LYNX® Temperature Control Options

LYNX® NXT

LYNX® OEM
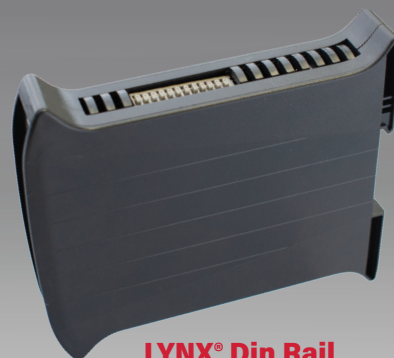
LYNX® Din Rail

LYNX® OI

LYNX Integrated System offers common platform temperature control solutions.

		LYNX® MODULE	LYNX® NXT MODULE	LYNX® OEM	LYNX® DIN Rail
Applications	Exhaust/Foreline	✔	✔		✔
	Gas Delivery	✔	✔		✔
	On-Tool	✔	✔	✔	✔
	Tanks, Vessels	✔	✔	✔	✔
LYNX® OI Compatible		✔	✔	✔	✔
On-Device Configuration		✔	✔		
Universal Voltage		✔	✔	✔	✔
Amperage per Zone		Good	Better	Good	Best
PID Process Control		✔	✔	✔	✔
Heater Break Detection		✔	✔	✔	✔
Multiple Sensors per Zone					✔
Choice of Sensor (RTD, Type-J, or Type-K)		✔	✔	✔	✔
Remote Communications Ready (Modbus + MQTT)		✔	✔	✔	✔

LYNX® Module

LYNX® NXT Module

Voltage: 100-277 VAC

Amperage:

– Maximum per Control Zone: 12 amps (subject to derate)

– Maximum Input: 23 amps

Wattage: Up to 3.3 kW per zone

Temperature Control Range: 0°C to 600°C (32°F to 1112°F)

Sensor Input: RTD, Type-J Thermocouple, Type-K Thermocouple

Communications:

– Modbus RTU over RS-485

– Maximum Length: 30m (98 feet)

Environmental Exposure:

– Ambient Temperature: 0°C to 54°C (32°F to 130°F)

– Relative Humidity: 0 to 80% (non-condensing)

LYNX® OEM

Voltage: 100-277 VAC

Amperage:

– Maximum per Control Zone: 5 amps (subject to derate)

– Maximum Input: 15 amps

Temperature Control Range: 0°C to 593°C (32°F to 1100°F)

Sensor Input: RTD, Type-J Thermocouple,

Type-K Thermocouple

Communications:

– Modbus RTU over RS-485
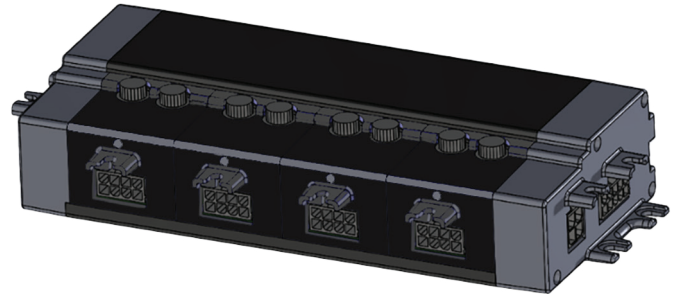
– Maximum Length: 30m (98 feet)

IP Rating: IP20

Environmental Exposure:

– Ambient Temperature: 0°C to 54°C (32°F to 130°F)

– Relative Humidity: 0 to 80% (non-condensing)

Thermostat Detection: Each control element has its own dedicated safety circuit which will cause a safety relay to disconnect heater output when a thermostat opens. The heater output remains disconnected until the thermostat has been closed AND the module receives an external unlatch command.

Alarm Latching: Alarm conditions come with a latching feature. Latched alarms can be cleared via Modbus and the safety relay for thermostat detection must be cleared with 24VDC.

Dry Contact: Each unit has an internal dry contact that triggers on alarms.

LYNX® Din Rail

Temperature Control Range: 0°C to 600°C (32°F to 1112°F)

Sensor Input: RTD, Type-J Thermocouple, Type-K Thermocouple

– Up to 4 temperature inputs

– Up to 2 current transformer inputs

Control Output:
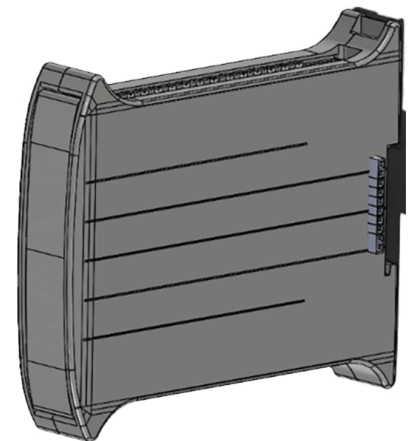
– SSR Driver

– Contactor Driver

Alarm Output:

– Low alarm dry contact

– High alarm dry contact

Communications:

– Modbus RTU over RS-485

Environmental Exposure:

– Ambient Temperature: 0°C to 54°C (32°F to 130°F)

– Relative Humidity: 0 to 80% (non-condensing)