IRBox wireless data collector

User guide

IRBox

Shanghai Ingersoll Rand Compressor Co. Ltd.

summary

IRBox is a management information system based on remote data acquisition and monitoring.
It include the current input, two RS485 interface, and one is a modbus master and another is a modbus slaver. It also include one CAN interface.

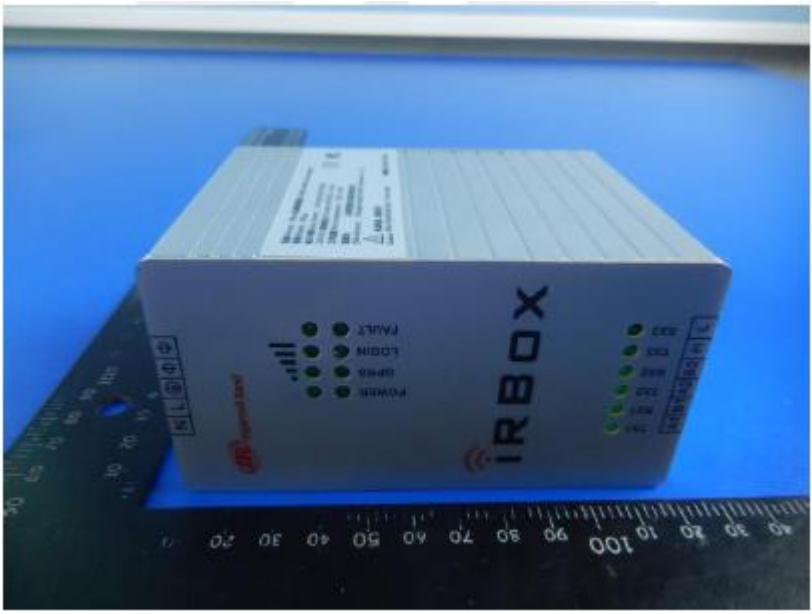

Figure 1

character

1. Input Power ：AC85V-250V（50HZ）
2. Output ：RS485 Modbus Master， ModbusSlaver，CAN
3. Environment ：temperature -25V-85℃
   humidity 5-95%RH
4. Protect ： ESD protect 1.5KV
5. Power ：<15W
6. Size ：113×59×79 （unit：mm）

Describe

2.1、input

L1	Current transformer input
L2	Current transformer input

2.2、ouput

A1	RS485-1-A
B1	RS485-1-B
A2	RS485-2-A
B2	RS485-2-B
H	CAN-H
L	CAN-L

2.3、power supply：

GND	ground supply
N,L	power supply

FCC Caution.

§15.19 Labelling requirements.

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.

§15.21 Changes or modification warning

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§15.105 Information to the user.

Note: 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 theequipment and receiver.

-Connect the equipment into 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.

*** RF warning for Portable device:**

This equipment complies with FCC radiation exposure limits set forth for an u ncontrolled environment. This equipment should be installed and operated wit h minimum distance 20cm between the radiator & your body.