



# TIS VRF CONTROLLER

VARIABLE REFRIGERANT FLOW

Data Sheet Rev 3.1

Model: TIS-VRF-AC



## OVERVIEW

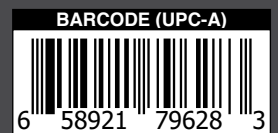
This variable refrigerant flow (VRF) is a type of HVAC technology to set and adjust smart home climate. Supporting 20 brands of AC VRF units, it can navigate the cooling and heating devices with variable motor speed and help to energy efficiency. Install and integrate with FCUs and ACs to control home temperature intelligently.

## KEY BENEFITS

- + Works with TIS Bus protocol
- + Eliminates energy wastage
- + Controls VRF of 20 AC Brands
- + Supports 32 indoor units

## KEY FEATURES

- ★ Standard 35 mm Din-Rail Mounted
- ★ Works with Modbus RTU Protocol
- ★ RS485 ASCII Code Supported
- ★ LCD Display
- ★ Buttons for Manual ON/OFF



# TIS VRF CONTROLLER

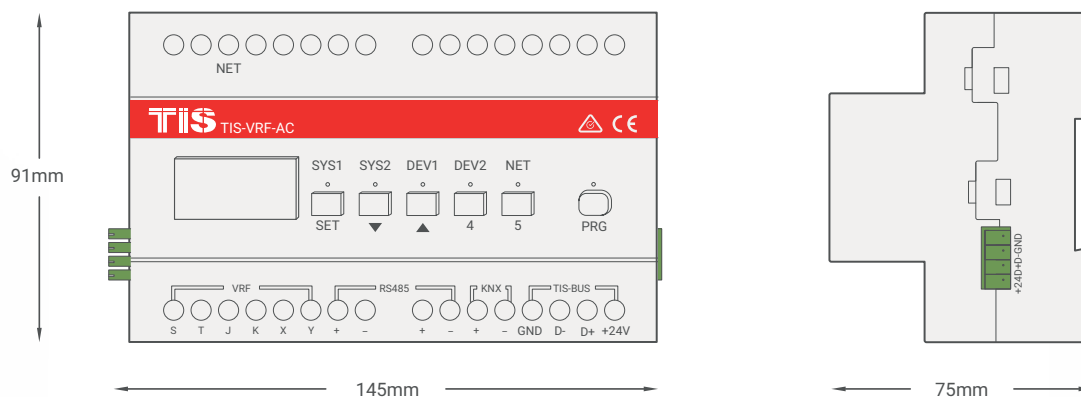
## VARIABLE REFRIGERANT FLOW

Model: TIS-VRF-AC



### 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 3rd party integration
	Micro USB	Special upgrade
<b>Other specification</b>	Contact Resistance	100m max. (at 1A 24VDC)
	Insulation Resistance	1000M (500VDC)
<b>TIS Bus</b>	Number of devices on 1 line	Max. 64
	Bus voltage	12-32 V DC
	Current consumption (Normal)	<40 mA / 24 V DC
<b>Reaction time</b>		approx. 20ms
<b>Mounting</b>	Din Rail	Standard 35 mm Din rail
	Wall mount	screw holder on the back of the module
<b>Connection terminal</b>	Load and Power	Screw terminal 0,25...4mm <sup>2</sup>
	Data / bus	Male/female connectors link + screw terminal
<b>Weight</b>	Without packaging	0.35 KG
<b>Dimensions</b>	Width x length x height	91mm x 145mm x 75mm
<b>Housing</b>	Materials	ABS anti fire
	Casing color	Black Gray
	IP rating	IP 20
<b>Temperature range</b>	Operation	-30...60°C
	Storage	-20...60°C
	Transport	-30...75°C
<b>Air humidity</b>		<85% non-condensing



Copyright © 2022 TIS, All Rights Reserved

TIS Logo is a Registered Trademark of Texas Intelligent System LLC in the United States of America. This company takes TIS Control Ltd. in other countries. All of the Specifications are subject to change without notice.

TEXAS INTELLIGENT SYSTEM LLC  
SUITE# 610, 860 NORTH DOROTHY DR  
RICHARDSON  
TX 75081.USA

TIS CONTROL LIMITED  
FLAT/RM A 12/F ZJ 300, 300  
LOCKHART ROAD, WAN CHAI,  
HONG KONG