



TIS RCU MODULE

Room Control Unit with 20 Channels

Data Sheet Rev 3.2

Model: RCU20R20Z-IP



OVERVIEW

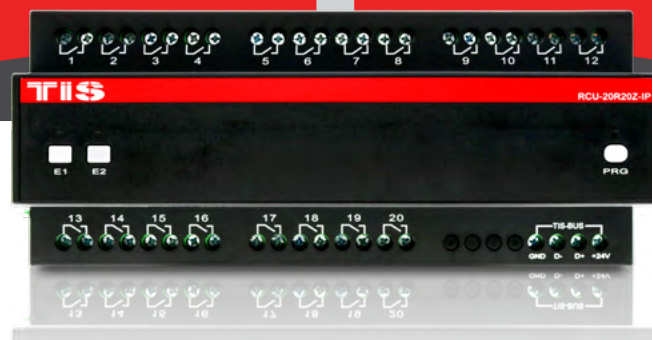
This product is a smart controller with 20 input/output channels ideal for the automation of lights, sensors, FCU, curtains and motorized devices for maximum efficiency and user comfort.

KEY BENEFITS

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

KEY FEATURES

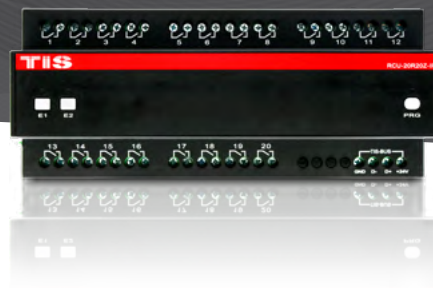
- ★ Din rail & wall mounting
- ★ 20 Input/output channels
- ★ User-friendly programming
- ★ Consumption calculation & timer setting














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PRODUCT SPECIFICATIONS			
	Output switching Voltage	Number of channels	20
		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 channels load	200 A
		Max switching current	16 A resistive 8 A florescent
		Max continues current	10 A 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	20
		Input Type	Digital input. Open / Close
		Length of connected wire	< 350 meter
	TIS Bus	Number of devices on 1 line	Max. 64
		Bus voltage	12-32 V DC
		Current consumption (Normal)	<45 mA / 24 V DC
		Current consumption (Peak)	<60 mA / 24 V DC
		Protection	Reverse polarity protection
	Reaction time		approx. 20ms
	Operation	Programming button/LED	For assignment of the physical address
		2 buttons	Emergency programmable on/off buttons
		By TIS bus	TIS protocol messages and commands
		Programming	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	20 separately controllable channels
		Curtain control	Can set 10 groups of curtains (open/close) option
		Fan speed control	Can set 6 groups of fan speed options (low, med, high)
		Scenes	12 different scenarios
		20 digital inputs	Programmable inputs to connect to normal wall switches and sensors



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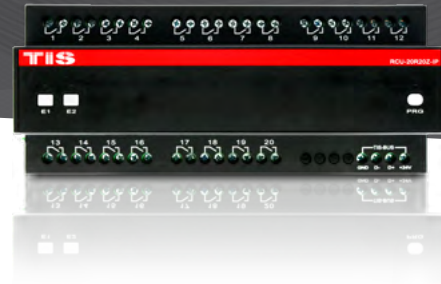
TIS CONTROL LIMITED
Wanchai, Hong Kong

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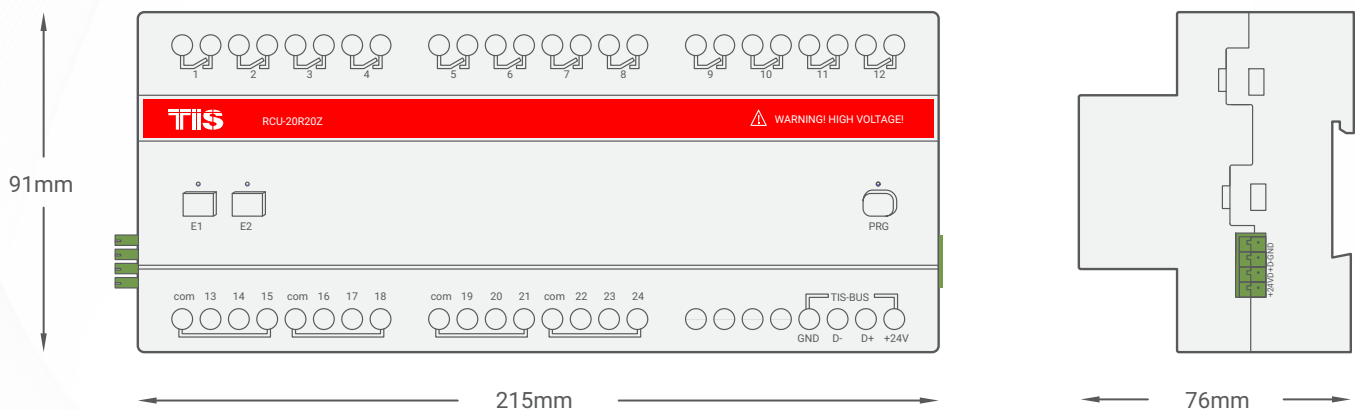
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PRODUCT SPECIFICATIONS

	Weight	Without packaging	800g
	Dimensions	Width × length × height	215mm × 76mm × 91mm
	Housing	Materials Casing color Button color IP rating	Fireproof ABS 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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