

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.

KENMERKEN

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

SPECIFICATIES

NEMA Rating:	4X
Max Power Supply Input Wire Size:	16 mm ²
Maximale draadmaat aardingsterminal :	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
Diepte:	90 mm
Breedte:	206 mm
Control Max Voltage:	277 VAC Nominal, 50/60Hz
Relative Humidity:	0% to 90%, Noncondensating
IP-classificatie:	IP66
Control Algorithms:	On/Off, Always On, Always Off
Hazardous Area:	Ja
Intrinsically Safe Barriers on RTD	
Inputs:	Ja
Temperature Control Range:	-55 tot 550 °C
Bedrijfstemperatuur:	-55 tot 60 °C
Temperature Alarm:	-60 tot 600 °C

Table 1/2

Catalogusnummer	Naam van het item	Hoogte	Autocycle	Communicatie	Communication Protocol	Control Relay Type
2000002454	Elexant 3500i-C-W-A	183 mm		Ja	Modbus RTU	Single-Pole Hybrid
2000002626	Elexant 3500i-C-P-A	282 mm		Ja	Modbus RTU	Single-Pole Hybrid
2000003750	Elexant 3500i-AR-W-A	183 mm				Single-Pole Hybrid
2000003751	Elexant 3500i-I-W-A	183 mm	24 h	Ja	Modbus RTU	Double-Pole, Hybrid
2000003758	Elexant 3500i-AR-P-A	282 mm				Single-Pole Hybrid
2000003759	Elexant 3500i-I-P-A	282 mm	24 h	Ja	Modbus RTU	Double-Pole, Hybrid

Table 2/2

Catalogusnummer	Naam van het item	Montage	RS-485 Cable Type	RS-485 Max Cable Length	Safety Limiter
2000002454	Elexant 3500i-C-W-A	Wand	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000002626	Elexant 3500i-C-P-A	Pijp	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000003750	Elexant 3500i-AR-W-A	Wand			

Catalogusnummer	Naam van het item	Montage	RS-485 CableType	RS-485 Max Cable Length	Safety Limiter
2000003751	Elexant 3500i-I-W-A	Wand	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000003758	Elexant 3500i-AR-P-A	Pijp			
2000003759	Elexant 3500i-I-P-A	Pijp	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter

WAARSCHUWING

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