

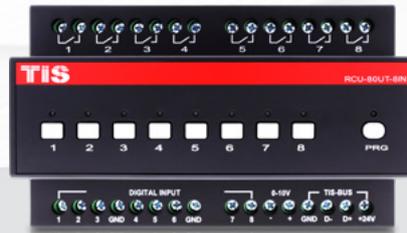


ROOM CONTROL UNIT

8 INPUTS 8 OUTPUTS

Data Sheet Rev 3.2

Model: RCU-8OUT-8IN



OVERVIEW

The module has 8 channel inputs and outputs with one 0-10V output channel; thus, it is capable of controlling almost everything in an automation project. This device is compatible with all the sensors, lights, FCU, curtains, shutters, and motors available on the market. This unit can control a large area, performing all functions while also monitoring and decreasing energy consumption.

RCU 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

- + 8 Switching Latching Relay
- + 8 Digital inputs
- + 8 Buttons for Manual ON/OFF
- + 1 channel 0-10V Output
- + Timer and consumption calculation function
- + Works with TIS-BUS Protocol

KEY FEATURES

- ★ Standard 35 mm Din-Rail Mounted
- ★ Free Voltage Switching output
- ★ 10A Current per channel
- ★ Reverse Polarity Protection
- ★ DIY Programming



BARCODE (UPC-12)



6 58921 79821 8



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PRODUCT SPECIFICATIONS

↑ Output Switching Voltage	Number of channels	8
	Nominal voltage	0 – 230 V AC 50/60 Hz
	Max. switching Voltage	440VAC / 125VDC
	Analog Output	Ch8 include 0-10V output for dimming
↑ Output switching current	Nominal current per channel	Ch1 20A, Ch 2-8 10 A
	Maximum total channels load	90 A
	Max switching current	16A Resistive 8A Florescent
	Max Continues 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
↓ Input	Number of channels	8
	Input Type	Digital input. Open / Close
	Length of connected wire	< 350 meter
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 (Peak)	<50 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
	2 buttons	Manually ON/OFF and programming
	By TIS bus	TIS protocol messages and commands
	Programming	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...4mm2
	Data / bus	Male/female connectors Link + screw Terminal



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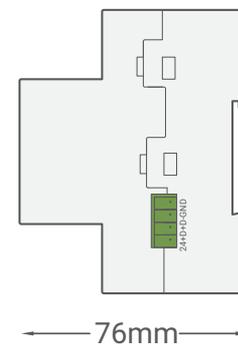
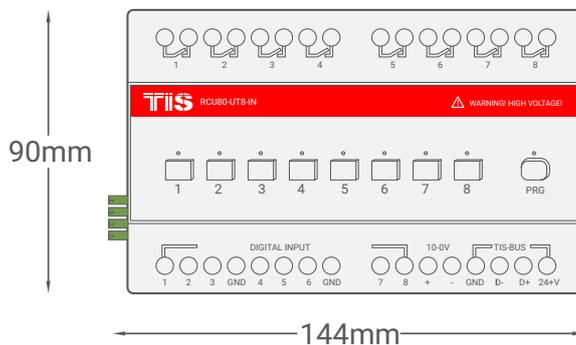
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PRODUCT SPECIFICATIONS

	Functions	Lighting control ON/OFF Dimming Curtain control Fan speed control Dimming Scenes 8 Digital inputs	8 channels controlled separately Can set 4 group of curtains (open/close) option Can set 2 group of Fan (low, med, high) option Ch 8 used with 0-10V output for dimming 8 different scenarios Programmable inputs to connect to normal wall switches and sensors
	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



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