

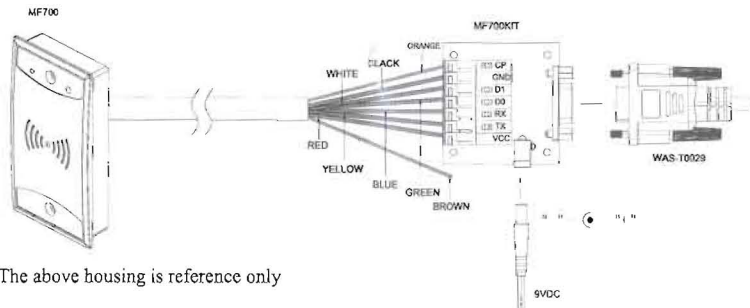
MF700 Wires Assignment

Wires Assignment

Color	Symbol	I/O	Description
Red	VCC	IN	Power Input : DC 7.5V~24V
Black	GND	IN	Power Ground
White	DATA 1	OUT	Wiegand Data 1 Signal / ABA TK2 Clock (Strobe)
Green	DATA 0	OUT	Wiegand Data 0 Signal / ABA TK2 Data
Yellow	TXD	OUT	RS232 TXD (To Host RXD)
Blue	RXD	IN	RS232 RXD (To Host TXD)
Orange	CP	OUT	ABA TK2 Card Present
Brown	LED/BUZZER	IN	External LED/BUZZER Control

Connect To MF7XXKIT before configure the MF7XX Reader.

To configure the MF7XX reader you need connect the reader to the MF7XXKIT first as below:



The above housing is reference only

Remark:

2004/10/29: New Brown wire is for External LED/Buzzer Control, and Blue wire is keep in RS232 RX signal for communication only.

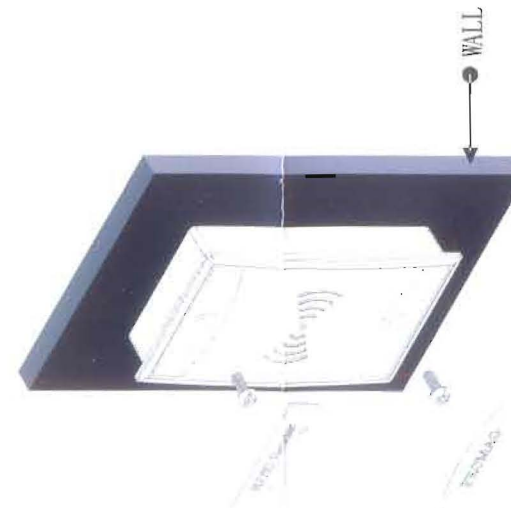
Note:

MF7XXKIT is a test connection kit for MF7XX configuration use. It is an optional item for purchasing

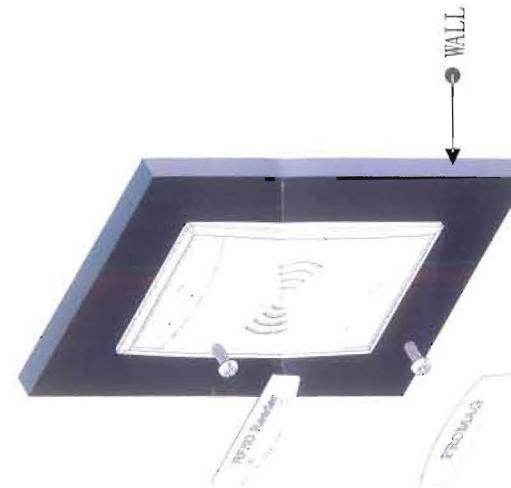
DOC# TM951094-01

Installation options

1.



2.



PIN INFORMATION DB9-FEMALE

MF700 Wires Assignment

PIN + / ADAPTER +
PIN - / ADAPTER - / 5
8
6
2
3
1
FREE
FREE

Wires Assignment

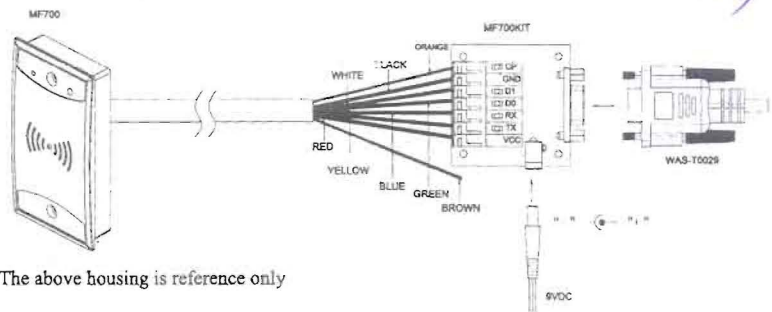
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SHIELD

Connect To MF7XXXKIT before configure the MF7XX Reader.

To configure the MF7XX reader you need connect the reader to the MF7XXXKIT first as below:

(NOTE:-
BLACK CONNECT WITH DB9 + ADAPTER PIN (SHORT).)



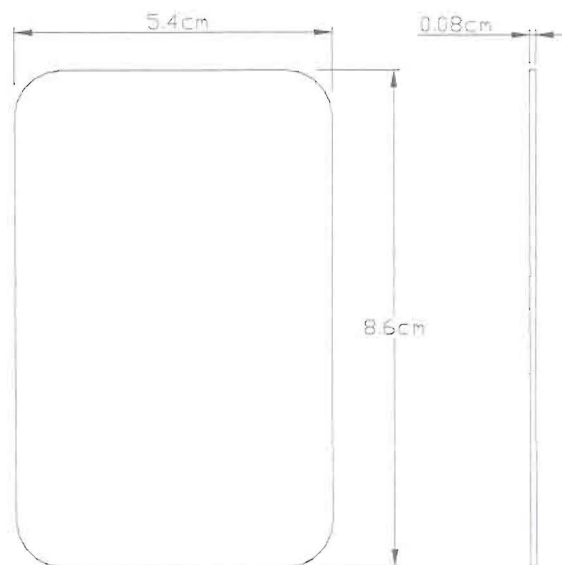
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mifare Card MFA01A contactless smart card

Specifications

Typical maximum read range:

MF7 Read only up to 5 cm

MF8 Read only up to 8 cm

AC906 Read/Write up to 5 cm

Dimensions:

8.6 X 5.4 X 0.08cm

Card Material:

PVC or PET

Chip type:

MF1 IC S50 1 K Bytes

Frequency:

13.56 MHZ

Standard:

ISO 14443, TypeA

Transaction Time:

<100 ms typical

Baud rate:

106 K baud

Memory type:

EEPROM , read/write

Multi-application Memory:

16 sectors (4 blocks X 16bytes)

Fixed serial number:

Unique , 32 bit

Write Endurance:

100,000 cycles

Data Retention:

10 years

Operating temperature:

-25° to 70°C

Features

Read/Write Security:

Read/Write operation with key protection

Reliable:

Offer consistent read range and unaffected by body shielding

Photo ID Compatible:

Print directly to the card with a direct image or thermal transfer printer

Long life:

Passive, no-battery for an infinite number of reads



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