![EasyIO®]

EasyIO Wi-Fi Controller
14 points
EasyIO-FW-14

The EasyIO-FW-14 is a new breed, high performance, freely programmable, wireless Wi-Fi Sedona controller. It has never been easier to extend your BMS because of its wireless possibilities. You will save on labor and wiring. The EasyIO-FW-14 is a perfect fit for vertical markets such as schools and retail, to have extended IO for the F-series controllers, without any downtime during installation as the network can be wireless. It's ideal for all kind of applications such as fan coils, AHU's, room and stand-alone applications, featuring SOX, TCOM, FGP2P and BACnet communication protocols.

The EasyIO-FW-14 can be programmed and live commissioned via free CPT Tools and an integrated HMTL5 dashboard. It has BACnet IP server, a BACnet MSTP client supporting up to four external BACnet server devices and two Ethernet ports for daisy chain connection wiring. Furthermore, it can also have the built-in Wi-Fi infrastructure connected at the same time as the Ethernet ports for network redundancy. Wired and wireless deployment is encouraged, so there is no need to worry about IT. The EasyIO-FW-14 includes 8 UI (voltage and resistance), 4 x AO (Voltage) and 2 x DO with 24VAC volt free contact relays. For floating control, the optional FR-02 module is available to add to the FW-14.

Specification:

Power Supply	24VAC +/- 5% or 24V DC +20%/-15%
Consumption	500 mA
Operating temp	0 to 65 °C (32 to 150 °F)
Storage temp	-20 to 65 °C (-4 to 150 °F)
Operating humidity	10% to 70% relative humidity non-condensing
Dimensions	191 x 104 x 44 mm (L x W x H)
Material	UL Approved Plastic
Weight	410g

Inputs & Outputs:

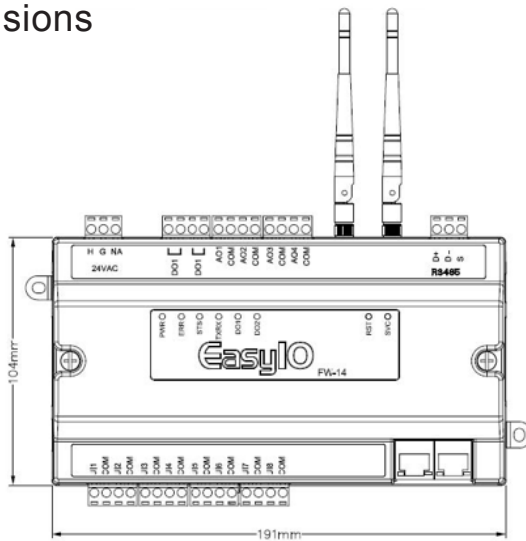|	
Universal Input	8xUI
	12-Bit ADC (with PGA)
	Voltage: 0 ~ 10V DC (+/- 0,05V)
	Resistance input: 500 ohms to 500K ohms (+/-10 Ohm)
	Thermistor Sensor: 10K, 10K Shunt, 1K Balco, 1K Platinum: All (+/- 0.1 ºC)
	UI as DI: Voltage Free Contact
Digital output	2xDO (with LED's for status)
	Type: Relay Contacts, SPST NO, 48VA at 24VAC, Pilot Duty at 500mA
Analog Output	4xAO
	12-Bit DAC
	Voltage: 0~10V,
	Min Impedance 1000 Ohm

Communication:

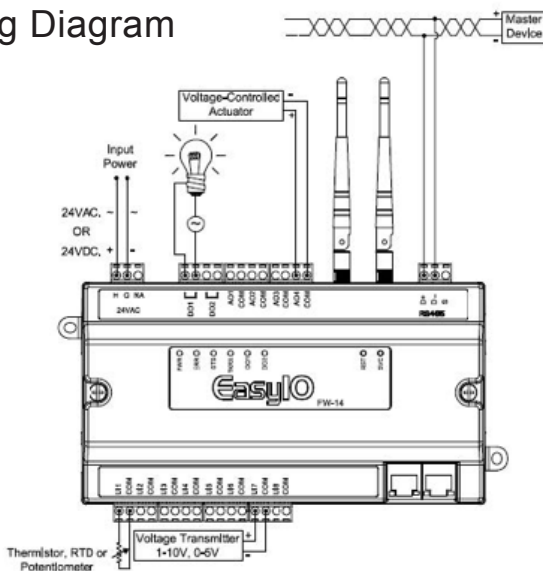|	
Physical Interface 1 (Port 1)	EIA-485 Two-wire, Half Duplex
BACnet Baud Rate:	Speed: (9.6K, 19.2k, 38.4K, 76.8K), Data Bit: (8 bits), Parity: (None)
WiFi	WIFI (802.11b/g/n)
Ethernet	2 Ethernet Ports 10/100M
Ethernet/WiFi Support	IP, TCP, UDP, ICMP, HTTP, FTP
Application Support	Sedona, BACnet MSTP Client, BACnet IP Server and Tcom

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The FW-14 comes with one standard RS485 driver to support BACnet MSTP. The FW-14 also comes with two Ethernet Ports to program the Sedona Application, TCOM, FGP2P, BACnet and for web configurations.

The concept behind the FW series is that the FW-14 is a free programmable controller that perfectly fits in a network of controllers, or standalone because if its own real-time clock. The available resources inside the controller are not limited to the 14 I/O so you will be surprised by its high power.

Features:

- First EasyIO controller based on Wi-Fi Technology
- 8 UI
- 4 AO (voltage)
- 2 Relay DO
- 1 RS485
- 2 Ethernet 10/100 BaseT port
- Support Wifi 802.11 b/g/n
- Support Sedona VM
- Support SOX, TCOM, FGP2P
- BACnet MSTP Client (4 devices) and IP Server
- Dashboard (Freeboard)

Dimensions

Wiring Diagram

Linux Powered | BACnet | Sedona Framework | WiFi