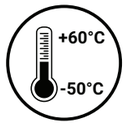
nVent RAYCHEM Elexant 5010i heat trace controller

A single-circuit electronic heat trace controller with central monitoring capabilities for full visibility, data analytics and reduced field interventions in hazardous area.

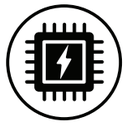
Explore the successor of our nVent RAYCHEM NGC-20 controller.

Proven design. Now for even more extreme environments.



- Based on the successful NGC-20 controller with large base in operation since 15+ years
- Certified for hazardous areas
- Ambient temperature: -50°C to +60°C
- Control temperature: -200°C to +700°C, supporting cryogenic applications.

Faster operation. Higher accuracy. Future proof.



- Faster processor. More memory. IIoT ready.
- Measures current, voltage, ground fault, temperature, power usage
- Sensitivity to 0,1A for short instrumentation lines
- Digital IEC 61508-SIL 2 safety temperature limiter
- Input for 2 control sensors + 1 limiter sensor
- Hybrid switching relay (SSR + EMR) for longer life

Easier installation. Secured configuration.

- Data secured, password protected configuration with new nVent RAYCHEM Elexant Connect mobile App
- Intuitive User Interface
- Improved Bluetooth connection
- Power daisy-chain capability reduces power infrastructure cost

Full connectivity. Anytime. Anywhere.

- Seamless integration with existing Elexant controls, nVent RAYCHEM Supervisor and client DCS system
- Automated heat trace self-test check, real-time monitoring, data-analytics and alarm management reduce manual field interventions

From the inventor of self-regulating heating technology

- **Global leader** in electric heat tracing
- **75Y** expertise in polymer material science
- **50Y** in self-regulating technology
- **1.8 Billion ft/ 550.000 km** cable sold since 1972

Elexant 5010i, building on the legacy of NGC-20

	NGC-20	Elexant 5010i
Controller	Single circuit field controller	Single circuit field controller
Ambient T range	-40°C to +57°C	-50°C to +60°C
T range control unit	-200 to +700°C	-200 to +700°C standard with low T cut-off setpoint
Accuracy	Sensitivity to 0,3 Amps	Sensitivity to 0,1A for short instrumentation lines
SIL limiter	Analog	Digital / Higher accuracy, stability, repeatability
Communications	RS-485, Bluetooth (3m-5m)	RS-485, Bluetooth (BLE / 8m-10m) Password protected. Data Secured.

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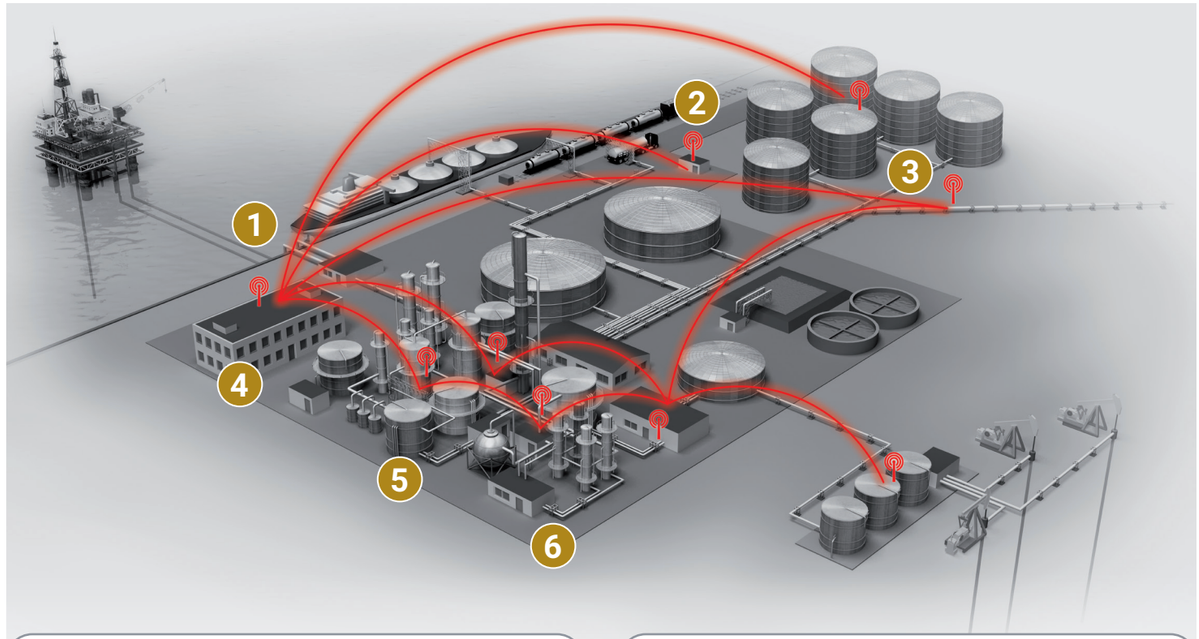
Broad range of control & monitoring solutions



1 nVent RAYCHEM Supervisor

Remote monitoring & configuration of heat tracing circuits (alarm logging, trending, reporting, data-analysis)

2 Connectivity

Hardwired or wireless connection of all components for full heat trace visibility over entire facility

3 nVent RAYCHEM Pipeline Supervisor

Remote monitoring of long pipelines with critical fluids, utilizing Distributed Temperature Sensing data from fiber optic sensor

4 Multi-circuit safe area panels

Located in substation configuration & monitoring via local User Interface and integration to DCS, or nVent RAYCHEM Supervisor

5 Single-circuit field control

Configuration & monitoring via User Interface / Tablet

6 Multi-circuit field panels

Configuration & monitoring via local User Interface and integration to DCS, or nVent RAYCHEM Supervisor

RAYCHEM-FLY-EU2159-Elexant5010iSalesCard-EN-2303

Our powerful portfolio of brands:
CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER