



Data Sheet Rev 3.2

TIS POWER RELAY

6 Channels 5 Amps

Model: VLC-6CH-5A



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

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



BARCODE (UPC-A)



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PRODUCT SPECIFICATIONS

Output	Number of channels	6
	Nominal voltage	0 – 230 V AC 50/60 Hz
	Nominal current per channel	
	Low current	5 A
	Lighting incandescent lamp	4 A
	Motors / Air condition	3 A
Output switching current	LED and CFL lamp	1 A
	Max switching current	5A
Output service life	Max Continues current	4A
	Mechanical service life	> 5,000,000 Times
Output switching times	Operating time	10 mS (at nomi. Volt)
	Releasing time	10 mS (at nomi. Volt)
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 (operation)	<100 mA / 24 V DC
	Protection	Reverse polarity protection
Reaction time		approx. 20ms
Operation	Programming button/LED	For assignment of the physical address
	1-6 buttons	Manual ON/OFF & programming
	By TIS bus	TIS protocol messages & commands
Mounting	Programming	Manual & via software
	Din rail	Standard 35 mm din rail
Connection terminal	Wall mount	screw holder on the back of the module
	Load and power	Screw terminal 0,25...4mm ²
Functions	Data / bus	Male/female connectors link + screw terminal
	Lighting control ON/OFF	6 separately controllable channels
	Motor setting	Can set 3 groups of curtains (open/close)
Weight	Fan speed control	Can set 2 groups of fans (low, med, high)
	Without packaging	210g
Dimensions	Width x Length x Height	76mm x 73mm x 90mm

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PRODUCT SPECIFICATIONS

Housing	Materials	Fireproof ABS
	Casing color	Black
	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

