

# EASYIO FC CONTROLLER.



# 20 POINTS CONTROLLER.

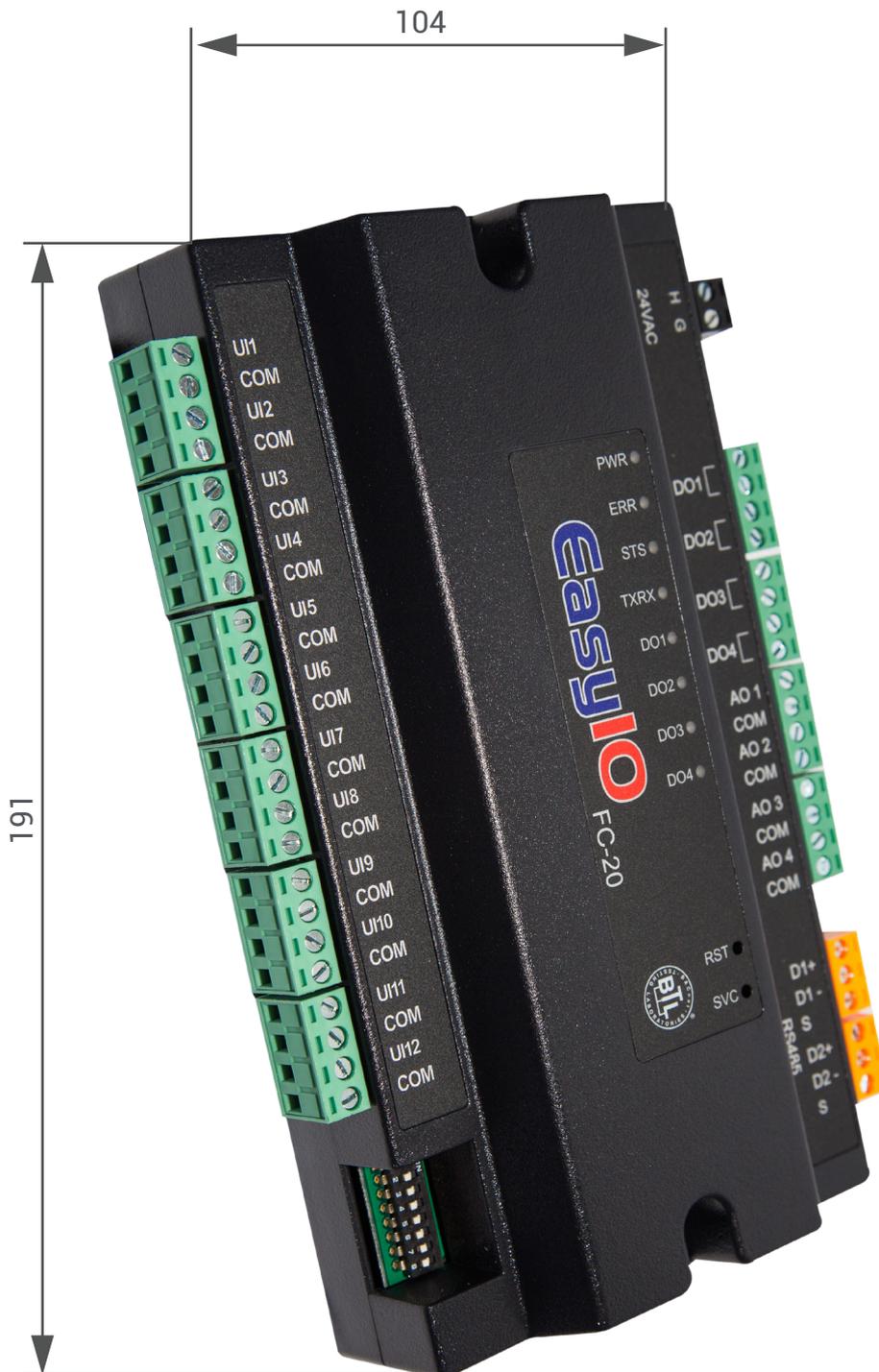


The EasyIO FC series is aimed at affordable stand-alone applications, such as roof top units, Fan Coil Units, Air Handling Unit's and packaged units.

The FC-20 is designed to complement the EasyIO 30P, FG+ and FS-series products. The FC-20 is equipped with two RS485 ports and is BACnet and Modbus selectable, and programmable live and without licensing cost with the EasyIO CPT Tools.

The FC-20 has 20 points of I/O and is priced to meet most high-volume applications and price points. The microprocessor-based controller has 20 I/O to accommodate general and specific applications, featuring BACnet MSTP and Modbus RTU. The I/O's include 12 Universal Inputs (UI) supporting current, voltage and resistance based sensors, 4 electrically isolated Digital Outputs (DO) and 4 Analog Outputs, supporting current and voltage

# THE DIMENSIONS.



# THE SPECIFICATIONS.

## DETAILS:

<i>Power Supply</i>	24VAC +/- 5% or 20VDC ~ 34VDC
<i>Consumption</i>	<11VA
<i>Operating temp</i>	0 to 65 °C (32 to 150 °F)
<i>Storage temp</i>	-20 to 65 °C (-4 to 150 °F)
<i>Operating humidity</i>	10% to 70% Relative humidity non-condensing
<i>Dimensions</i>	215 x 125 x 45 mm (L x W x H)
<i>Material</i>	UL Approved Plastic
<i>Weight</i>	410g

## INPUTS & OUTPUTS:

<i>Universal Input</i>	12xUI 12-Bit ADC (with PGA) Voltage: 0 – 10V (+/- 0,01V). Current: 4 – 20V (+/- 0,01mA). Resistance: 0 ~ 30K (+/- 50 Ohm), 0~10K (+/- 5 Ohm) 0 ~ 1K (+/- 1 Ohm). Thermistor Sensor: NTC 10K Type 2/3, 3K, 20K (+/-0,1°C). RTD: 1K Balco, 1K Platinum (+/- 0,2°C).
<i>Digital output</i>	4xDO (with LED's for status) Type: Relay, SPST NO, 24Vac/Vdc, 2A
<i>Universal Output</i>	4xUO 12-Bit DAC Voltage: 0~10V. Minimum Impedance 8,000 Ohm. Current: 4~20mA. Maximum Impedance 800 Ohm.

# THE SPECIFICATIONS.

## COMMUNICATION:

<i>Physical Interface 1</i>	EIA-485 Two-wire, Half Duplex
Modbus Baud Rate:	Speed: (9.6K, 19.2k, 38.4K, 57.6K, 115.2K bit/s), Data Bit: (8 bits), Parity: (None, Even, Odd)
<i>Physical Interface 2</i>	EIA-485 Two Wire, Half Duplex
BACnet Baud Rate:	Speed: (9.6K, 19.2k, 38.4K,78.6K), Data Bit: (8 bits), Parity: (None)

# KEY FEATURES.

- Sedona Framework support -programmed using Online Tools inc. CPT Tool;
- BACnet MS/TP Server Functionality Support;
- Modbus RTU Slave Support;
- 12 Universal Inputs; Digital, Voltage, Current or Resistance;
- 4 24VAC relay Outputs;
- 4 Analogue Outputs; Voltage or Current;
- DIP Selectable Communication Mode.



# **PARTNER DETAILS.**

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## **CONTACT**

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