



# TIS VRF CONTROLLER

Variable Refrigerant Flow Gateway

Data Sheet Rev 3.2

Model: TIS-VRF-AC



## OVERVIEW

This product is a variable refrigerant flow gateway module designed to set and adjust smart home climate and energy efficiency. It integrates with FCU and AC units for utmost temperature comfort and user convenience.

### KEY BENEFITS

- + Works with TIS Bus protocol
- + Minimizes energy wastage
- + Compatible with 20 AC brands
- + Supports 32 indoor units

### KEY FEATURES

- ★ Standard 35 mm din-rail mounting
- ★ Works with Modbus RTU protocol
- ★ RS485 ASCII code supported
- ★ Equipped with LCD display
- ★ Buttons for manual ON/OFF



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## Variable Refrigerant Flow Gateway

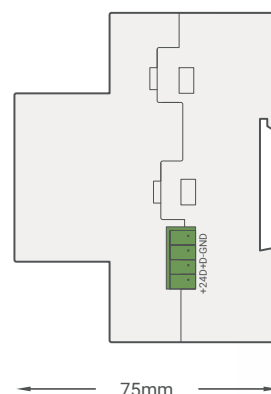
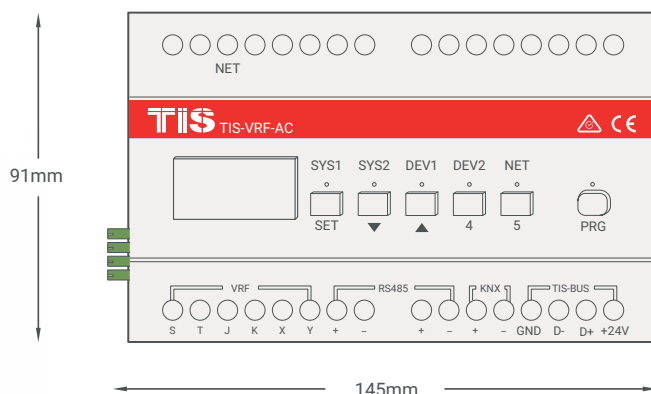
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### PRODUCT SPECIFICATIONS

	<b>Ports and function</b>	Ethernet	For web configuration, testing and online upgrade
		TIS-BUS	Connection TIS system
		RS485 A1 B1	Modbus RTU connection
		RS485 A2 B2	ASCII protocol for 3 <sup>rd</sup> party integration
	<b>Other specification</b>	Micro USB	Special upgrade
		Contact resistance	100m max. (at 1A 24VDC)
	<b>TIS Bus</b>	Insulation resistance	1000M (500VDC)
		Number of devices on 1 line	Max. 64
	<b>Reaction time</b>	Bus voltage	12-32 V DC
		Current consumption (Normal)	<40 mA / 24 V DC
	<b>Mounting</b>	approx. 20ms	
	<b>Connection terminal</b>	Din rail	Standard 35 mm din rail
		Wall mount	screw holder on the back of the module
	<b>Weight</b>	Load and Power	Screw terminal 0,25...4mm <sup>2</sup>
		Data / bus	Male/female connectors link + screw terminal
	<b>Dimensions</b>	Without packaging	350g
	<b>Housing</b>	Width x length x height	75mm x 145mm x 91mm
		Materials	Fireproof ABS
	<b>Temperature range</b>	Casing color	Black
		IP rating	IP 20
	<b>Air humidity</b>	Operation	-30...60°C
		Storage	-20...60°C
	<b>Air humidity</b>	Transport	-30...75°C
			<85% non-condensing



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