reads RFID transponder without making contacts (in the proximity) . Each RFID transponder is written with a unique code during manufacturing process.

This code is the identification of each card.

UNIT

This reader is supplied in a PCB containing RF circuits, an 8-bit microcontroller and 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.



Purple

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

APPLICATIONS

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

DIMENSION

Two levels 78.08mm X 78.08mm
(not including connected pin)

