strati-fi22p
Wireless Energy Management for Small Business

Quickly and easily connect building systems to the cloud over your existing 802.11b/g/n Wi-Fi network. Monitor and control HVAC units, lighting, and energy meters from anywhere.

With "Phone Home" ET Technology

strati-fi™ controllers and bundled solutions (kits) are designed to help you meet California's rigorous Title 24 requirements. Monitor economizer performance, take control of indoor or outdoor lighting projects, perfect for LED on/off and dimming applications.

strati-fi™ is simple to configure using your Web Browser, Smartphone, or Tablet. Personalize your view of the system by importing photos or graphical images. Historical data retrieval, rules based alarms, text or email messaging, and two year advanced scheduling are standard features when paired with our Opendiem™ energy management software.
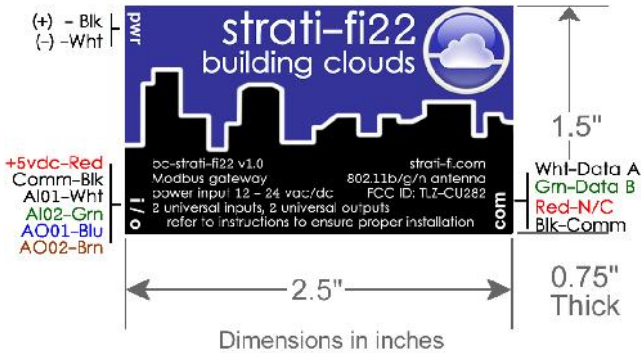

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(+) – Blk
(–) –Wht

+5vdc-Red
Comm–Blk
AI01–Wht
AI02–Grn
AO01–Blu
AO02–Brn

strati-fi22
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bc-strati-fi22 v1.0
Modbus gateway
power input 12 – 24 vac/dc
2 universal inputs, 2 universal outputs
refer to instructions to ensure proper installation

strati-fi.com
802.11b/g/n antenna
FCC ID: TLZ-CU282

Wht–Data A
Grn–Data B
Red–N/C
Blk–Comm

1.5"

0.75"
Thick

2.5"

Dimensions in inches

Overview

The strati-fi22 is part of the strati-fi series of wireless gateways and controllers. Built on advanced communication protocols strati-fi devices automatically connect to our Opendiem Software over TCP/IP. The compact package can be ubiquitously installed near devices you want to control or monitor, and then provisioned onto your existing Wi-Fi network.

The strati-fi22 can measure signals such as thermistors, 0-5 vdc, 0-20mA loops, pulse counters and discrete contact closures. The outputs can generate 0-10vdc signals for controlling actuators, dimmable lighting, valves, pilot relays, variable speed drives, and more.

The onboard communication port tunnels the Modbus RTU protocol to the Opendiem cloud service allowing users to connect many 3rd party Modbus slave devices. Complete systems can be created with ease.

Technical Specifications

Power Input:	12-24 vac/vdc @ 100ma min
Operating Temp:	-20 to +60 Deg. C
Storage Temp:	-40 to +70 Deg. C
Wi-Fi Link:	802.11 b/g/n
Provisioning:	WPS, Wi-Fi Direct, mDNS Discovery (Bonjour), etc.
Modbus:	RS-485; 2-wire; 9.6/19.2 kBaud
Inputs (Qty. 2):	Analog 0-5 vdc; 10k-2 Thermistor; 0-20ma w/250 resistor Digital 5 vdc; Pulse Counter
Outputs (Qty. 2):	0-10 vdc @ 30 ma max.
Connections:	Power, 22ga, 2 Conductor Modbus, 22ga, 4 Conductor Signals, 22ga, 6 Conductor
Cable:	Plenum Rated, Stranded Copper

Firmware adheres to Modbus Application Protocol Specification V1.1b.

Read and become familiar with the user manual prior to installing, operating, or maintaining the device.

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Compatibility

The strati-fi22 utilizes an outward bound auto-connection process to establish a connection with the Opendiem server. Once connected, the Opendiem software communicates to the strati-fi22 inputs and outputs via Modbus TCP/IP standards.

Applications

Utility Sub metering	Lighting
Electric, Gas, Water, Pulses	On/Off & Dimming
Modbus Gateway	Ventilation Control
Packaged AC units	Environmental Monitoring
Demand Response Control	Physical Security
Fault Detection & Diagnosis	Thermostats
Economizer Control	Renewables Monitoring

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