Operation Instructions

M-518C Automatic Door Vehicle Smart RFID Tag

RFID VEHICLE TAG
MODEL:M-518FC

AC/DC 12~30V	Power input
NO 1 COM 1	Opening signal
NO 2 COM 2	Closing signal
IN	Placeholder induction
GND	External antenna
ANT	

Red led — Standby
Blue led — Working

Learning button | LED

Inductive distance
Near — Far
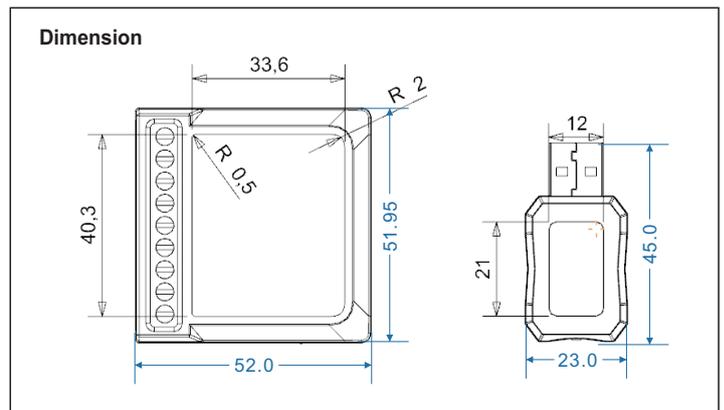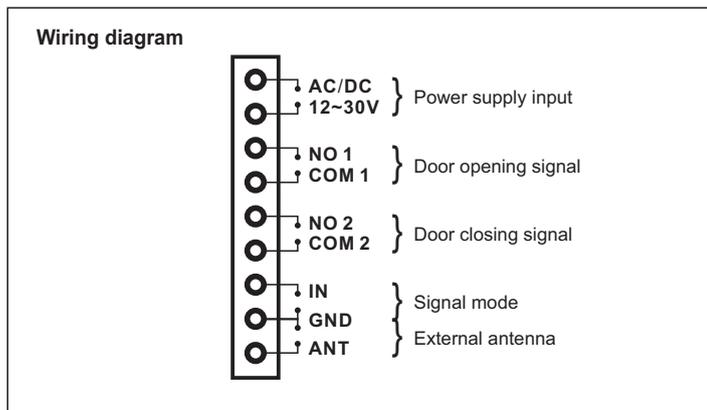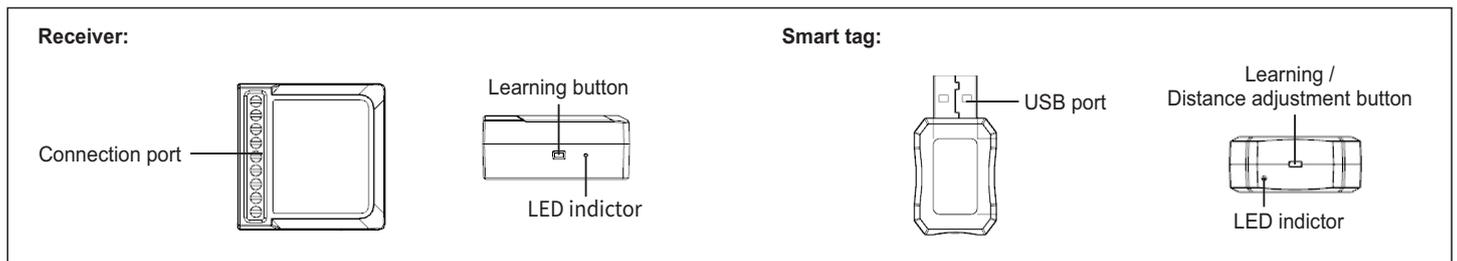RD GN BU
Push and hold 3S
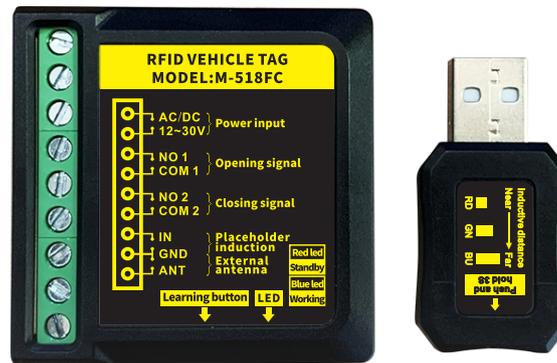
1 Safety Instruction

⚠ Thank you very much for purchasing this product, in order to use this product correctly, please be careful read this operating manual before using it.

2 Product Overview

Receiver:

Connection port

Learning button

LED indictor

Smart tag:

USB port

Learning / Distance adjustment button

LED indictor

Wiring diagram

AC/DC 12~30V	Power supply input
NO 1 COM 1	Door opening signal
NO 2 COM 2	Door closing signal
IN	Signal mode
GND	
ANT	External antenna

Dimension

33,6
R 2
R 0.5
40,3
51.95
52.0
12
21
45.0
23.0

3 Product instructions

(1) The car drives to the automatic door
a. The car has not reached the response distance range, the automatic door will not open;
b. The car has entered within the response distance, the automatic door opens automatically.
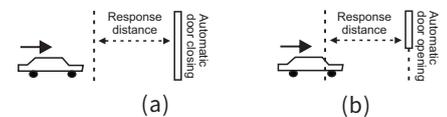
(2) The car leaves the automatic door
c. The car is not out of the response distance range, the automatic door is still open;
d. The car is out of the response distance, the automatic door closes automatically.

Response distance | Automatic door closing (a)
Response distance | Automatic door opening (b)
Response distance | Automatic door opening (c)
Response distance | Automatic door closing (d)
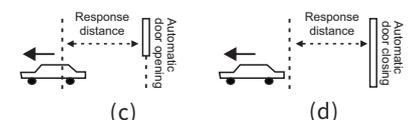
4 Function instructions

1. The receiver learns the vehicle tag ID
a. Please press the learning button of the receiver once, the blue indicator light is on; b. Press the smart tag button; c. The blue indicator light of the receiver flashes, paired successfully. (NOTE: Up to 300pcs ID in total)

2. Delete the matched tag's ID

Press and hold the learning buttonof the receiver for 5 seconds, the blue indicator light flashes quickly, all ID will be deleted.

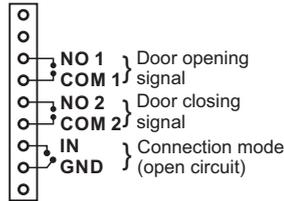## 3. Adjust the response distance between the vehicle tag and the receiver

The response distance is THREE levels in total, adjustment method as follows: Press and hold the smart tag button for 3 seconds, the indicator light will light up, release button and enter the response distance adjustment mode, then press the adjustment button again within 3 seconds, response distance level like the picture shows. If no any operation, after 3 seconds to automatically return back to working mode.

Inductive distance
Near ⟶ Far

RD   GN   BU
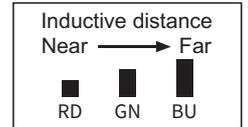
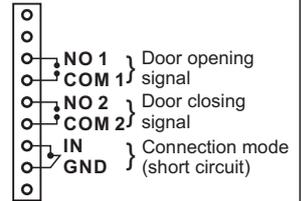## 4. Receiver output signal instructions

1) Door opening signal hold mode
Receiving the smart tag instructions continuously, door opening signal to maintain output, until smart tag's instruction is cut, output 1 second door opening signal.

NO 1 } Door opening
COM 1 } signal
NO 2 } Door closing
COM 2 } signal
IN } Connection mode
GND } (open circuit)

2) Door opening signal inching mode
Receiving the smart tag instructions continuously, door opening signal output for 1 second, until smart tag's instruction is cut, output 1 second door opening signal.

NO 1 } Door opening
COM 1 } signal
NO 2 } Door closing
COM 2 } signal
IN } Connection mode
GND } (short circuit)

5. Door closing signal instruction

Part of automatic door operators system need twice door opening signal, or make sure received door opening signal.
The closing signal can be set to output 1 or 2 times as follows:
After power off, press and hold the receiver learning button until power on again, when the indicator flashes, then release the learning button.
At this time, press the learning button, and the indicator flashes once, means only once door closing signal is output;
Flashing twice means that N (as picture shows) is 10 seconds, that is, after the output of the first door closing signal, the output of the second closing signal will be delayed for 10 seconds.
If flashing three times, N is 15 seconds; Four times, N is 20 seconds.
If flashing five times, N is 30 seconds; Six times, N is 45 seconds.

Door closing   Door closing
signal   signal
        N seconds
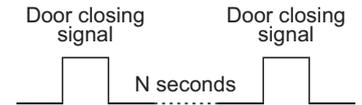
5 Technical parameters

Receiver:	
Power supply:	DC/AC 12-30V
Static current:	33mA(DC12V power)
Dynastic current:	72mA(DC12V power)
Dimension:	51.95(L)x52(W)x22.5(H)mm
Smart tag:	
Power supply:	DC 5V(USB port)
Static current:	13mA
Action current:	13mA
Sensing distance:	30 meters
Dimension:	45(L)x23(W)x9.6(H)mm

6 Packing List

NO.	Name	Quantity	Unit	Remark
1	Smart tag	1	Piece	
2	Receiver	1	Piece	
3	3M tape	1	Piece	
4	Operation Instructions	1	Piece	