

# Nelson™ Heat Trace Solutions – Now with Advanced Control

## Purpose-Built, Industrial Grade Heat Trace

For decades, Nelson has been a trusted leader in heat trace systems, serving industries from oil & gas to commercial infrastructure. With a broad lineup designed for both hazardous and non-hazardous environments, Nelson heat trace systems deliver unmatched reliability, safety, and performance.

Now featuring the Nelson CM3+ by Emerson, a new high-capacity controller with temperature monitoring and capacity for up to 40 Control Points (CPs), this innovative system sets new standards for efficiency and peace of mind. Built to simplify operations, it automatically checks the health of each heat tracing line, allowing for preventative maintenance and reducing downtime risks. The Nelson CM3+ helps you stay ahead, ensuring continuous system integrity and enhancing overall safety.

*Nelson's CM3+ is specifically designed to outperform in a range of industrial applications, such as:*

- Oil and gas
- Chemical processing
- Power generation
- Water treatment
- Pharmaceutical facilities

## Introducing Our New High-Capacity Controller

The Nelson CM3+ is ideal for freeze protection, process temperature maintenance, and hazardous areas.



### Comprehensive Monitoring

Continuous real-time health checks provide proactive insights to keep systems functioning optimally.



### High Capacity

Capable of managing up to 40 circuits, it's ideal for complex setups across multiple sectors



### Energy Efficiency

Leveraging Plantweb Insight™ Nelson's controllers save energy by operating only when needed, optimizing temperature maintenance across systems.



### Proven Durability

From frigid climates to industrial heat, Nelson solutions stand resilient against harsh conditions.



### Adjustable Temperature Alarms

80 addressable RTDs allowing each circuit to be designed uniquely for adjustable high and low temperature alarms



### Heat tracing

Standard load branch, 30 Amps CB rating  
Optional upgrade 8 load branch, 60 Amps CB rating



### Ingress Protection

NEMA 4, 4X, 12 constructions



### Remote Controls

Movicon™ SCADA based system



### Communications

Modbus® RTU and BACnet communications

NELSON™

For product information:  
[www.nelsonheaters.com](http://www.nelsonheaters.com)  
1.800.621.1506

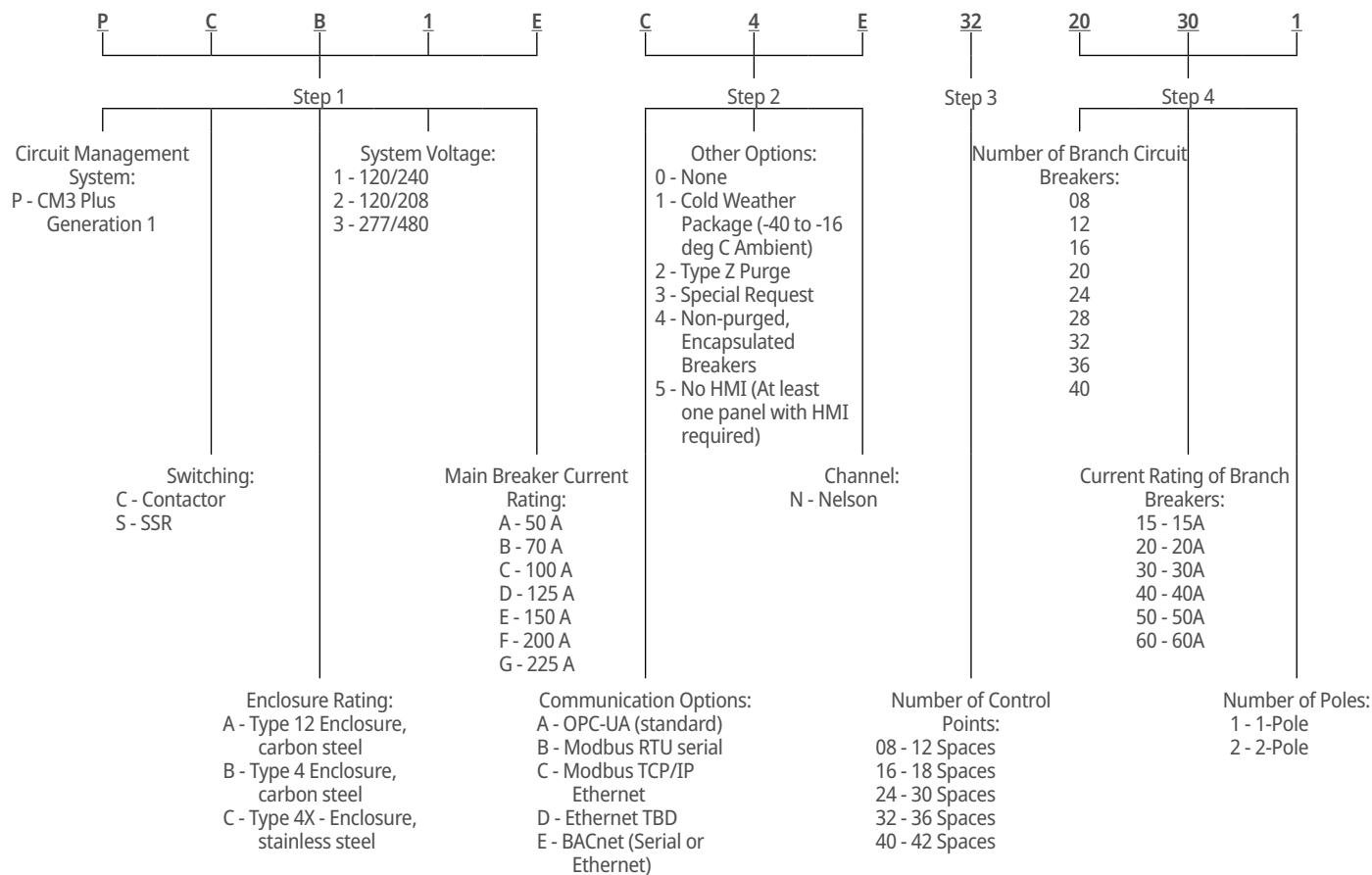
EMERSON™

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## Steps to Creating Catalog Number:

<b>P</b>	<b>C</b>	<b>B</b>	<b>1</b>	<b>E</b>	<b>C</b>	<b>4</b>	<b>E</b>	<b>32</b>	<b>20</b>	<b>30</b>	<b>1</b>
<b>Step 1</b>					<b>Step 2</b>			<b>Step 3</b>	<b>Step 4</b>		

- Step 1: Choose basic system information from numbering guide.
- Step 2: Options: Add option in alphanumeric order as listed in the numbering guide.
- Step 3: Choose the number of control points.
- Step 4: Choose how many and what type of breakers.
- Step 5: If your desired solution can not be created with these standard part numbers, please contact us to build your custom solution.



## Enclosure Sizes Dimensions in Inches (Millimeters)

Note: Height includes 12" feet for floor mount models

Number of Circuits	H	x	W	x	D
8 Circuit			Please contact factory		
16 Circuit			Please contact factory		
24 Circuit			Please contact factory		
32 Circuit	84 (2134)	x	37 (940)	x	24 (610)
40 Circuit	84 (2134)	x	37 (940)	x	24 (610)



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