

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.

FUNKSJONER

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

SPESIFIKASJONER

NEMA-klassifisering:	4X
Max ledertversnitt på tilføelskabel:	16 mm ²
max ledertverrsnitt på jord:	16 mm ²
Max varmekabel ledertverrsnitt:	16 mm ²

Kontroll maks. strøm:	32A @ 40°C, derated to 28A @ 50°C and 24A @ 60°C ambient operating temperature
Dybde:	90 mm
Bredde:	206 mm
Kontroller maksimalspenning:	277 VAC Nominal, 50/60Hz
Relativ fuktighet:	0% to 90%, Noncondensating
IP-klassifisering:	IP66
Kontrollalgoritmer:	On/Off, Always On, Always Off
Farlig område:	Ja
Intrinsically Safe Barriers on RTD Inputs:	Ja
Temperaturstyring-område:	-55 til 550°C
Driftstemperatur:	-55 til 60°C
Temperaturalarm:	-60 til 600°C

Table 1/2

Katalognummer	Elementnavn	Høyde	Automatisk syklisk	Kommunikasjon	Kommunikasjonsprotokoll	Type kontrollrelé
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

Katalognummer	Elementnavn	Montering	RS-485 kabeltype	RS-485 Max Cable Length	Sikkerhetsbegrenser
2000002454	Elexant 3500i-C-W-A	Vegg	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000002626	Elexant 3500i-C-P-A	Rør	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000003750	Elexant 3500i-AR-W-A	Vegg			

Katalognummer	Elementnavn	Montering	RS-485 kabeltype	RS-485 Max Cable Length	Sikkerhetsbegrensninger
2000003751	Elexant 3500i-I-W-A	Vegg	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter
2000003758	Elexant 3500i-AR-P-A	Rør			
2000003759	Elexant 3500i-I-P-A	Rør	One 2-Wire, Shielded Twisted Pair	1200 m	Configurable as Limiter

ADVARSEL

nVent-produkter skal kun installeres og brukes som angitt i nVents produktinstruksjonsark og opplæringsmateriell. Instruksjonsark er tilgjengelige på www.nvent.com og fra nVent-kundeservicerepresentanten din. Feil installasjon, misbruk, feil bruk eller annen unnlatelse av å følge nVents instruksjoner og advarsler i deres helhet kan forårsake produktfeil, skade på eiendom, alvorlig personskade og død og/eller ugyldiggjøre garantien din.

Nord-Amerika

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

Latin-Amerika

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

Our powerful portfolio of brands:

RAYCHEM PYROTENAX TRACER NUHEAT