

Rail Heating Products & Services

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RWH - SSP

Rail Web Heaters

Application: Switch Rail Snow and Ice Melting

RWH heaters are an integral part of RHPS's transportation snow and ice melting systems. Designed specifically for rail switch heating, RWH heaters withstand the abuse encountered during installation and operation.

The RWH heaters have a flat, flexible heating surface that conforms to the web of the rail, to provide maximum heat transfer from the heater to the rail. This allows RWHC heaters to operate at a lower watt density than traditional calrods thus increasing the heater's life span and lowering the operating costs.

Design . . .

RWH heaters are manufactured to meet the specific user's needs based on the available power supply. A typical design will include a review of the voltage available, rail profile and switch layout to determine the power requirements and mounting limitations for the specific application.



PRODUCT SPECIFICATIONS

Installation . . .

RWH heaters are rugged, yet flexible enough to adapt to the requirements of rail switch installations. RWH's are fastened firmly to the rail with easy to install spring clips. The standard electrical connections are made with simple crimp connectors, isolated and sealed with heat shrink materials making heater-to-heater and heater-to-power connections fast, easy and watertight. A Non-Hardening Heat Transfer Compound is also used when installing RWHC heaters to enhance thermal conductivity between the rail and the heater providing optimum performance and heater life.

Construction . . .

The RWH heater is manufactured to withstand the hostile atmosphere of railway switches. It is composed of a parallel path, heating element that is encapsulated between layers of high temperature fiberglass reinforced silicone rubber. A layer of high temperature silicone foam insulation to promote maximum rail heating efficiency backs the encapsulated heating element. These components are then housed in a durable 304 stainless steel assembly. These assemblies are available in 3" wide (tall) by 8, 10, 12, 18 and 24 inch long models.

