



TIS VRF CONTROLLER

Variable Refrigerant Flow Gateway

Data Sheet Rev 3.2

Model: TIS-VRF-AC



OVERVIEW

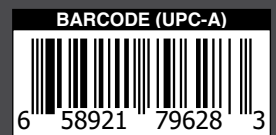
This product is a variable refrigerant flow gateway module designed to set and adjust smart home climate and energy efficiency. It integrates with FCU and AC units for utmost temperature comfort and user convenience.

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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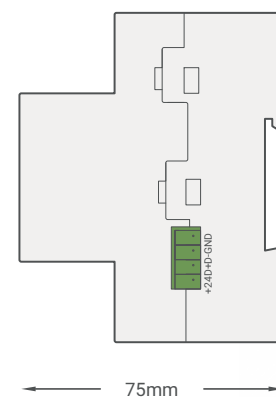
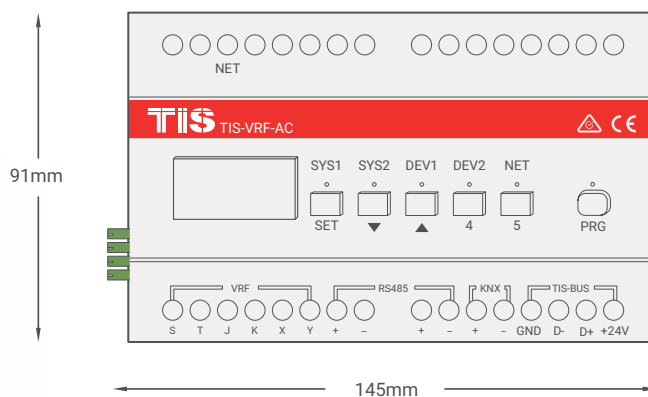
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PRODUCT SPECIFICATIONS

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



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