



TECHNICAL DATASHEET

FRB-541 FCU Relay Box

Introduction

Welcome to ONAS-TECH: Your Gateway to Cutting-Edge Electronics Solutions.



At ONAS-TECH, we are committed to reshaping the electronics industry landscape. With a foundation built on pioneering technological advancements, ONAS-TECH stands as your reliable partner for innovative and energy-efficient electronic solutions. As we embark on a mission to revolutionize the way electronics are perceived and utilized, we invite you to explore our latest product offerings and join us in shaping the future of technology together.

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For Technical support, please contact us: support@onastech.com

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Overview

FRB-541 fcu relay box is your best solution for controlling the Fan coil unit, it comes with 4 relays (high duty) for speeds and the heater, with interfacing contact between it and the fire alarm system through the FAP point main usage of it to disconnect the fan in case of fire by connecting it with fire alarm system control module, also can be used for saving energy mode, and internal transformer 24V AC in order to powering the PICV actuator. Easy play and plug connecting the terminals of PICV, thermostat and the FAP point.

Features

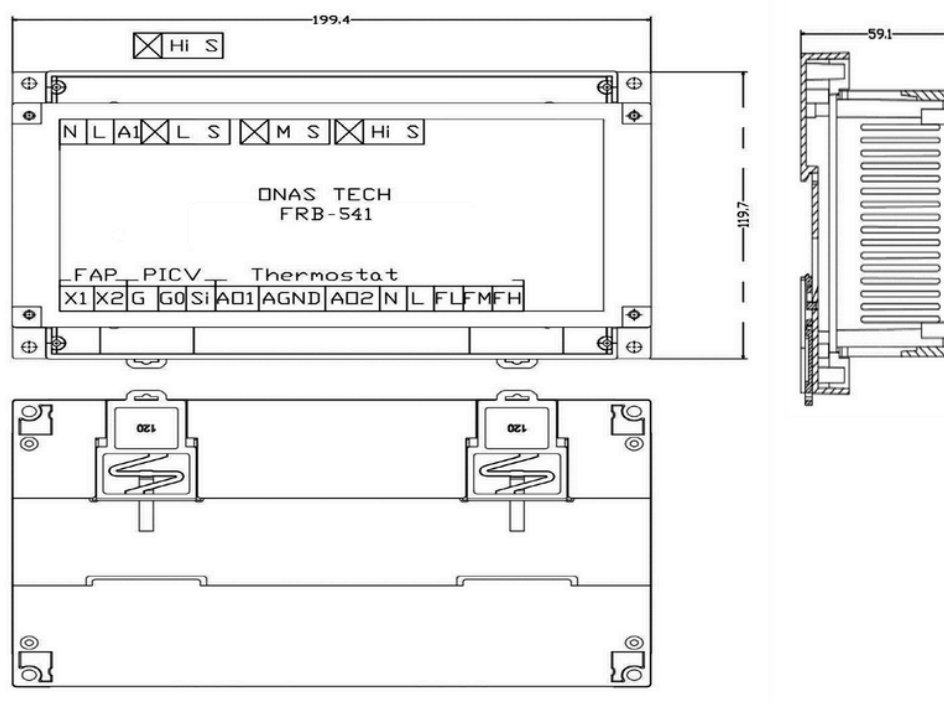
- Fire Alarm protection interface
- Internally 24V AC transformer
- 4 Relays 30A AC for speeds & heater
- Wall mounted using din rail or screws
- IP54 protection number
- PLC new look design.

Technical Specifications

Property	Description
Input Voltage	240V -15.....+10 % AC
Frequency	50Hz/60Hz
Input Fuse	2A glass type T5x20mm
Output Voltage	24V AC (2A) for the PICV
Output Fuse	1A glass type T5x20mm
Temperature	Operation -10°C to 85 °C
Terminals	Screw and Screw plugs
Relays	Up to 30A -240V AC with led indication
Compliance	<ul style="list-style-type: none">• ISO 9001.• Approval from the ministry of industry in Egypt.• Complied to IEC 63044-5-1 & IEC 63044-5-2 requirements which are equivalent to the following:<ul style="list-style-type: none">- UL 916 requirements.- EN 50491-11 requirements.

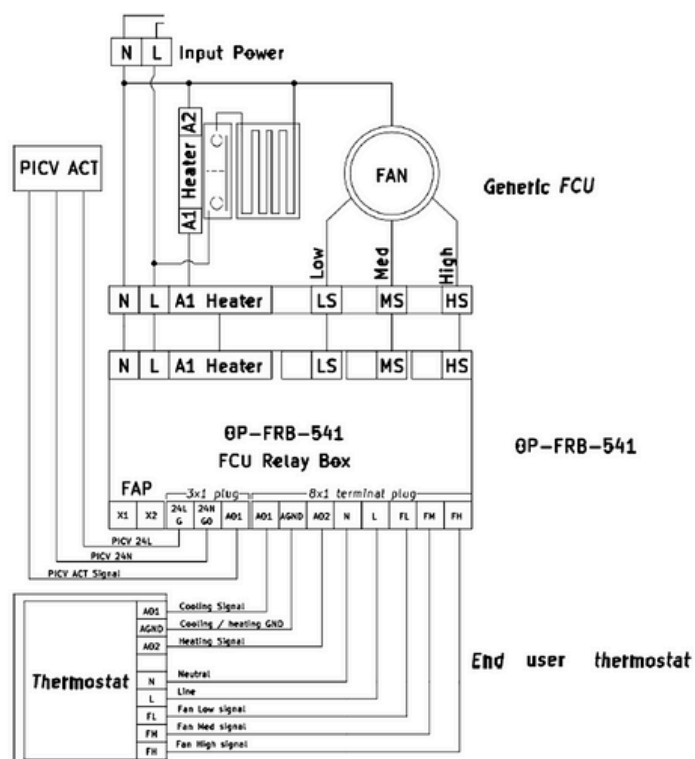
Mounting

FRB-541 mounting is very easy, using 4 screws or din rail mounting near to the FCU unit



Wiring

With digital heater and modulated actuator (24V AC)



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Order Information

Feel free to contacting us about your situation to select the best solution for you based on your thermostat and actuators, ONAS presents FRB-541, FRB-541S, FRB-541V24, and FRB-541OF

#	FRB Version	Thermostat data		
1	FRB-541	Power	Cooloing signal	Heating signal
		220V	0 - 10V	
		FCU data		
		Cooloing Actuator	Heater	
		24V AC - 0-10V	ON OFF / Digital / Electric	
2	FRB-541S	Thermostat data		
		Power	Cooloing signal	Heating signal
		220V	0 - 10V	
		FCU data		
		Cooloing Actuator	Heater	
3	FRB-541V24	Thermostat data		
		Power	Cooloing signal	Heating signal
		24V	0 - 10V	
		FCU data		
		Cooloing Actuator	Heater	
4	FRB-541OF	Thermostat data		
		Power	Cooloing signal	
		220V	ON OFF 220V	
		FCU data		
		Cooloing Actuator	Heater	
		220V ON OFF / digital		

ONAS also have enclosures can be ordered separately

#	Enclosure PN	Description
1	OE-PLC200	PLC Enclosure 200X120X60mm
2	OE-IPE200	IPE Enclosure 200X150X60mm

Contact us

For all inquiries regarding information and technical support, we kindly request that you direct your correspondence to our dedicated team. Our representatives are available to assist you via email at: support@onastech.com

Or visit our website www.onastech.com

We look forward to resolving your inquiries promptly and professionally.

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Technical specifications and availability subject to change without notice.