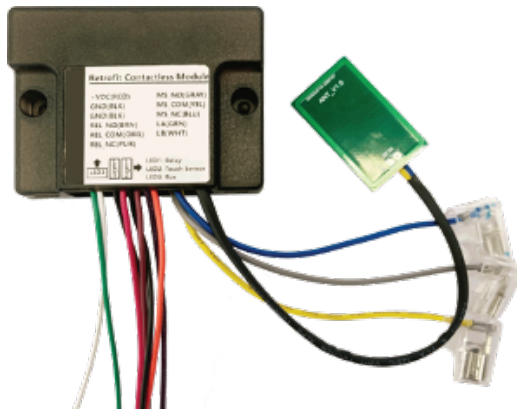




NO TOUCH ADA ACCESS RETROFIT MODULE



Retrofit Contactless Module (RCM)

RCMMOD



Two Wire Module (TWM)

TWMMOD



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Package

- Retrofit Contactless Module - 1
- Two Wire Module - 1
- Expansion Screws 4*20mm - 4
- Screw M3*20mm - 4
- Double Sided Adhesive 43x31x1mm - 2
- Acetate Cloth Tape 55x40x0.15mm - 1
- Installation and Operation Manual - 1

Specifications

Retrofit Contactless Module

Operating Voltage	DC 10-24V
Operating Current	200mA@12VDC (max)
Operating Temperature	-14°F - 140°F
Trigger Range	2 in. - 4 in.
Relay Output	Dry Contact, 30VDC with 1A (max)
Dimensions	L 2.36 in. x W 1.77 in. x H .79 in.

Two Wire Module

Operating Voltage	DC 10-24V
Operating Current	200mA@12VDC (max)
Operating Temperature	-14°F - 140°F
Communication Range	< 7.87 in.
Relay Output	Dry Contact, 30VDC with 1A (max)
Dimensions	L 2.56 in. x W 2.01 in. x H .75 in.

Installation

- Wiring all wires to the correct place.
- Fix the screws as shown in figure 1.
- Wiring the wires to the mechanical switch as shown in figure 2.
- Attach the antenna to the metal plate as shown in figure 3.
- Attach the acetate cloth tape to the back of the antenna as shown in figure 4.

Figure 1

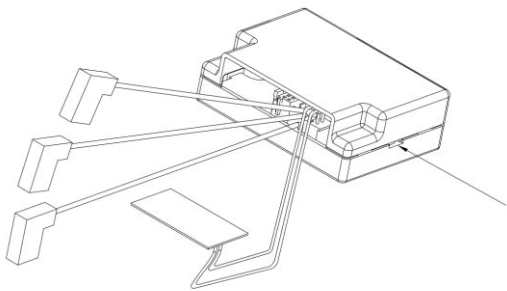


Figure 2

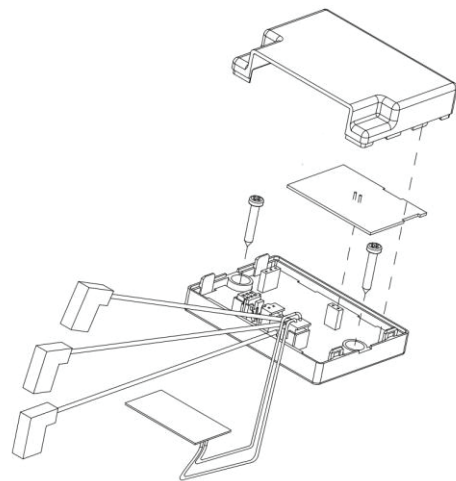


Figure 3

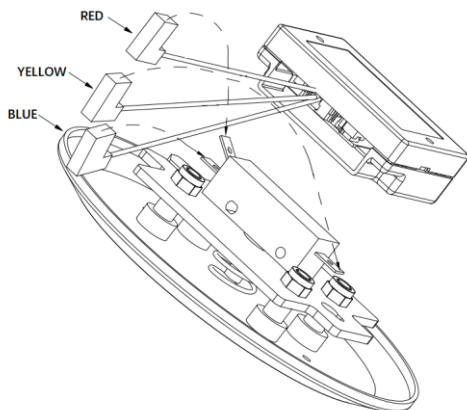
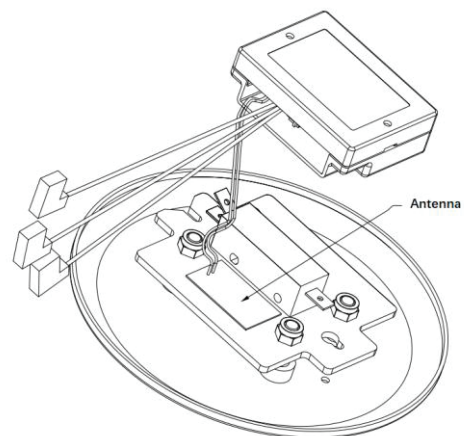
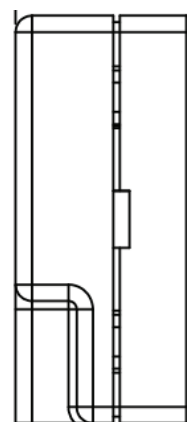
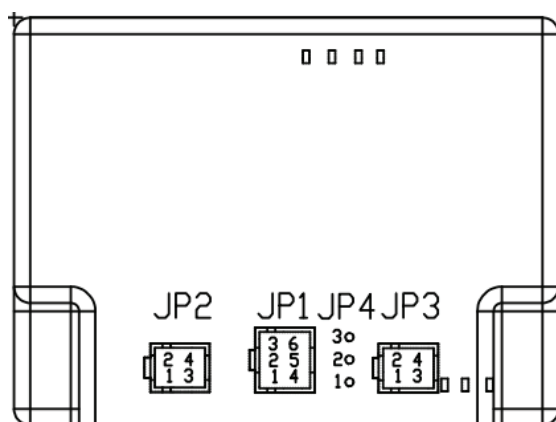


Figure 4



Retrofit Contactless Module



Connector	Definition
JP1	Connect to door controller
JP2	Connect to TWM(Master)
JP3	Antenna
JP4	Connect to Mechanical Switch

JP1 Wiring

1	RED	+12/24V	Power Supply
2	BLACK	GND	Ground
3	BLACK	GND	Ground
4	BROWN	RELAY_NO	Relay Output - Normal Open
5	ORANGE	RELAY_COM	Relay Output - Common
6	PURPLE	RELAY_NC	Relay Output - Normal Close

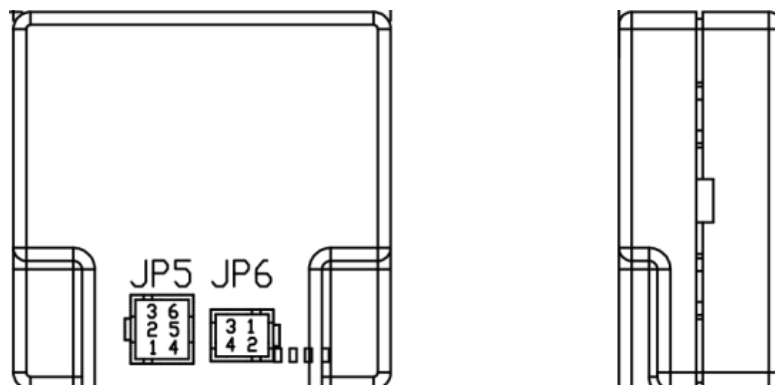
JP2 Wiring

3	GREEN	LA	Communication Bus - LA
4	WHITE	LB	Communication Bus - LB

JP4 Wiring

1	GRAY	MS_NO	Mechanical Switch - Normal Open
2	YELLOW	MS_COM	Mechanical Switch - Common
3	BLUE	MS_NC	Mechanical Switch - Normal Close

Two Wire Module



Connector	Definition
JP5	Connect to door controller
JP6	Connect to TWM(Slave) embedded in RCM

JP5 Wiring

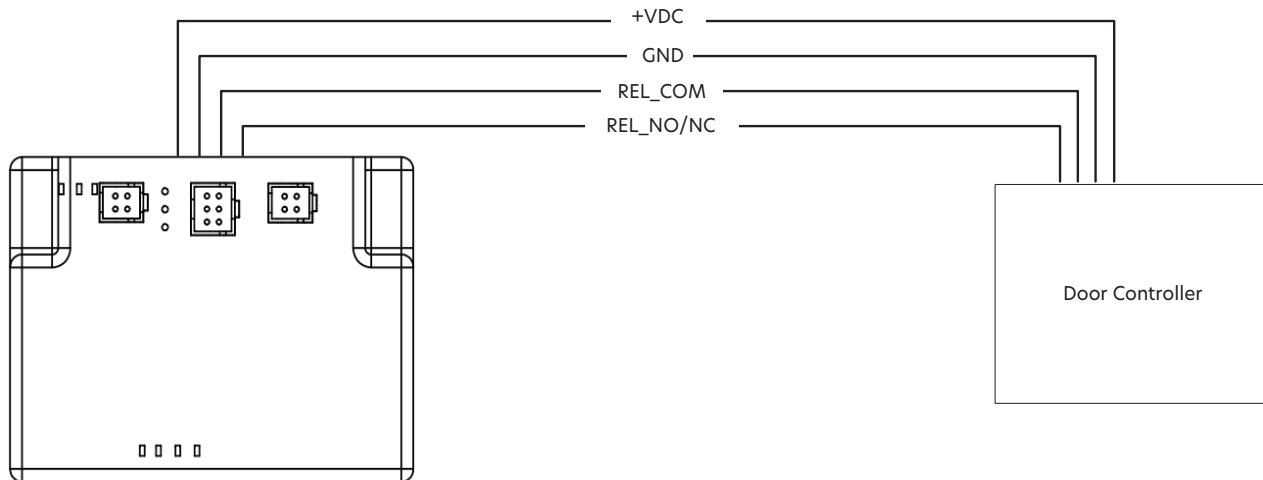
1	RED	+12/24V	Power Supply
2	BLACK	GND	Ground
3	BLACK	GND	Ground
4	BROWN	RELAY_NO	Relay Output - Normal Open
5	ORANGE	RELAY_COM	Relay Output - Common
6	PURPLE	RELAY_NC	Relay Output - Normal Close

JP6 Wiring

3	GREEN	LA	Communication Bus - LA
4	WHITE	LB	Communication Bus - LB

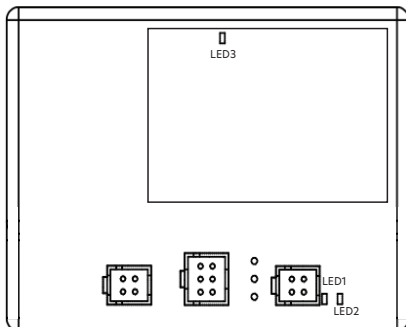
Wiring Diagrams

Normal Mode:



- Retrofit Contactless Module directly connects to door controller.
- Put your hand near the button then you will trigger the device. The relay inside the device will trigger for 1 second, and the buzzer will beep once.
- Support mechanical override.
- Enable and disable buzzer. Trigger the device 3 times in 10 seconds, and the 4th time keep your hand near the button (sensing range), until a long beep to complete. If the buzzer is enabled before the operation, it will no longer beep, and vice versa.

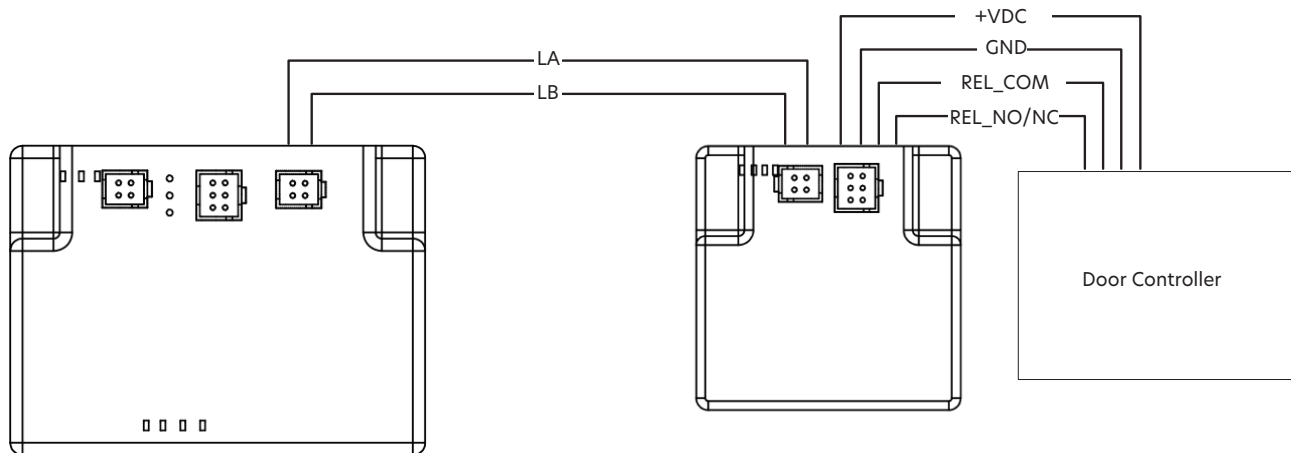
Retrofit Contactless Module LED Indicators:



- LED1 (Green LED) on: The relay is triggered
- LED2 (Red LED) on: The device powers on
- LED2 (Red LED) off: Inductive sensor is activated
- LED3 (Red LED) flash: Two Wire modules communicate normally

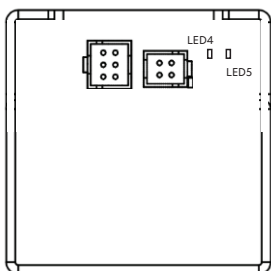
Wiring Diagrams

Normal Mode:



- Retrofit Contactless Module works with Two Wire Modules. Only two wires are needed for both power supply and data communication.
- Put your hand near the button then you will trigger the device, and the buzzer will beep once. TWM (Slave) embedded in the RCM will send the signal to the TWN (Master). The relay inside the TWN (Master) will trigger for 1 second.
- Support mechanical override.
- Enable and disable buzzer. Trigger the device 3 times in 10 seconds, and the 4th time keep your hand near the button (sensing range), until a long beep to complete. If the buzzer is enabled before the operation, it will no longer beep, and vice versa.

Two Wire Module LED Indicators:



- LED5 (Green LED) on: The relay is triggered
- LED4 (Red LED) flash: Two Wire modules communicate normally



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