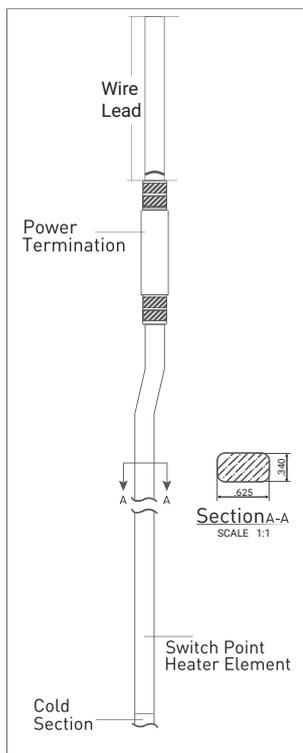


Rail Heating System Kits

PRODUCT OVERVIEW



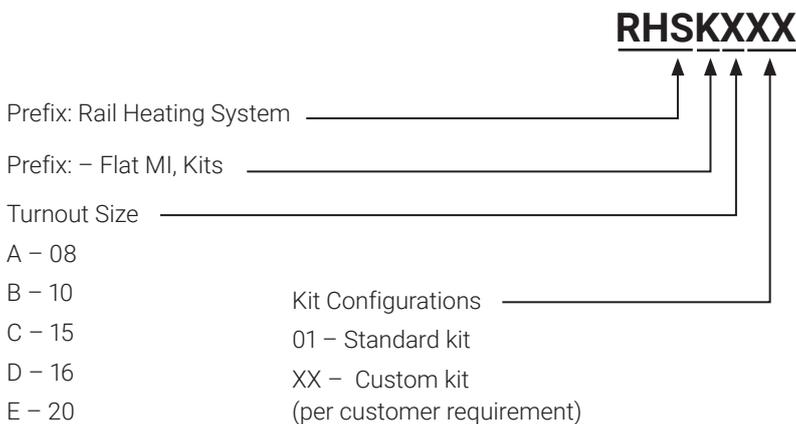
Single-Ended design

nVent RAYCHEM Rail Heating Kits (RHSK) are a turn-key solution for track switch snow melting and de-icing. The kits include our service proven nVent RAYCHEM Mineral Insulated (MI) Switch Point Heaters, Crib Heaters, clips, conduits and distribution box required for a given turnout size.

This turnkey solution makes procurement easy and saves time during the installation. The standard configurations for the kits are shown below. Please contact nVent for any customized configurations.

RAIL HEATING SYSTEM KIT CATALOG NUMBER AND ORDERING INFORMATION

To order a Rail Heating System Kit, it is important to understand the format of our catalog number.



Example: P/N RHSKA01

Rail Heating System, Standard Kit for #8 Turnout. The kit includes the switch point heater(s), crib heaters, clips, conduits and distribution box required for a given turnout size. The heaters in standard kit are single ended with 20 ft 6 AWG lead wires attached. Please refer to RHSP and RHSR datasheets for details.

Table 1: Standard Rail Heating Kits Part Numbers, Descriptions and Contents

Part Number	Description/Contents
RHСКА01	<p>Turnout#8 Rail Heating System Kit</p> <p>(2) Switch Point Heaters 18 ft long (5100 or 8500 W total each)</p> <p>(2) Crib Heaters 8ft long 2100 W total</p> <p>(1) Crib Heater 4ft long 900W total</p> <p>(23) Clips</p> <p>(100') Conduit</p> <p>(1) Distribution Box</p>
RHSKB01	<p>Turnout#10 Rail Heating System Kit</p> <p>(2) Switch Point Heaters 18 ft long (5100 or 8500 W total each)</p> <p>(2) Crib Heaters 8ft long 2100 W total each</p> <p>(1) Crib Heater 4ft long 900W total each</p> <p>(23) Clips</p> <p>(100') Conduit</p> <p>(1) Distribution Box</p>
RHSKC01	<p>Turnout#15 Rail Heating System Kit</p> <p>(2) Switch Point Heaters 26 ft long (7500 or 12500 W total each)</p> <p>(3) Crib Heaters 8ft long 2100 W total each</p> <p>(3) Crib Heaters 4ft long 900W total each</p> <p>(28) Clips</p> <p>(100') Conduit</p> <p>(1) Distribution Box</p>
RHSKD01	<p>Turnout#16 Rail Heating System Kit</p> <p>(2) Switch Point Heaters 34 ft long (9900 or 16500 W total each)</p> <p>(2) Crib Heaters 8ft long 2100 W total each</p> <p>(2) Crib Heaters 4ft long 900W total each</p> <p>(36) Clips</p> <p>(100') Conduit</p> <p>(1) Distribution Box</p>
RHSKE01	<p>Turnout#20 Rail Heating System Kit</p> <p>(2) Switch Point Heaters 26 ft long (7500 or 12500 W total each)</p> <p>(2) Switch Point Heaters 16 ft long (4500 or 7500 W total each)</p> <p>(2) Crib Heaters 8ft long 2100 W total each</p> <p>(3) Crib Heaters 4ft long 900W total each</p> <p>(46) Clips</p> <p>(200') Conduit</p> <p>(2) Distribution Box</p>

Note: All heaters in standard configurations are single-ended with 6 AWG lead wires, 20 ft long, no connectors. The Crib Heaters do not include the protective screen. Please contact nVent for custom configurations.

SPECIFICATIONS (NOMINAL)

Power Output (Switch Point Heaters)	100 - 500 W/ft at 32°F (0°C)
Voltage	480 VAC, 600, 650, 750 VDC
Minimum Installation Temperature	0°F (-18°C)
Heater Dimensions	Width: 0.625 inch (15.88 mm) Thickness: 0.340 inch (8.64 mm)

BENEFITS OF RHSK SYSTEM

- Standard heater kits with all accessories available for the standard switch sizes
- Installation is quick as there is no need to order parts separately
- Resists shock and vibration
- Efficient heat transfer
- 40% minimum power reduction with no sacrifice in performance as compared to tubular heaters
- Ideal for standard or high moisture/corrosive environments
- Minimal expansion under load – less than 1" in 20'
- 50% less wiring, cable accessories and junction boxes as compared to round tubular heaters
- Quick and easy connections and disconnections
- No requirement to remove elements for switch maintenance
- Many combinations of power output, voltages, and lengths
- Reduced track fires due to lower operating temperature as compared to tubular heaters
- Integrated control system equipped with multiple sensor inputs

APPROVALS

nVent RAYCHEM Rail Heating Kits meet the requirements of the U.S. National Electrical Code and the Canadian Electrical Code. The Rail Heating Kits are typically offered as a part of an integrated system with optimized energy efficient design for each rail type and operating conditions. The system includes heater terminations, clips and attachment hardware, fuse boxes and telemetry and controls. For additional information contact your nVent RAYCHEM representative or call (800) 545-6258.

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