User Guide

FC CE

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3 Terminal cables

4 Screws

Features

- Allows significant reduction in power consumption
- Flexible delay time 0.1~600 sec. for option
- Built-in perpetual calendar function
- Built-in one relay, 4 DI and 4 DO
- Up to 1,200 Transaction logs
- Run as a standalone controller while the host controller failure
- Built-in watchdog
- Perfect for energy-saving usage
- 4 LEDs for Stand-by, Card OK and Card Error indicator
- 1 Beep for sound indicator
- Programmable by PC software

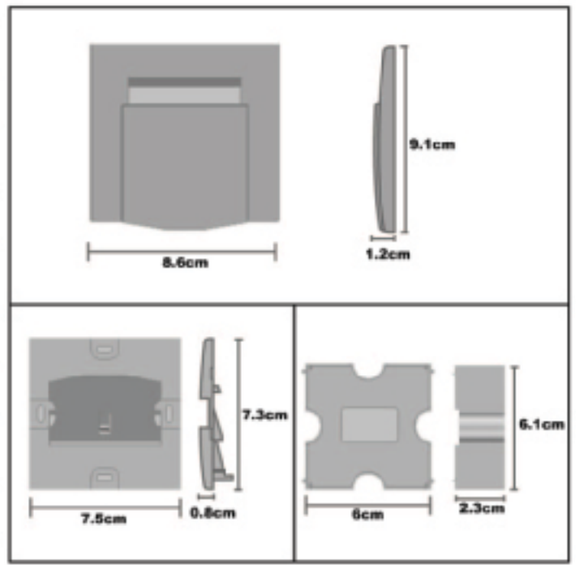
Front Panel Indicators

1.White LED lights up by no medium inserted
2.Green LED lights up and one beep sounds by valid medium insterted
3.Red LED lights up and two beeps sound by invalid medium insterted

Specification

RF Frequency	13.56MHz
Power Requirement	12-24VDC
Power Consumption	< 1W
Communication Port	RS-485, 9600,N,8,1
Indicators	4 x LED (Green, Red, Whitex2),1 x Beeper
Input / Output	1 Relay Output（Form C）, 3 Transistor Outputs (O.C.), 4 digital inputs（Low Active）
Relay time	0, 0.1~600 Sec
Compliance	ISO14443A
Supported Tags	Mifare 1(S50), Mifare Pro(S70)
Dimensions（mm）	91(L)*86(W)*35(H)
Material	ABS
Environment	-20°C ~ + 75°C
Card Capacity	1024／Unlimited（SOR only）
Standalone	Yes
Networking	Yes (Host computer / AR-716E Controller)
SOR Support	Yes
Transaction log	1200

Dimensions



Connectors

Table 1 - CN1 (8-pin)

Wire Application	Wire	Color	Description
Relay Output	1	Blue White	Relay (N.O.) DC24V/1Amp
	2	Purple White	Relay (N.C.) DC24V/1Amp
	3	White	Relay (COM) DC24V/1Amp
DI	4	Orange	DI2 (Low Active)
DI	5	Purple	DI3 (Low Active)
Card Present	6	Grey	Transistor Output (O.C. Low Active)
Power	7	Thick Red	DC Power 12V
	8	Thick Black	DC Power 0V

Table 2 -CN2 (4-pin Input/Output)

Wire Application	Wire	Color	Description
Input and Output	1	Brown White	DI-1(Low Active)
	2	Red White	DI-0(Low Active)
	3	Yellow White	DO-1(Transistor Output)
	4	Orange White	DO-0(Transistor Output)

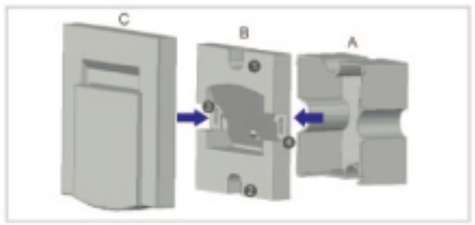
Table 3 - CN3 (2-pin)

Wire Application	Wire	Color	Description
Networking Module	1	Thick Green	RS-485 (B-)
	2	Thick Blue	RS-485 (A+)

Installation

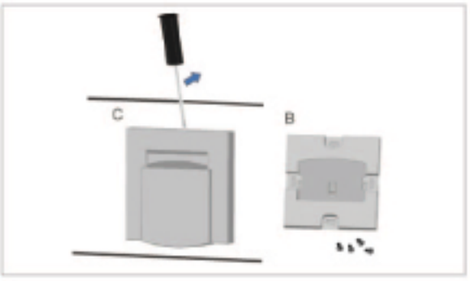
Install

1.Assemble (A) and (B) to make 1 unit.
2.Plug the connectors into the rear of the reader.
3.Using a screwdriver, screw the mounting plate to the wall.
4.Clip housing cover (C) onto the mounting plate.

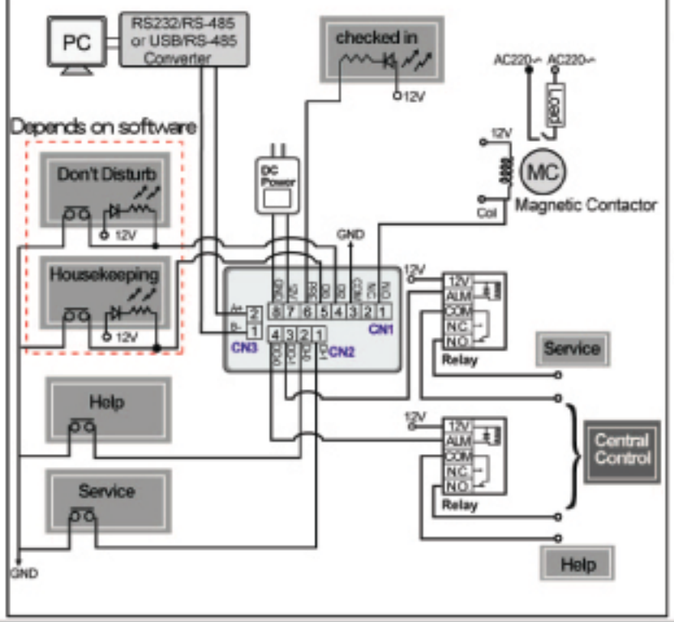


Uninstall

1.Using a flat bladed screwdriver, lever the housing cover from the mounting plate.
2.Using a screwdriver, remove the screws from the mounting plate.
3.Unplug the connector from the rear of the reader.



Example



Troubleshooting

Problem	Solutions
No response	1.Check if the power supply complied with 12-24 VDC. 2.Check the polarity of the power supply 3.After re-apply the opwer,the unit should beep one and 4 LEDs should flash at a time.

Return of Products

If you think that you have a defective unit,please contact your supplier. All Services should only be supplied to the authorized distributor.