



# TIS RCU MODULE

Room Control Unit with 24 Outputs

Data Sheet Rev 3.2

Model: RCU-24R20Z



## OVERVIEW

This product is a smart controller with 20 input and 24 output channels ideal for the automation of lights, sensors, FCU, curtains and motorized devices for maximum efficiency and user comfort.

### KEY BENEFITS

- + Compatibility with other TIS solutions
- + Improving management efficiency
- + Saving energy & costs
- + Applicable in all types of projects

### KEY FEATURES

- ★ Din rail & wall mounting
- ★ 20 Input/24output channels
- ★ User-friendly programming
- ★ Consumption calculation & timer setting



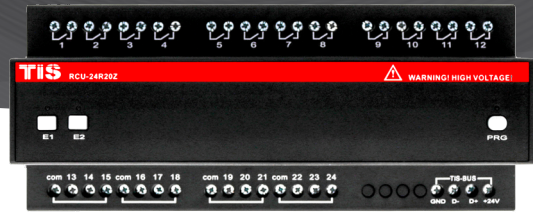
BARCODE (UPC-A)



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PRODUCT SPECIFICATIONS		
↑ <b>Output Switching Voltage</b>	Number of channels	24
	Nominal voltage	0 – 230 V AC 50/60 Hz
	Max. switching voltage	440VAC / 125VDC
	Nominal current per channel	Ch. 1-12: 10A, Ch. 13-24: 5A
↑ <b>Output switching current</b>	Maximum total channels load	180 A / 230
	Max switching current	Ch. 1-12: 16A, Ch. 13-24: 6A
	Max continues current	Ch. 1-12: 10A, Ch. 13-24: 5A
↑ <b>Output service life</b>	Mechanical service life	> 10,000,000 Times
↑ <b>Output switching times</b>	Operating time	15mS (at nomi. Volt)
	Releasing time	8 mS (at nomi. Volt)
	Max. operating frequency	20 cycle/min
↓ <b>Input</b>	Number of channels	20
	Input Type	Digital input. Open / Close
	Length of connected wire	< 350 meter
	Number of devices on 1 line	Max. 64
TISBUS <b>TIS Bus</b>	Bus voltage	12-32 V DC
	Current consumption (Normal)	<45 mA / 24 V DC
	Current consumption (Peak)	<400 mA / 24 V DC
	Protection	Reverse polarity protection
⌚ <b>Reaction time</b>		approx. 20ms
⚙️ <b>Operation</b>	Programming button/LED	For assignment of the physical address
	2 buttons	Manually ON/OFF and programming
	By TIS bus	TIS protocol messages and commands
🔧 <b>Mounting</b>	Programming	Manual & via software
	Din Rail	Standard 35 mm din rail
🔌 <b>Connection terminal</b>	Wall mount	screw holder on the back of the module
	Load and Power	Screw terminal 0,25...4mm <sup>2</sup>
⚙️ <b>Functions</b>	Data / bus	Male/female connectors Link + screw terminal
	Lighting control ON/OFF	24 separately controllable channels
	Curtain control	Can set 12 groups of curtains open/close
	Fan speed control	Can set 8 groups of fan speed options (low, med, high)
	Scenes	12 different scenarios
	24 digital inputs	Programmable inputs to connect to normal wall switches and sensors



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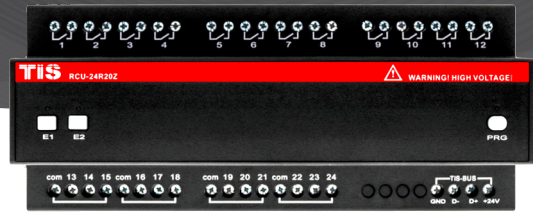
TIS CONTROL PTY LIMITED  
SA, AUSTRALIA

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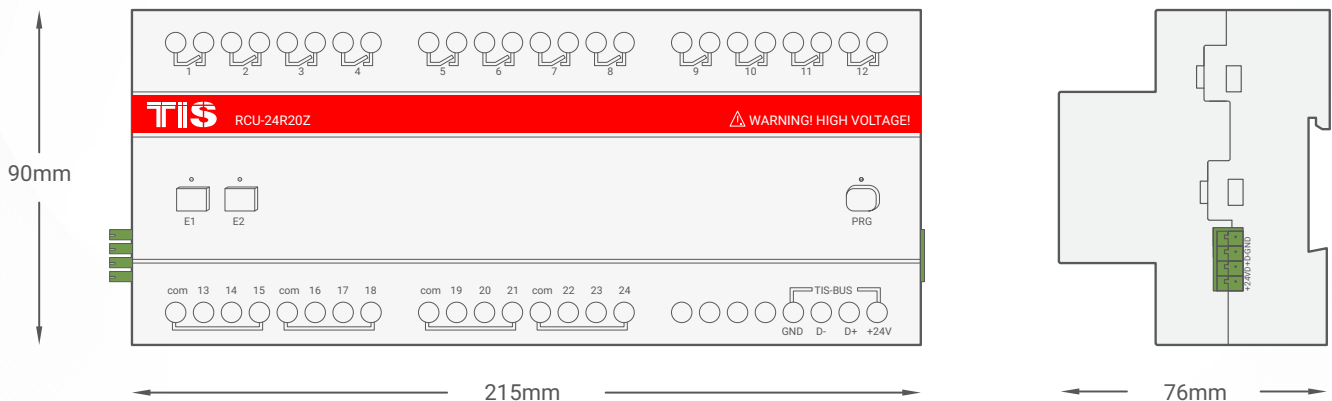
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## PRODUCT SPECIFICATIONS

	<b>Weight</b>	Without packaging	500g
	<b>Dimensions</b>	Width x Length x Height	215mm x 76mm x 91mm
	<b>Housing</b>	Materials	Fireproof ABS
		Casing color	Black Gray
		Button color	Silver
		IP rating	IP 20
	<b>Temperature range</b>	Operation	0...60°C
		Storage	-20...50°C
		Transport	-25...75°C
	<b>Air humidity</b>	<85% non-condensing	



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