



FS-32

32-POINT CONTROLLER

DESCRIPTION

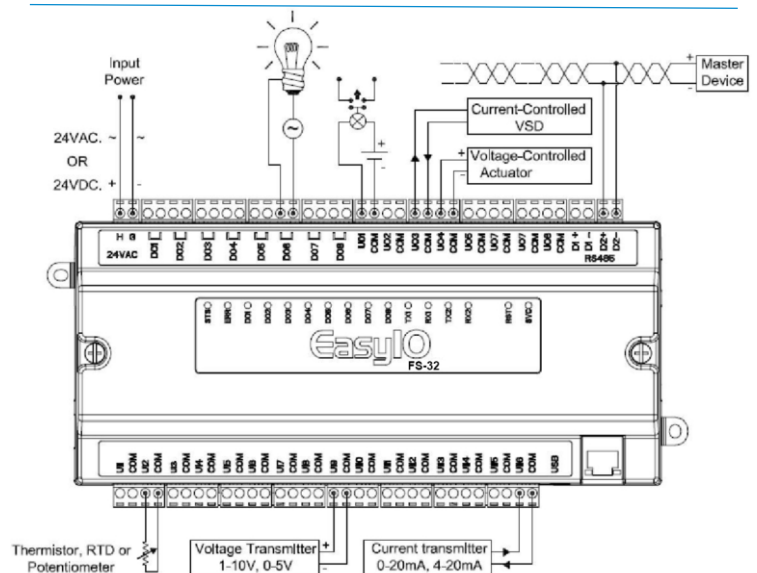
The FS-32 is a high performance server class controller with a 1.2 GHz quad core processor, 512 MB RAM and 8GB flash memory. Its software capabilities are very powerful with HTML5 graphics and multifunctional adapter widgets. The built-in VPN client and server makes your connectivity safe and unique for BMS controllers.

And of course, the EasyIO-FS-32 has and can do everything you expect from an EasyIO controller: it's freely and live programmable via CPT Tools, it supports protocols and services such as BACnet, Modbus, Sox, Haystack and TCOM and it has a built-in HTML5 web server.

FEATURES

- Power – 2 Processors, main processor increased to 1.2 GHz Quad Core
- Memory/Storage – 8GB EMMC on board and massive history storage
- Supports BACnet, TCom, Modbus, Haystack and web services
- Built-in VPN client and server
- Programmable gain amplifiers for all UI channels for higher precision at lower range
- Nginx Web Server Engine with latest features

WIRING



TECHNICAL DATA

ITEM	DESCRIPTION
Supply Voltage	24Vac +/- 5% or 24Vdc +20% / -15%
Power Consumption	18VA
Current Rating	750mA at 24Vac / Vdc
Storage temp	0°C to 65°C
Operating temp. range	0°C to 65°C
Operating Humidity	10% to 90% RH non-condensing
Dimensions	233 x 124 x 44 (mm)
Material	UL Approved
Weight	800g
Main Processor	1.2 GHz Quad Core ARM A7 main processor
Processor	ARM Cortex 48 Mhz – M0 processor for the I/O
Flash Memory	8GB NAND Flash
RAM	512MB
Ethernet	1 x Ethernet Port 10Base-T / 100Base-T interface, half or full duplex
RS 485 Ports	2 x RS485
Real Time Clock (RTC)	Real Time Clock with min. 5 days backup by superCAP
Protocols Supported	BACnet MSTP Client, BACnet IP Client / Server, Modbus RTU Master
Communication	Physical Interface 1 & 2, EIA-485 (BUS A,B) Two wire, (Port 1 & 2) – Half Duplex
Modbus Baud Rate	Speed : (9.6K, 19.2K, 38.4K, 57.6K, 115.2K) , Data Bits : 8 , Parity : Odd, Even, None
BACnet Baud Rate	Speed : (9.6K, 19.2K, 38.4K, 78.6K) , Data Bits : 8 , Parity : None
Universal Inputs	16 x UI , 12-bit ADC with PGA 5 Modes Digital Mode : Voltage free contact Resistance mode : 500 – 500K Ohms (+/- 10 Ohms) Voltage Mode : 0-10V (+/- 0.05V) Current mode : 0-20mA Pulse count mode (max) : 20 Pulse per sec at 50% duty cycle (20Hz)
Digital Output	8 x DO (with LED Indicator for status) Type : Relay Contacts , SPST NO , Contact rating 1A 30Vdc
Universal Output	8 x UO , 3 Modes Voltage mode : output range 0-10Vdc Current mode : output range 0-20mA Digital mode : Maximum sinking current 200mA
Ethernet Support	IP, TCP, UDP, ICMP, HTTP, FTP
Application Support	Sox, TCOM driver, Modbus , BACnet, Haystack