FT-04 Catalog Page

2023-08-21 LIT-1901219 Release 1.0

Description

Figure 1: EasyIO FT-04 controller



The FT-04 product range is a versatile small form factor controller. The controllers are Wi-Fi only, and can extend control to hard to reach equipment, and be used in small spaces, localized lighting control, remote IO, temperature control and monitoring, on/off control of equipment, residential applications, or just about anything that needs connectivity.

The FT-04 provides standalone control and supports live programming and commissioning through onboard dashboards. With the HTML5 web server, you can access the controller by mobile devices while troubleshooting onsite or through secure, remote connectivity. FT-04 also supports BACnet IP, Sox, TCom, and P2P. All models have two universal inputs. FT-04A has two analog outputs and FT-04B has one analog output and one digital output.

Features

- BACnet, Tcom, and Sox protocol
- BACnet IP Server over Wi-Fi or Ethernet
- EasyIO Peer to Peer Protocol, compatible with FS, FG+, FW, and FT Series
- Built-in web server and HTML5 compatible
- RESTful API and other web services
- Built-in dashboard
- Wi-Fi Access Point with DHCP Server
- Station/Client for production mode

Ordering information

Table 1: FT-04 Ordering information

Product code	Description
EASYIO-FT-04A	EasyIO FT Series four point controller with two analog outputs
EASYIO-FT-04B	EasyIO FT Series four point controller with one analog output and one digital output

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Technical specifications

Table 2: FT-04 UL certified input and communication ratings

Specification	Description			Terminal
Power supply	• 24 VAC, ± 5% • 24 VDC, + 20% or - 15%			H and G
	2.5 VA, Class 2			
Universal inputs	Voltage	0 VDC to 10 VDC, Class 2	3% accuracy	UI1, UI2, and COM
	Resistance	3k ohm to 50k ohm		

Table 3: FT-04A output

Specification	Description			Terminal
Universal outputs	Voltage	0 V to 10 V, Class 2	3% accuracy	AO1, AO2, and COM
	Minimum load impedance	2k ohm		
	Maximum current draw	5 mA		

Table 4: FT-04B output

Specification	Description			Terminal
Digital output	24 VAC, 0.5 A pilot duty, Class 2, dry contact relay output			DO1 and COM
	24 VDC, 0.5 A pilot duty, Class 2, dry contact relay output			
Analog output	Voltage	0 V to 10 V, Class 2	3% accuracy	AO1 and COM
	Minimum load impedance	2k ohm		
	Maximum current draw	5 mA		

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Table 5: FT-04 technical specifications

Specification	Description
Controller processor and memory specifications	
Main processor	ESP32 240Mhz
Flash memory	16 MB
RAM	4 MB
Product temperature and humidity specifications	
Operating temperature	0°C to 50°C (32°F to 122°F)
Storage temperature	-20°C to 65 °C (-4°F to 150°F)
Operating humidity	10% RH to 90% RH, non condensing
Physical specifications	
Dimensions	50 mm x 60 mm x 19 mm (2 in. x 2.4 in. x 0.7 in.)
Material	UL certified
Weight	42 g (1.5 oz)
Wireless ratings	
Standard	IEEE 802.11
Band	b/g/n
Frequency range	2412 MHz to 2472 MHz
Antenna	Onboard antenna
Transmission power	16.6 dBm EIRP

Repair Information

If a controller or any related product fails to operate within its specifications, replace the product. For replacement products, contact the nearest Johnson Controls® representative.

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

Patents

Patents: https://jcipat.com

Single point of contact

APAC	EU	UK	NA/SA
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Contact information

Contact your local Johnson Controls representative:
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