TIS HVAC VAV CONTROLLER

Data Sheet Rev 3.2

Model: HVAC6-3A-T

OVERVIEW

This module has 6 relays to control multiple fan speeds (low, medium, high), cooling, heating, and auxiliary contact. the auxiliary contact can be configured for both a dehumidifier and/or second heating/cooling pump.

The HVAC Module is also equipped with an external temperature sensor that helps when it's working with other wall thermostats. It can function as a stand-alone room heating calculator as well (it shows the average temperature in a room). This means that the HVAC Module installed in any room can be linked to the other room thermostat. As the result, both rooms are warmed based on their scale, and no one is overheated.

KEY BENEFITS

- Fan Coil Unit Control
- 0-10V Valve Control
- 6 Buttons for Manual ON/OFF
- External temperature sensor input
- DIY Programming

KEY FEATURES

- Standard 35 mm Din-Rail Mounted
- Free Voltage output
- 3A Current per channel
- Reverse Polarity Protection
- Works with TIS-BUS Protocol

CE RoHS COMPLIANT FC

BARCODE (UPC-A)

6 58921 79838 6

TIS HVAC VAV CONTROLLER

Model: HVAC6-3A-T

PRODUCT SPECIFICATIONS

Output Switching Voltage	Number of channels	6
	Nominal voltage	0 – 230 V AC 50/60 Hz
	VAV outputs	0-10V / 50mA
Output switching current	Nominal current per channel	
	Low current	3 A / VDC
	Air condition controllers	2 A / VAC
	Max switching current	3A / VDC
	Max Continues current	2A / VAC
Output service life	Mechanical service life	> 5,000,000 Times
Output switching times	Operating time	10mS (at nomi. Volt)
	Releasing time	10mS (at nomi. Volt)
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)	<20 mA / 24 V DC
	Current consumption (Peak)	<100 mA / 24 V DC
	Protection	Reverse polarity protection
Inputs	Temperature	Resistive temperature sensor
Reaction time		approx. 20ms
Function & programmable options	Cool, Heat, Aux	Cool, Heat, Aux programmable outputs
	Fan speed control	Low, Medium, High linked outputs
	VAV 0-10V	Can set any voltage for Low, Med & High
	Look the buttons	Can look the Module buttons or unlock it.
	Programming	DIY Manual programming with TIS Panel
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…4mm2
	Data / bus	Male/female connectors Link + screw Terminal

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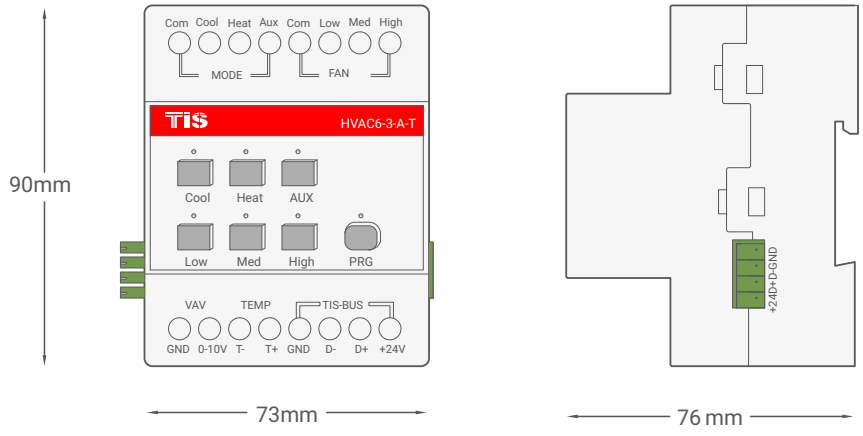
PRODUCT SPECIFICATIONS

Weight		Without packaging	0.25 KG
Dimensions		Width × Length × Height	73mm × 76mm × 90mm
Housing		Materials	ABS fire proof
		Casing color	Black Gray
		Button color	Silver
		IP rating	IP 20
Temperature range		Operation	-30…60°C
		Storage	-20…60°C
		Transport	-30…75°C
Air humidity			<85% non-condensing



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