

Elexant 3500i Electronic Thermostat



The Raychem Elexant 3500i is a family of compact, full-featured, electronic thermostats for heat tracing control and monitoring in freeze protection and process temperature applications. Designed from a common hardware platform, the Elexant 3500i offers multiple variants with different features to allow the user flexibility in tailoring their heat tracing needs. Available features include: alarm relay, RS-485 and Bluetooth connections, load sensing, ground fault detection, automated heat trace system check, mobile application for wireless configuration, and more. The Elexant 3500i is suitable for hazardous and nonhazardous locations, and can be wall mounted or pipe mounted.

CARACTERÍSTICAS

Multiple variants to allow flexibility for different heat-tracing requirements

Options including dry contact alarm relay, RS-485 and Bluetooth communications, load current detection, ground fault detection and trip, as well as the ability to configure as a thermostat or limiter

Power Connection and Thermostat in one kit

250k cycle endurance for long life

Approved for up to 32A and 277Vac

Suitable for extreme environments with an ambient operating temperature from -55°C to 60°C

ESPECIFICACIONES

NEMA Rating:	4X
Max Power Supply Input Wire Size:	16 mm ²
Max Ground Terminal Wire Size:	16 mm ²
Max Heating Cable Output Wire Size:	16 mm ²

Control Max Current:	32A @ 40°C, derated to 28A @ 50°C and 24A @ 60°C ambient operating temperature
Profundidad:	90 mm
Ancho:	206 mm
Control Max Voltage:	277 VAC Nominal, 50/60Hz
Relative Humidity:	0% to 90%, Noncondensating
Clasificación IP:	IP66
Control Algorithms:	On/Off, Always On, Always Off
Hazardous Area:	Sí
Intrinsically Safe Barriers on RTD Inputs:	Sí
Temperature Control Range:	-55 a 550 °C
Temperatura de funcionamiento:	-55 a 60 °C
Temperature Alarm:	-60 a 600 °C

Table 1/2

Número de catálogo	Altura	Autocycle	Comunicaciones	Communication Protocol	Control Relay Type	Ground Fault Alarm
2000002454	183 mm		Sí	Modbus RTU	Single-Pole Hybrid	
2000002626	282 mm		Sí	Modbus RTU	Single-Pole Hybrid	
2000002924	183 mm	24 h	Sí	Modbus RTU	Double-Pole, Hybrid	30 mA min
2000003749	183 mm				Single-Pole Hybrid	
2000003750	183 mm				Single-Pole Hybrid	
2000003751	183 mm	24 h	Sí	Modbus RTU	Double-Pole, Hybrid	
2000003757	282 mm				Single-Pole Hybrid	
2000003758	282 mm				Single-Pole Hybrid	
2000003759	282 mm	24 h	Sí	Modbus RTU	Double-Pole, Hybrid	
2000003760	282 mm	24 h	Sí	Modbus RTU	Double-Pole, Hybrid	30 mA min

Table 2/2

Número de catálogo	Montaje	RS-485 Cable Type	RS-485 Max Cable Length	Safety Limiter
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2000002454	Pared	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000002626	Tubo	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000002924	Pared	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000003749	Pared			
2000003750	Pared			
2000003751	Pared	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000003757	Tubo			
2000003758	Tubo			
2000003759	Tubo	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000003760	Tubo	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter

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Norteamérica

Tel +1.800.545.6258
Fax +1.800.527.5703
thermal.info@nvent.com

Europe, Middle East, Africa

Tel +32.16.213.511
Fax +32.16.213.604
thermal.info@nvent.com

Asia Pacific

Tel +86.21.2412.1688
Fax +86.21.5426.3167
cn.thermal.info@nvent.com

Latinoamérica

Tel +1.713.868.4800
Fax +1.713.868.2333
thermal.info@nvent.com

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