

IOTDDC C100-M Line RIOs Series

Function and service made easy

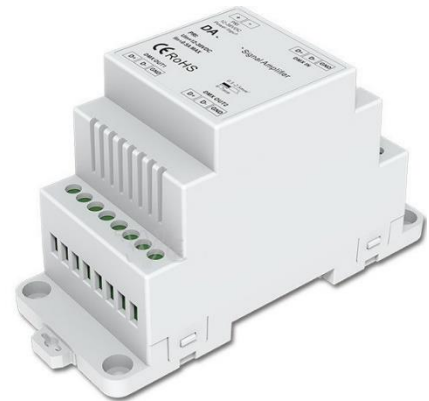
IOTDDC LoRa

C100-M Series RIO

1xModbus, XDI, xDO, xAI, xAO

The C100 Serie RIO modules are controlled via LoRa communication protocol and the C100 has all built in RS485 module for communication with RS485 devices and energy meter. The data point mix is specifically designed for building automation applications working with IoT DDC for working together.

The compact design according to DIN 43880 enables installation in electrical distribution boxes even in the most confined spaces. Installation and maintenance are facilitated by the local manual override for each output. The C100 can be connected with a maximum of 31 units for expanding the Inputs and Outputs. Programming is very efficient and fast using a complete addressable library with web templates for http. Individual programs may directly access the data points via Registers and Flags.



Features

- f LoRa protocol optimized for long range data exchange
- f Modbus protocol for integration in multi-vendor installations
- f C100 can be connected in series with maximum 32 addresses
- f Specific I/O mix for Fan Coil Controller suitable for HVAC systems
- f Easy programming using the web interface
- f Pluggable terminal blocks protected by flaps
- f Optional WiFi module available for Wifi network communication
- f Battery Operated Module available for single IO communication

General technical data

Power supply

Supply voltage	12 VDC, -15/+20% max. incl. 5% ripple
Power consumption	1.2...3 W

Interfaces

Communications interface	RS-485 Modbus RTU Baud rate: 9,600, 19,200 bps (Autobauding)
LoRa	Air data baud rate 62.5Kbps ~ 19.2 Kbps frequency 920.125MHz ~ 925.125MHz
Terminating resistor	Integrated, can be activated via a wire jumper if required

General data

Ambient temperature	Operation: 0...+55 °C Storage: -40...+70 °C
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