



Owner's Manual

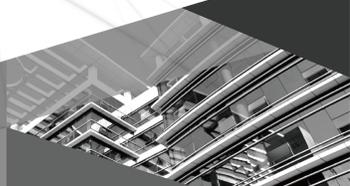
Original Instructions

Zone Control Interface LE60-13/GH

Thank you for choosing this product. Please read this Owner's Manual carefully before operation and retain it for future reference.

If you have lost the Owner's Manual, please contact the local agent or visit www.gree.com or send an email to global@gree.com.cn for the electronic version.

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI



To Users

Thank you for selecting Gree's product. Please read this instruction manual carefully before installing and using the product, so as to master and correctly use the product. In order to guide you to correctly install and use our product and achieve expected operating effect, we hereby instruct as below:

- (1) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- (2) This instruction manual is a universal manual, some functions are only applicable to particular product. All the illustrations and information in the instruction manual are only for reference, and control interface should be subject to actual operation.
- (3) In order to make the product better, we will continuously conduct improvement and innovation. We have the right to make necessary revision to the product from time to time due to the reason of sales or production, and reserve the right to revise the contents without further notice.
- (4) For personal injury or property loss and damage caused by improper operation such as improper installation and debugging, unnecessary

maintenance, violation of related national laws and rules and industrial standard, and violation of this instruction manual, etc., we will bear no liability.

- (5) The final right to interpret for this instruction manual belongs to Gree Electric Appliances Inc. of Zhuhai.

Contents

1 Safety Notices (Please be sure to abide them)	1
2 Product composition	2
3 Appearance statement	3
4 Function	6
4.1 Function overview	6
5 Product installation	7
5.1 Size.....	7
5.2 Installation requirement.....	8
5.3 Installation step.....	8

1 Safety Notices (Please be sure to abide them)



WARNING: If not abide them strictly, it may cause severe damage to the unit or the people.



NOTE: If not abide them strictly, it may cause slight or medium damage to the unit or the people.



This sign indicates that the items must be prohibited. Improper operation may cause severe damage or death to people.



This sign indicates that the items must be observed. Improper operation may cause damage to people or property.



WARNING!

This product can't be installed at corrosive, inflammable or explosive environment or the place with special requirements, such as kitchen. Otherwise, it will affect the normal operation or shorten the service life of the unit, or even cause fire hazard or serious injury. As for the above special places, please adopt special air conditioner with anti-corrosive or anti-explosion function.

2 Product composition

The product contains the following parts, please check before installation.

Table 2.1 Accessories list

No.	Parts name	Quantity	Purpose
1	Power Adapter	1	Supply power for zone control interface
2	Antenna	1	Send and receive the signal of RF remote controller
3	2-core wire	1	Connect duct type unit and zone control interface
4	4-core Communication wire	1	Connect zone control interface and wired remote controller
5	Zone control interface	1	Control air valve according to temperature condition
6	Screw	2	Fix zone control interface

Table 2.2 Power Supply Parameter

No.	Port name	Voltage	Frequency/Current
1	Input	220-240V ~	50/60Hz
2	Output	14.5V ~	1.5A
		24V ~	1A

NOTE: The Maximum operation current of per Damper motor is 150mA or less;

3 Appearance statement



Fig 3.1 Appearance of zone control interface

Zone Control Interface LE60-13/GH

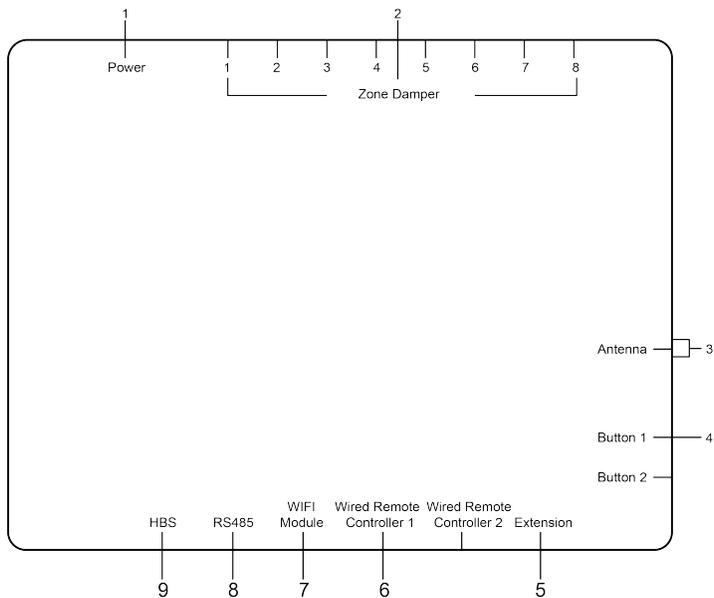


Fig 3.2 Zone control interface introduce

Table 3.1 Interface statement

No.	Port name	Purpose
1	Power	Power input
2	Zone Damper (1-8)	Air valve port in each area (8 at most)
3	Antenna	Antenna port
4	Button1~ Button2	Reserved
5	Extension	Extended function port
6	Wired Remote Controller1~2	Area control of terminal communication port
7	Wifi Module	Wifi module communication port
8	RS485	Communication port of U-MATCH duct type unit
9	HBS	Communication port of the big duct type unit

NOTES:

- ① U-MATCH duct type unit: the system capability less than 18kW.
- ② Big duct type unit: the system capability more than 18kW.

4 Function

4.1 Function overview

Zone control interface is a component of area control system. Its function is to conduct information interaction with duct type unit, collect RF remote controller information on wired remote controller and in each area, and control air valve operation in each area to achieve independent temperature control purpose locally. Besides, the operation terminal is able to control zone control interface through cloud service on mobile APP.

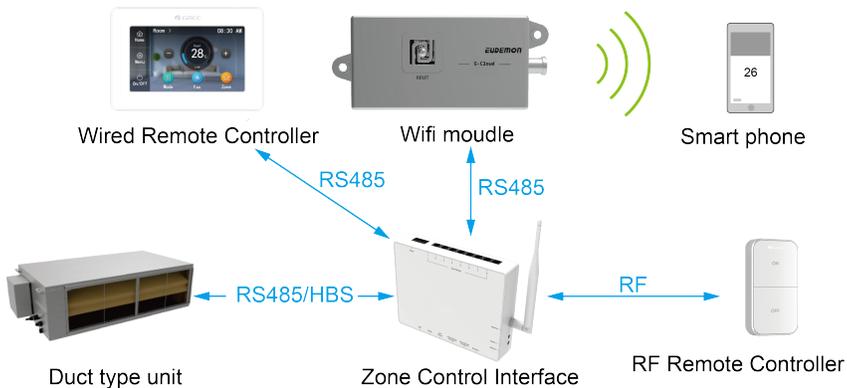


Fig 4.1 System connection graphics

5 Product installation

5.1 Size

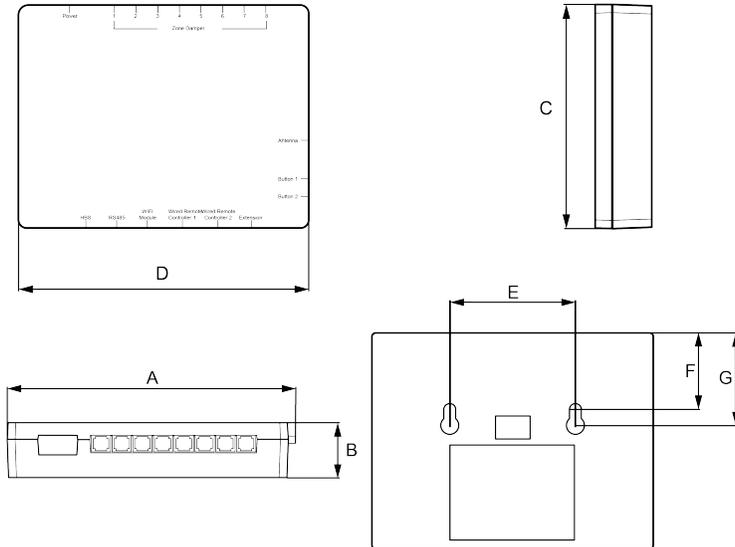


Fig 5.1 Zone control interface size (unit: mm)

Table 5.1 Size value

Name	A	B	C	D	E	F	G
Length	201	39	151	196	87	54	65

5.2 Installation requirement

- (1) Don't install the product in a wet place or a place easy to splash.
- (2) Don't install the product in a place near high-temperature objects or a place with direct sunshine.
- (3) Indoor installation is suggested. Suggested working temperature range for installation is 0~50°C.
- (4) Before installation, please cut off the power of adapter, the whole operation process shall not be energized;
- (5) To avoid any abnormal conditions caused by electromagnetic interference, please pay attention to the following notices when conducting wiring:
- (6) Please make sure the connection port of communication wire is correct, otherwise, communication error will occur.
- (7) To achieve the best transmission performance of wireless signal, don't install the zone control interface to the place with a large number of metal or electric appliances of large power.

5.3 Installation step

- (1) Confirm the type of duct type unit used, if it is U-Match Unit, lead H1 and H2 of wiring board of indoor unit to the RS485 port of zone control interface; if it is a big duct type unit, lead H1 and H2 of wiring board of indoor unit to the HBS port of zone control interface.
- (2) The 4-core communication connection wire which uses wired remote

controller and zone control interface, it should connect wired remote controller with the Wired Controller 1 or Wired Controller 2 port of zone control interface.

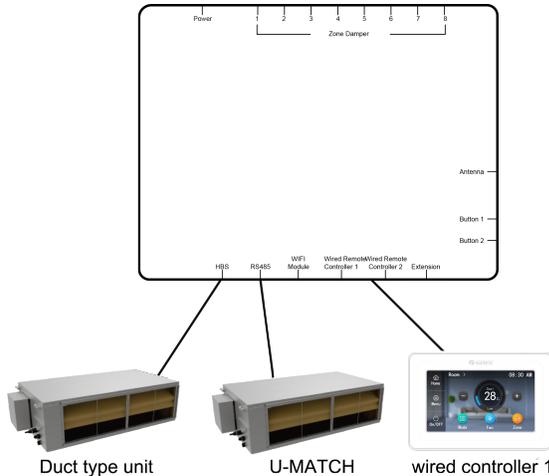


Fig 5.2 Communication wire connection

- (3) Twist the standard antenna to the Antenna port of zone control interface and make sure it is firm. The ambient of zone control interface shall be spacious and with good transmission signal, the antenna direction can be adjusted by rotation.
- (4) There are two installation methods for zone control interface, one is horizontal installation, place it on the stable table or platform.

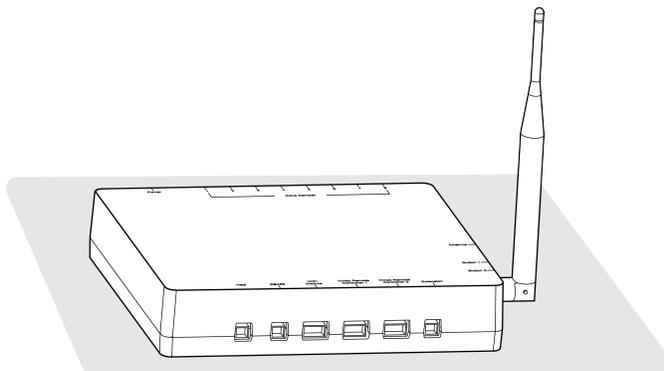


Fig 5.3 Horizontal installation diagram

The other one is vertical installation, fix it on the wall with screw, then hang the zone control interface on the screw, as the following fig shown.



GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

Add: West Jinji Rd, Qianshan, Zhuhai, Guangdong, China, 519070

Tel: (+86-756) 8522218

Fax: (+86-756) 8669426

E-mail: gree@gree.com.cn www.gree.com



600005062325