

Product update

Zelio® REG Temperature Controllers

> October 2010



Zelio® REG temperature controllers are a key component for a temperature regulation solution.

Combining simplicity, performance and value, these cost-effective controllers can quickly interface with solid-state relays, electromechanical relays, PLCs, variable speed drives and HMI displays (currently offered by Schneider Electric) to regulate temperatures critical to heating and refrigeration applications.

Typical installations can include industrial machines, plastic extrusion, conveyance, food and beverage, HVAC, packaging, and textile machinery.

With Modbus communications and many advanced functions integrated as standard features; these simple-to-use controllers require no additional options or add-ons for operation. This saves you time and money for selection, installation and operation. Zelio REG temperature controllers include almost all required user functions – there's no need to select and buy any add-ons or options. The Zelio Relay product line encompasses a wide range of products ranging from basic to full-featured relays designed for industrial and general purpose product designs.



> 24 x 48 mm (1/32 DIN)

> Cost-effective for basic temperature control needs



> 48 x 48 mm (1/16 DIN)

> Optimal balance of price and functionality



> 96 x 48 mm (1/8 DIN)

> Full-featured for maximum performance and function

> Key features and benefits:

- > Quick integration with relays, variable speed drives, PLC and HMI
- > Easy installation with key pad or software
- > Free “Zelio control soft” software downloadable at www.schneider-electric.co.uk
- > Inbuilt Modbus communication for easy data exchange with other automation products
- > Single cable for connection with PLC and computer
- > High luminous LED for clear display
- > Flash memory for saving configurations
- > Compatible with a wide range of sensors
- > Advanced functions such as
 - PID, ramps, fuzzy logic, auto-tuning as standard on all models
 - Soft start, automatic and manual mode (depending upon model)
- > IP66 certification for severe environment conditions

Order references

28 x 48 size – 1/32 DIN Standard

Input Type	Supply Voltage	Number and type of Output	Alarms	Communication on Modbus	Order Reference
Thermocouple PT100 probe	100/240 VAC	1 electromechanical relay	No	Yes	REG 24PTP1RHU
		1 electromechanical relay	1	No	REG24PTP1ARHU
		1 solid state relay	No	Yes	REG 24PTP1LHU
		1 solid state relay	1	No	REG 24PTP1ALHU
		1 analog interface (4-20 mA)	No	Yes	REG 24PTP1JHU
	24 VAC/VDC	1 electromechanical relay	No	Yes	REG 24PTP1RLU
		1 solid state relay	No	Yes	REG 24PTP1LLU
		1 analog interface (4-20 mA)	No	Yes	REG 24PTP1JLU
Voltage/current	100/240 VAC	1 electromechanical relay	No	Yes	REG 24PUJ1RHU
		1 solid state relay	No	Yes	REG 24PUJ1LHU
	24 VAC/VDC	1 electromechanical relay	No	Yes	REG 24PUJ1RLU
		1 solid state relay	No	Yes	REG 24PUJ1LLU

48 x 48 size – 1/16 DIN Standard

Input Type	Supply Voltage	Number and type of Output	Alarms	Communication on Modbus	Order Reference	
Universal	100/240 VAC	1 electromechanical relay	2	Yes	REG 48PUN1RHU	
				No	REG 48PUNL1RHU	
		2 electromechanical relays	2	Yes	REG 48PUN2RHU	
		1 solid state relay	2	Yes	REG 48PUN1LHU	
				No	REG 48PUNL1LHU	
		1 solid state relay + 1 electromechanical relay		Yes	REG 48PUN2LRHU	
		1 analog interface (4-20 mA)	2	Yes	REG 48PUN1JHU	
		1 solid state relay + 1 analog interface (4-20 mA)	2	Yes	REG 48PUN2LJHU	
		24 VAC/VDC	1 electromechanical relay	2	Yes	REG 48PUN1RLU
			2 electromechanical relays	2	Yes	REG 48PUN2RLU
	1 solid state relay		2	Yes	REG 48PUN1LLU	
	1 solid state relay + 1 electromechanical relay		2	Yes	REG 48PUN2LRLU	
		1 analog interface (4-20 mA)	2	Yes	REG 48PUN1JLU	
		1 solid state relay + 1 analog interface (4-20 mA)	2	Yes	REG 48PUN2LJLU	

Order references

98 x 48 size – 1/8 DIN Standard

Input Type	Supply Voltage	Number and type of Output	Alarms	Communication on Modbus	Order Reference	
Universal	100/240 VAC	1 electromechanical relay	3	Yes	REG 96PUN1RHU	
				No	REG 96PUNL1RHU	
		2 electromechanical relays	3	Yes	REG 96PUN2RHU	
				Yes	REG 96PUN1LHU	
		1 solid state relay	3	No	REG 96PUNL1LHU	
				Yes	REG 96PUN2LRHU	
			1 solid state relay + 1 electromechanical relay	3	Yes	REG 96PUN2LRHU
			1 analog interface (4-20 mA)	3	Yes	REG 96PUN1JHU
			1 solid state relay + 1 analog interface (4-20 mA)	3	Yes	REG 96PUN2LJHU
	24 VAC/VDC	1 electromechanical relay	3	Yes	REG 96PUN1RLU	
		2 electromechanical relays	3	Yes	REG 96PUN2RLU	
		1 solid state relay	3	Yes	REG 96PUN1LLU	
		1 solid state relay + 1 electromechanical relay	3	Yes	REG 96PUN2LRLU	
1 analog interface (4-20 mA)		3	Yes	REG 96PUN1JLU		
1 solid state relay + 1 analog interface (4-20 mA)		3	Yes	REG 96PUN2LJLU		

Accessories

Description	For Use with model	Sold in Lots of	Order Reference
Bracket for mounting on DIN rail	24 x 48mm (1/32 DIN)	4	REG 24PSOC
Terminal block cover	48 x 48mm (1/16 DIN)	2	REG 48PCOV
	96 x 48mm (1/8 DIN)	2	REG 96PCOV

For further information please contact us on 0870 608 8 608 or visit www.schneider-electric.co.uk