WiFio-113

6 Channels RTD Input Module
(Burn-out Detection & Over Voltage Protection)

PRELIMINARY

Main Features

- 6-Ch RTD Input
- Burn-out Detection
- WiFi / LAN connection
- Channel Independent Configuration
- Over Voltage Protection ±55V

CE FC

Introduction

The WiFio-113 is a 6 Channels RTD Input Module with Burn-out Detection and Over Voltage Protection of WiFio Series. The WiFio Series is an Ethernet-based wireless IIoT device, which has integrated the IoT data acquisition, processing, and publishing functions altogether. The WiFio Series also provide WiFi and LAN connection for users when establishing networks.

WiFio Series Modules include Analog, Digital, and Relay modules which also with 6~32 channels.

Model Name	WiFio-113
General	
Power Input	10~60VDC
Power Consumption	200mA@24V
Temperature-Operating	-25 ~ 70 ℃
Temperature-Storage	-30 ~ 75 ℃
Humidity	5 ~ 95 %
Dimensions	120.1 mm*94.4 mm*121.1mm
Weight	360g (Average)
LED Indicators	System,Config,WLAN
WiFio-Master	
LAN Connection	1 x RJ45
Transmission Speed	10/100 Base-TX Ethernet

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WiFi Connection	IEEE 802.11/b/g/n Internal built-in ceramic antenna and optional external antenna via I-PEX connector
WiFi Mode	STAP/AP Configurable TX Power Support External Antenna
Modbus Connector	2 serial port both support baud rate up 115200bps 1 DIN-rail port to connect Wolf Series seamlessly
Modbus Interface	1 isolated DB9 type port to support RS232/422/485 by user configurable.
Modbus RTU Modes	Master/Slave Mode manage up to 8 devices
Modbus TCP Modes	Master/Slave Mode
Modbus Function Codes	Full support Modbus/TCP/RTU protocol and depends on equipped devices
Modbus Baud Rate	1.2K~115.2K Baud Rate
http Server	Support http and https
SSH	Secure Session
DHCPC	DHCP Client to Obtain IP Address
Supported Browsers	Internet Explorer 8/9/10 and, Mozilla Firefox 24, Safari 5.1.7, Chrome 31, Oper 16.0, with at least 3 simultaneous connections.
Mounting	DIN EN 60715
Safety	FCC/CE/RoHS
WiFio-Slave	
Watchdog Timer	System (1.6 second Fixed) Communication (Programmable)
Interface	RS-485
Communication Protocol	Modbus/RTU
Communication Speed	Serial: From 1200 to 115.2k bps
Communication Distance	Serial: 1.2km
Isolation Protection	2500 or 3000 VDC
I/O Specifications	
Channels	6
Power Consumption	2.8W @ 24V
Sensor Types	Platinum 100　α= 0.00385 (IEC)　-200 ~ 600℃ Platinum 100　α= 0.00392 (JIS)　-200 ~ 600℃ Platinum 1000　α= 0.00385 (IEC)　-200 ~ 600℃ Cu 100@0℃ α= 0.00421　　-20 ~ 150℃

	Cu 1000@0℃ α= 0.00421 -20 ~ 150℃
	Cu 50@@0℃ -0 ~ 200℃
	Nickel 100Ωα= 0.00618 -60 ~ 180℃
	Nickel 120Ωα= 0.00672 -80 ~ 260℃
	Nickel 507.5Ωα= 0.00520 -80 ~ 260℃
	Nickel 604Ωα= 0.00518 -200 ~ 200℃
	BALCO 500 -40 ~ 150℃
Disconnection Detection	Yes
Channel Independent Configuration	Yes
Sampling Rates	12 samples/ second (Total)
Resolution	16-bit
Accuracy	±0.1% FSR
Span Drift	±25 ppm/℃
Zero Drift	±6 µV/℃
Over Voltage Protection	±55V

【WiFio-113】Terminal Assignment