

DFR1120-915 Quick Start Guide

Product Introduction

The LoRaWAN control terminal integrates multiple data interfaces such as analog input, digital input, RS485, and a relay output interface. This enables various traditional sensors to quickly access the LoRaWAN network, achieving long-distance data transmission and control effects.

Product Parameters

Input Voltage: 12-24V DC

Product Dimensions: 89*53*24mm (excluding terminals and mounting parts)

RS485*1: Modbus RTU protocol

AI*1: 0-10V analog input

DI*2: Optocoupler isolated input, 5-24V

Relay Output (Normally Open)*1: 24VDC 5A

Transmit Operating Frequency Band: 902.3-914.9MHz(DSS-125KHz),
903-914.2MHz(DTS-500KHz)

Receive Sensitivity: -137dBm /125kHz SF=12

Operating Modes: OTAA/ABP Class A/C



Note: The VOUT interface can only output voltage when there is an input in the VIN. The output voltage of VOUT is determined by the input voltage of VIN.

FCC WARNING

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.

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

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 the equipment 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna