



Data Sheet Rev 3.2

TIS POWER RELAY

12 Channels 10 Amps

Model: VLC-12CH-10A



OVERVIEW

This product is a power relay switch with electromagnet for lights' turn ON/OFF or motors' Open/Close function. It enables smart control over lights, sprinklers, gates, shutters and curtains, fan speed, valves, etc. and is ideal for residential and industrial applications.

KEY BENEFITS

- + Compatibility with other TIS solutions
- + Expandable functions using BUS couplers
- + Suitable for all types of back boxes
- + Applicable in home, hotel & office rooms

KEY FEATURES

- ★ 12 switching channels
- ★ 12 buttons for manual control
- ★ Programmable for scenes & presets
- ★ Reverse polarity protection



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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
	Operation	Programming button/LED	For assignment of the physical address
		1-12 buttons	Manual ON/OFF & programming
		By TIS bus	TIS protocol messages & commands
		Programming	Manual & 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 separately controllable channels
		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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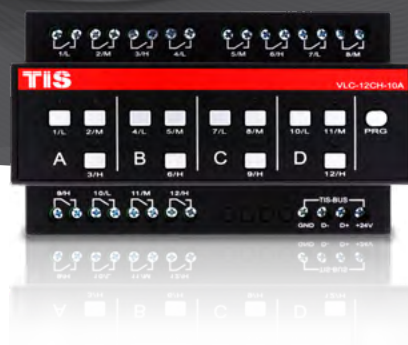
TIS CONTROL LIMITED
Wanchai, Hong Kong

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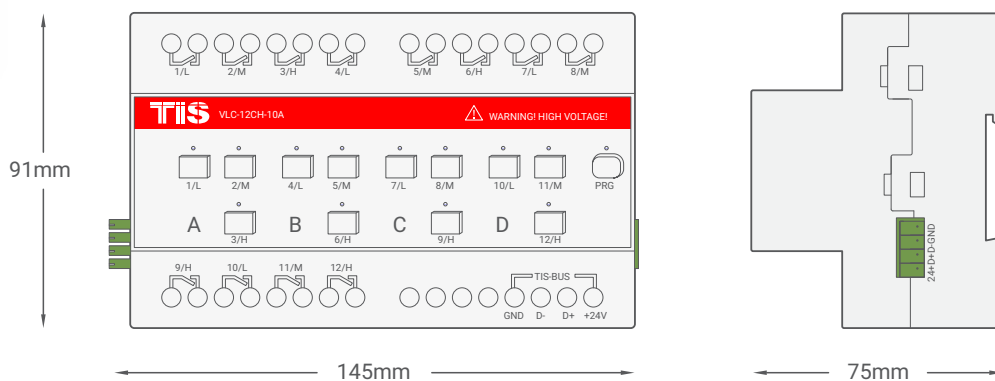
Model: VLC-12CH-10A

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PRODUCT SPECIFICATIONS

	Weight	Without packaging	450g
	Dimensions	Width x Length x Height	75mm x 145mm x 91mm
	Housing	Materials Casing color Button color IP rating	Fireproof ABS Black 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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