



BALLAST CONTROLLER 0-10V

6Channel 0-10V Module

Data Sheet Rev 3.2

Model: RLY-6CH-0-10V



OVERVIEW

The module has 6 switching with 0-10V output channels; thus, it is capable of controlling all 0-10V ballast controller that dim different type of lights.

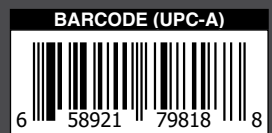
Also, the module let you know how much energy is consumed per day, month, and year. They provide you with a concise consumption report to assist you in developing and implementing effective energy management policies.

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



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PRODUCT SPECIFICATIONS

↑ Output Switching Voltage	Number of channels	6
	Nominal voltage	0 – 230 V AC 50/60 Hz
	Max. switching Voltage	440VAC / 125VDC
	Analog Output	6 outputs 0-10V
↑ Output switching current	Nominal current per channel	10A
	Maximum total channel load	60A
	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
TISBUS TIS Bus	Number of devices on 1 line	Max. 64
	Bus voltage	12-32 V DC
	Current consumption (Normal)	<30 mA / 24 V DC
	Current consumption (operation)	<150 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
	1-6 buttons	Manually ON/OFF and programming
	By TIS bus Programming	TIS protocol messages and commands Manual basic programming, or by 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 Dimming	6 channels controlled separately
	Curtain control	Can set 3 group of curtains (open/close) option
	Dimming	used with 0-10V output for dimming
	Scenes	6 different scenarios



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PRODUCT SPECIFICATIONS

	Weight	Without packaging	0.4 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

