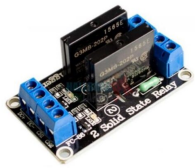
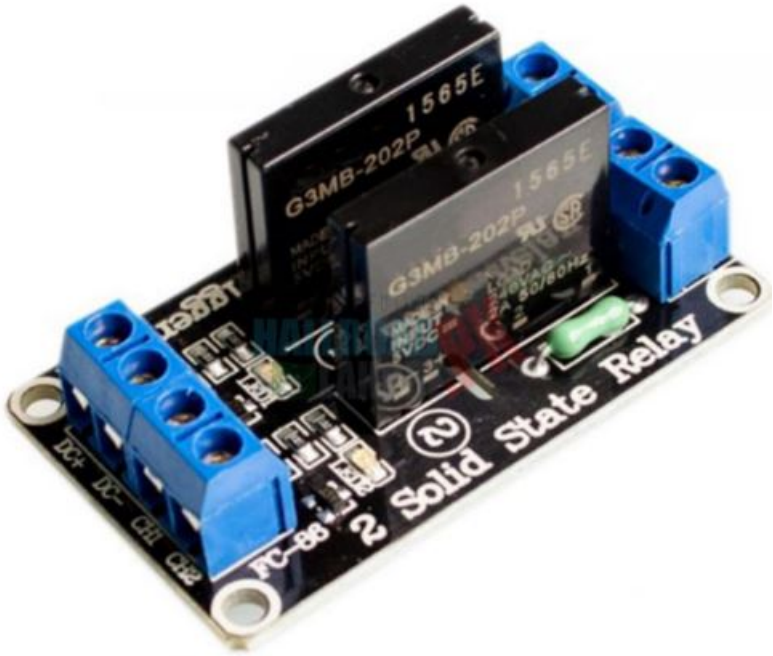


AMOSENSE ASUNBM00 Relay Module User Manual

Contents

AMOSENSE ASUNBM00 Relay Module



Product Information

Part Name	ASUNBM00 or/and ASUNBM01
Description	It is a module that relays wired/wireless communication between the BDC (Body domain controller) installed in the vehicle and the user's mobile phone for vehicle owner authentication and location detection.
Specification	• Rated voltage: DC 12V • Operating Voltage: DC 9V~16V • Operating Temp.: -40 ~ 95 • Storage Temp.: -40 ~ 95 • Idle Current: 2.0mA Max • RF Freq.: BLE : 2 402 ~ 2 480 MHz, UWB : 6 240~6 739 MHz, 7 737~8 237 MHz • BLE Max Power(E.I.R.P): 5.03 dBm • UWB Max Power(E.I.R.P): -42.98 dBm/MHz(6 489.6 MHz), -43.10 dBm/MHz(7 987.2 MHz)

Product Usage Instructions

Installation Guide

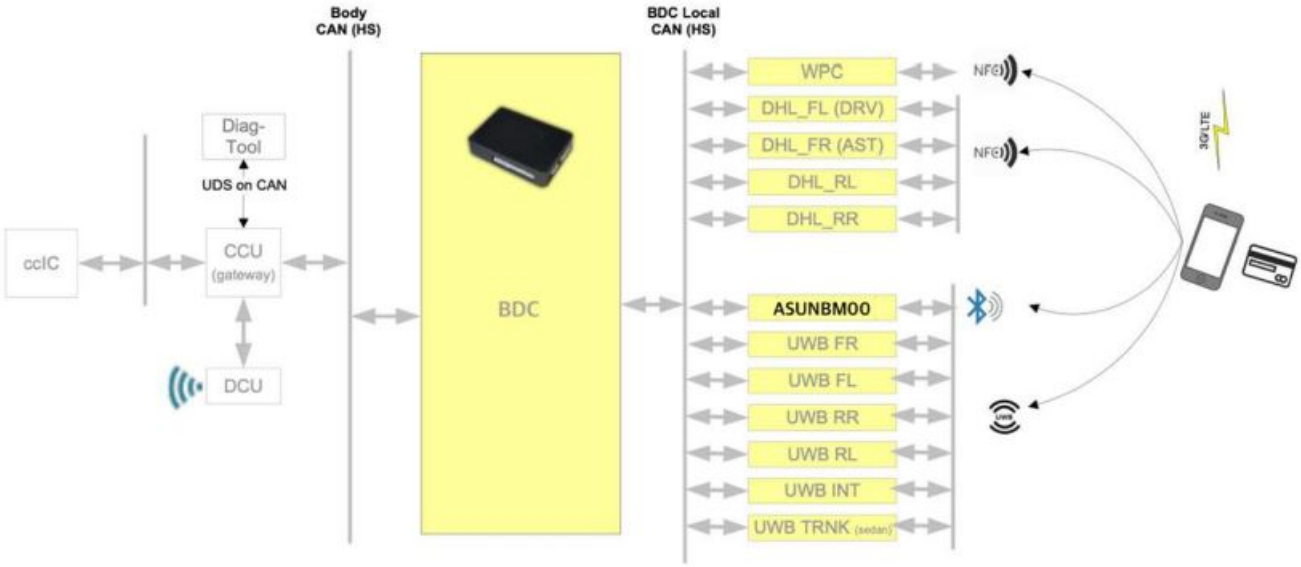
This product is installed in the headlining position of the car if the user chooses the digital key option when purchasing the vehicle.

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
Caution: Any changes or modifications to this device not explicitly approved by the manufacturer could void your authority to operate this equipment.

Description

It is a module that relays wired/wireless communication between the BDC(Body domain controller) installed in the vehicle and the user's mobile phone for the vehicle owner authentication and location detection.

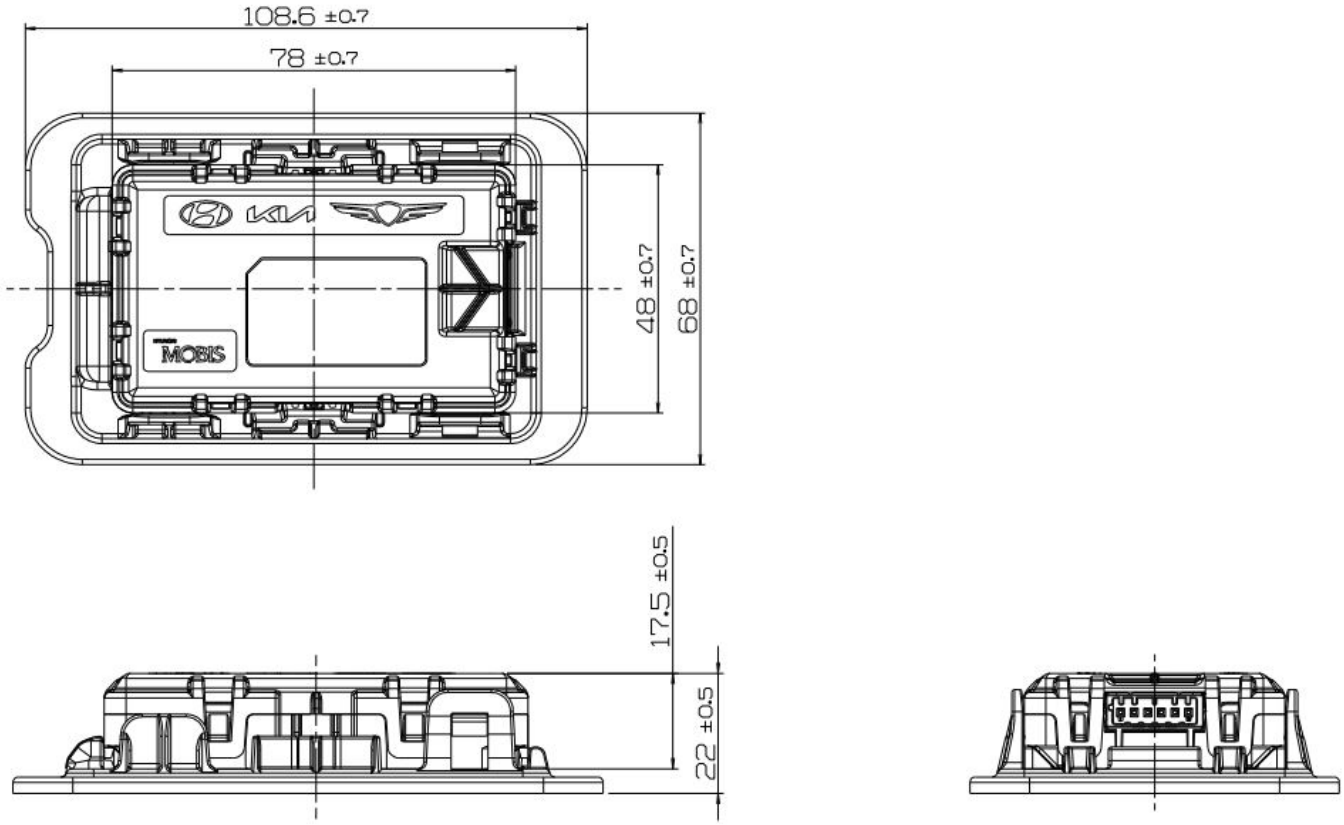


Specification

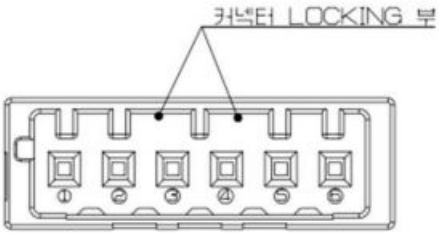
Rated voltage	DC 12V
Operating Voltage	DC 9V~16V
Operating Temp.	-40℃ ~ 95℃
Storage Temp.	-40℃ ~ 95℃
Idle Current	2.0mA Max
RF Freq.	BLE : 2 402 ~ 2 480 MHz, UWB : 6 240~6 739 MHz, 7 737~8 237 MHz
Max Power(E.I.R.P)*	BLE 5.03 dBm UWB -42.98 dBm/MHz(6 489.6 MHz) -43.10 dBm/MHz(7 987.2 MHz)

Max Power(E.I.R.P) is EU-measured power.

Dimension

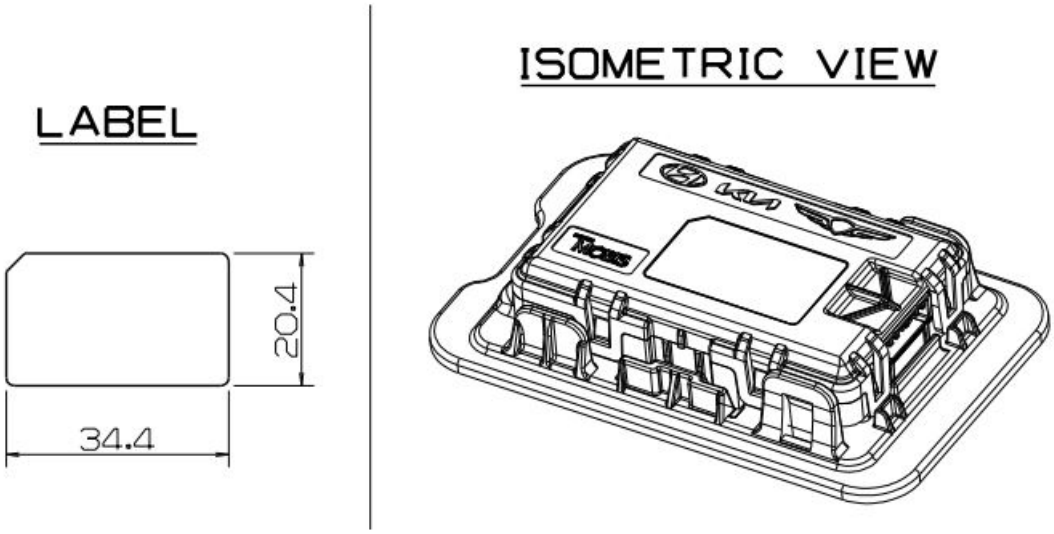


PIN MAP



NO.	PIN NAME
1	B+
2	
3	CAN – L
4	CAN_H
5	
6	GND

Label information



CONTACT

1. UNIT ASSY – UWB&BLE MASTER
2. 955E0N1000
3. ASUNBM00
4. GN7/1.00/1.00/1.16
5. 230101500000001
6. **KC:** R-C-Amo-ASUNBM00
    - **FCC ID:** 2A59T-ASUNBM
    - **IC:** 27298-ASUNBM
    - **CMIIT ID:** 2023XXXXXXX
7. AMOSENSE CO., LTD.

8. MADE IN VIETNAM

1. UNIT ASSY-UWB&BLE SLAVE
2. 955FON1000
3. ASUNBM01
4. GN7/1.00/1.00/1.16
5. 230101500000001
6. KC: R-C-Amo-ASUNBMCO
    - FCCID: 2AS9T-ASUNEM
    - IC: 27298-ASUNBM
    - CM!IT ID: 2023XXXXXXX
7. AMOSENSE CO., LTD.
8. MADE IN VIETNAM

1. Part Name
2. Customer Part Number
3. Model name
4. Customer information
5. Date of manufacture + serial number
6. Certification Number
7. Manufacture
8. Origin

Installation Guide

This product is installed in the headlining position of the car if the user chooses the digital key option when purchasing the vehicle.

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Caution: Any changes or modifications to this device not explicitly approved by the manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum of 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

IC Warning

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions :

1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Documents / Resources


USER MANUAL

(Part Name : ASUNBM00 or/and ASUNBM01)

CONTENTS

1. Description 2
2. Specification 2
3. Drawing 3
4. Pin map 3
5. Label information 4
6. Install Guide 4

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AMOSENSE ASUNBM00 Relay Module [pdf] User Manual
ASUNBM00, ASUNBM01, ASUNBM00 Relay Module, ASUNBM00, Relay Module, Module