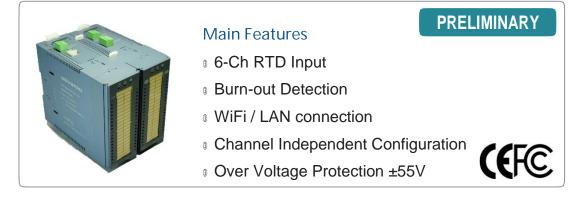


## **WiFio-113**

## **6 Channels RTD Input Module**

(Burn-out Detection & Over Voltage Protection)



## 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 °C	
Temperature-Storage	-30 ~ 75 °C	
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	



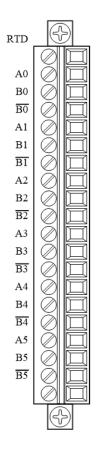


WiFi Connection	IEEE 002 11/b/a/n Internal built in acromia
	IEEE 802.11/b/g/n Internal built-in ceramic
	antenna and optional external antenna via I-PEX
WiEi Modo	connector
WiFi Mode	STAP/AP
	Configurable TX Power
	Support External Antenna
Modbus Connector	2 serial port both support baud rate up 115200bps
Modbus Interface	1 DIN-rail port to connect Wolf Series seamlessly
Modbus Interface	1 isolated DB9 type port to support
Modbus RTU Modes	RS232/422/485 by user configurable.
	Master/Slave Mode manage up to 8 devices Master/Slave Mode
Modbus TCP Modes Modbus Function Codes	
woadus runction Codes	Full support Modbus/TCP/RTU protocol and
Ma dhua David Data	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 $\alpha$ = 0.00385 (IEC) -200 ~ 600°C
	Platinum 100 $\alpha$ = 0.00392 (JIS) -200 ~ 600°C
	Platinum 1000 $\alpha$ = 0.00385 (IEC) -200 ~ 600 °C
	Cu 100@0℃α= 0.00421 -20 ~ 150℃



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

## [WiFio-113] Terminal Assignment



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