User Manual

Anson®

UHF Vehicle Reader

1 Product Introduction

257mm

257mm

50mm

40mm

68mm

10mm

180mm

180mm

50mm

40mm

55mm

10mm
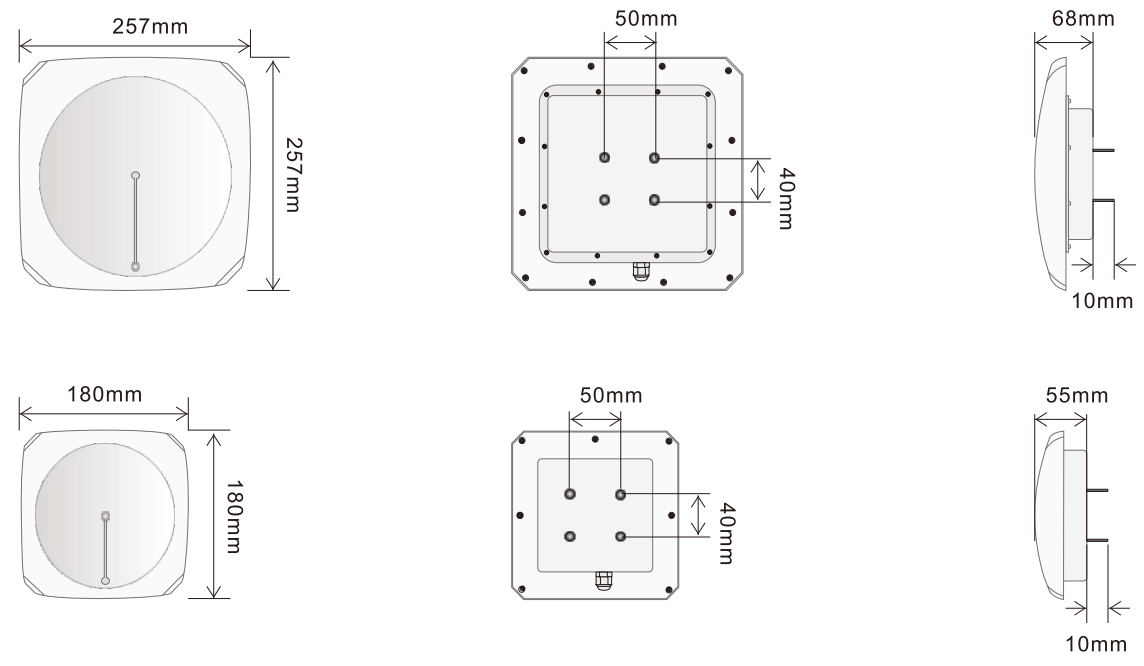
Statement

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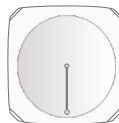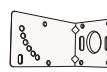
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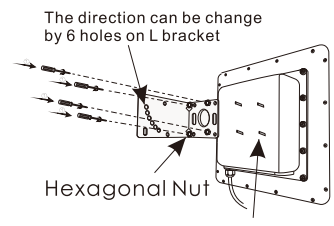
2 Packing List

UHF Vehicle Reader × 1

L Bracket × 1

Standard Bracket × 1 U Screw × 1

User Manual × 1

Hexagonal Nut × 4

DC 12V/3A Adapter × 1

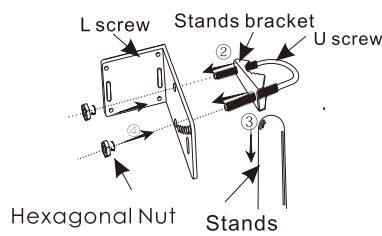# 3 Parameter

Item	Parameter	
Model	VR6	VR12
Interface	RS485, Wiegand26, Wiegand34, USB	
Sensing Distance	1-6m	1-12m
Frequency	865~868MHz / 902~928MHz	
Working Temperature	-20℃ - +80℃	
Working Humitdity	20% - 95%	
Voltage	DC 12V / <5W	DC 12V / <12W
Protocol	ISO18000-6B /6 C (EPC GEN2)	
Output Format	Wiegand26 / Wiegand34	
Size	L180 × W180 × H55	L257 × W257 × H68
Waterproof	IP66	
Related Card	HF01 / HF02 / HF01PET / HF02PET	

4 Installation

The direction can be change by 6 holes on L bracket

Hexagonal Nut

L Bracket Fixing Column

① To fix L

L screw
Stands bracket
U screw

Hexagonal Nut
Stands
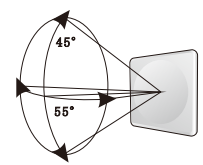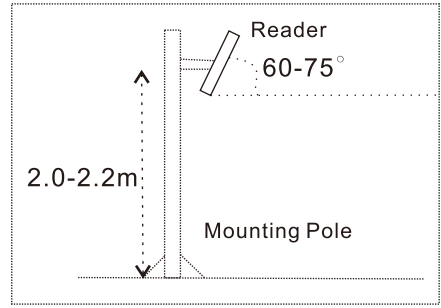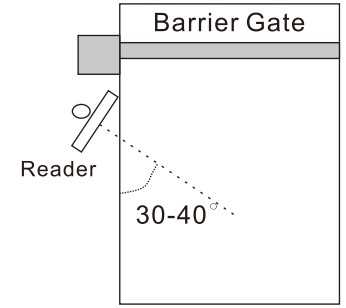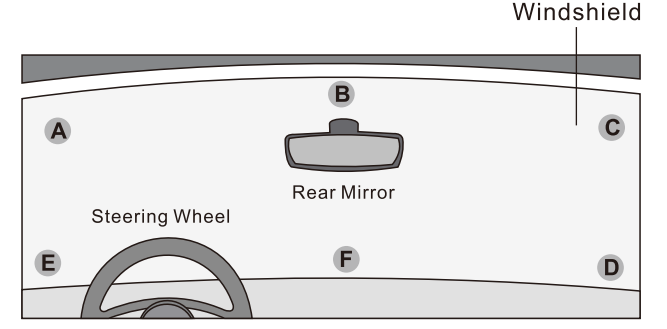
② To fix bracket via U
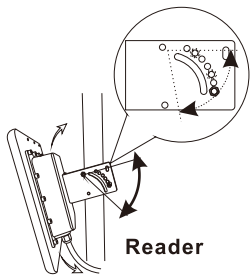
Reader

Please note the proximity range of reader should be vertical 45 degrees and the level of 55 degrees. Please refer to it when install.

45°
55°

Reader
Road
1

Reader
Road
2
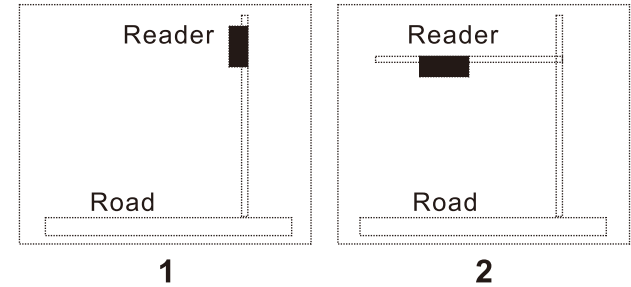
Installation 1 will be easy for install, but distance will be less than installation 2, installation 2 will be more diffcult for installation.
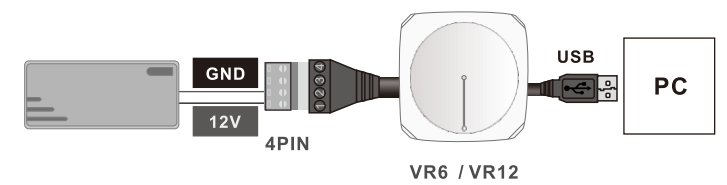
Barrier Gate

Reader

30-40

Reader
60-75°

2.0-2.2m

Mounting Pole

Tag Position in Vehicle

Windshield

B

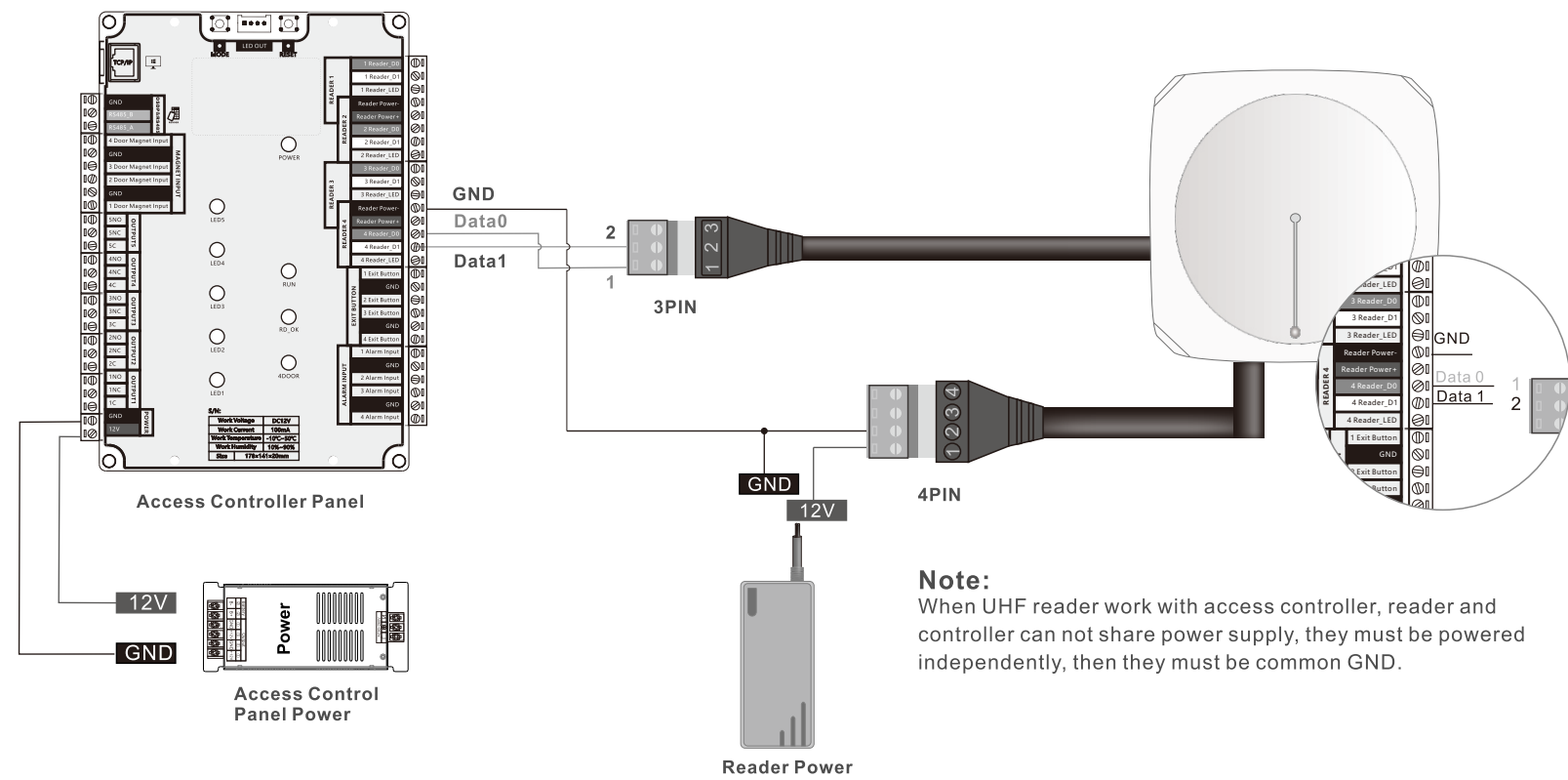A

C

Rear Mirror

Steering Wheel

E

F

D

In general, the parking devices are installed in the left side of the lane, then the tag should be stick in the position of above picture showed. For small vehicle, we suggest A, B and C position, for big truck or big bus, we suggest D, E and F position. The principal of the tag position is not cover the eyesight of driver.

5 Connect to PC

GND

12V

4PIN

USB

PC

VR6 / VR12

6 Wiring Diagram

GND
Data0
Data1

2

1

3PIN

GND
12V

4PIN

Access Controller Panel

12V
GND

Access Control Panel Power

GND

Data 0
Data 1

1
2

Note:
When UHF reader work with access controller, reader and controller can not share power supply, they must be powered independently, then they must be common GND.

12V

Reader Power

Wiring Description

Interface	Number	Function	Description
4PIN	1	DC 12V	Positive
	2	GND	Negative
	3	RS485-	/
	4	RS485+	/
3PIN	1	Data0	Wiegand Data0
	2	Data1	Wiegand Data1
	3	TRIGGER	/
USB	/	Connection	Connecting Computer