



TIS POWER RELAY

12 Channels 10 Amps

Data Sheet Rev 3.2

Model: VLC-12CH-10A



OVERVIEW

Our Relay Series, which is based on the number of channels and available in different types, is an integral part of any automation system and is used to turn ON/OFF or OPEN/CLOSE different parts of your appliances, such as lights, sprinklers, gate motors, curtains, shutters, fan speed, floor heating, water/ gas valves, sirens, flashers, and more.

Also, it is not limited to the number of outputs; since this solution works in the TIS-BUS system, it can be linked to another module to control as many outputs as you want simultaneously.

KEY BENEFITS

- + 12 Switching Power Relay
- + 12 Buttons for Manual ON/OFF
- + DIY Programming
- + Timer and consumption calculation function
- + Works with TIS-BUS Protocol

KEY FEATURES

- ★ Standard 35 mm Din-Rail Mounted
- ★ Free Voltage output
- ★ 10A Current per channel
- ★ Reverse Polarity Protection
- ★ Lights, Motors, and FCUs Control



BARCODE (UPC-A)



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PRODUCT SPECIFICATIONS

Output Switching Voltage	Number of channels	12
	Nominal voltage	0 – 230 V AC 50/60 Hz
	Max switching voltage	440VAC / 125VDC
Output switching current	Nominal current per channel	10 A
	Maximum total channel load	120 A
	Max switching current	16A resistive 8A florescent
	Max continuous current	10A VAC
Output service life	Mechanical service life	> 10,000,000 Times
Output switching times	Operating time	15mS (at nomi. Volt)
	Releasing time	8 mS (at nomi. Volt)
	Max operating frequency	20 cycle/min
TIS Bus	Number of devices on 1 line	Max. 64
	Bus voltage	12-32 V DC
	Current consumption (Normal)	<15 mA / 24 V DC
	Current consumption (operation)	<140 mA / 24 V DC
	Protection	Reverse polarity protection
Reaction time		approx. 20ms
Operating and display elements	Programming button/LED	For assignment of the physical address
	1-12 buttons	Manual ON/OFF and Programming
	By TIS bus	TIS Protocol messages and commands
	Programming	Manual basic programming or via software
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
Functions	Lighting control ON/OFF	12 channels controlled separately
	Curtain control	Can set 6 groups of curtains (open/close)
	Fan speed control	Can set 4 groups of fans (low, med, high)
	Scenes	12 different scenarios
	Sequences	12 different sequences



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TIS POWER RELAY

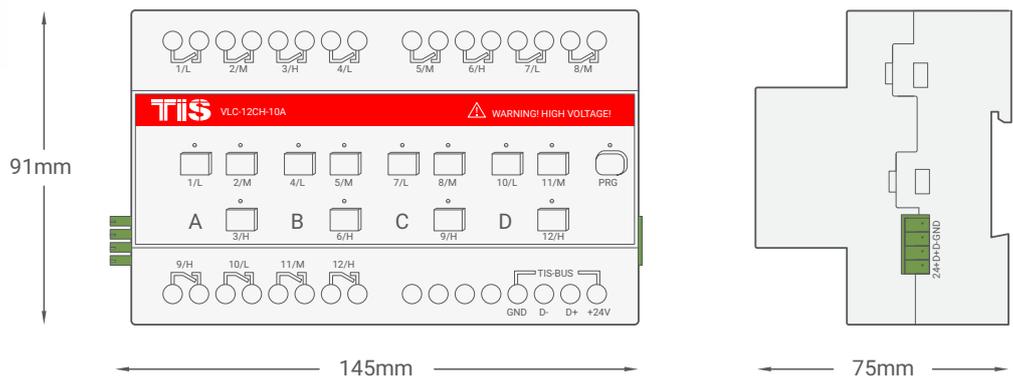
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PRODUCT SPECIFICATIONS

	Weight	Without packaging	0.45 KG
	Dimensions	Width x Length x Height	145mm x 75mm x 91mm
	Housing	Materials Casing color Button color IP rating	ABS fire proof Black Gray Silver IP 20
	Temperature range	Operation Storage Transport	0...60°C -20...50°C -25...75°C
	Air humidity		<85% non-condensing



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