TIS HVAC VAV Controller

Model: HVAC6-3A-T

Products Datasheets V3.1

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

- Control Fan Coil Unit
- Control 0-10V Valve
- 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
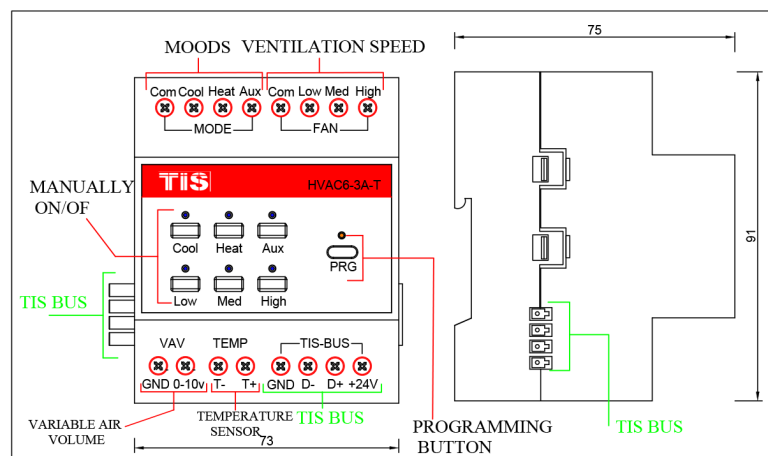- Reverse Polarity Protection
- Works with TIS-BUS Protocol

CE RoHS COMPLIANT PG ✓

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HVAC6-3A-T

PRODUCT CHARACTERISTICS

Outputs 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	3 A / 28 VDC	
	Low current	2 A / 230 VAC	
	Air condition controllers	3A/230 VAC	
	Max switching current	2A/230 VAC	
	Max Continues current		
Output service life	Mechanical service life	> 5,000,000 Times	
Output switching times	Operating time	10mS (at nomi. Volt)	
	Releasing time	10 mS (at nomi. Volt)	
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…4mm^2	
	Data / bus	Male/female connectors link + screw terminal	
Weight	Without packaging	0.25 KG	
Dimensions	Width x length x height	90mm x 73mm x 76mm	
Housing	Materials	ABS anti fire	
	Casing color	Black Gray	
	IP rating	IP 20	
Temperature range	Operation	-30…60°C	
	Storage	-20…60°C	
	Transport	-30…75°C	
Air humidity		<85% non-condensing	