

## DISPATCH SNOW MELT DC CONTROLLER


### Dispatch Controlled Heat

Heat is delivered to each channel, up to 4 channels, via a dispatch controlled signal or manually at the enclosure - up to 24kW per channel.

### Power to Control Multiple Turnouts

The 2 or 4 channel design provides the ability to deliver specific heat required to control multiple turnout sizes.

### **Dramatic Energy Savings with IWS**

 Integration of the Intelligent Weather station will produce up to 83% energy savings over a dispatch only system. Easy attachment

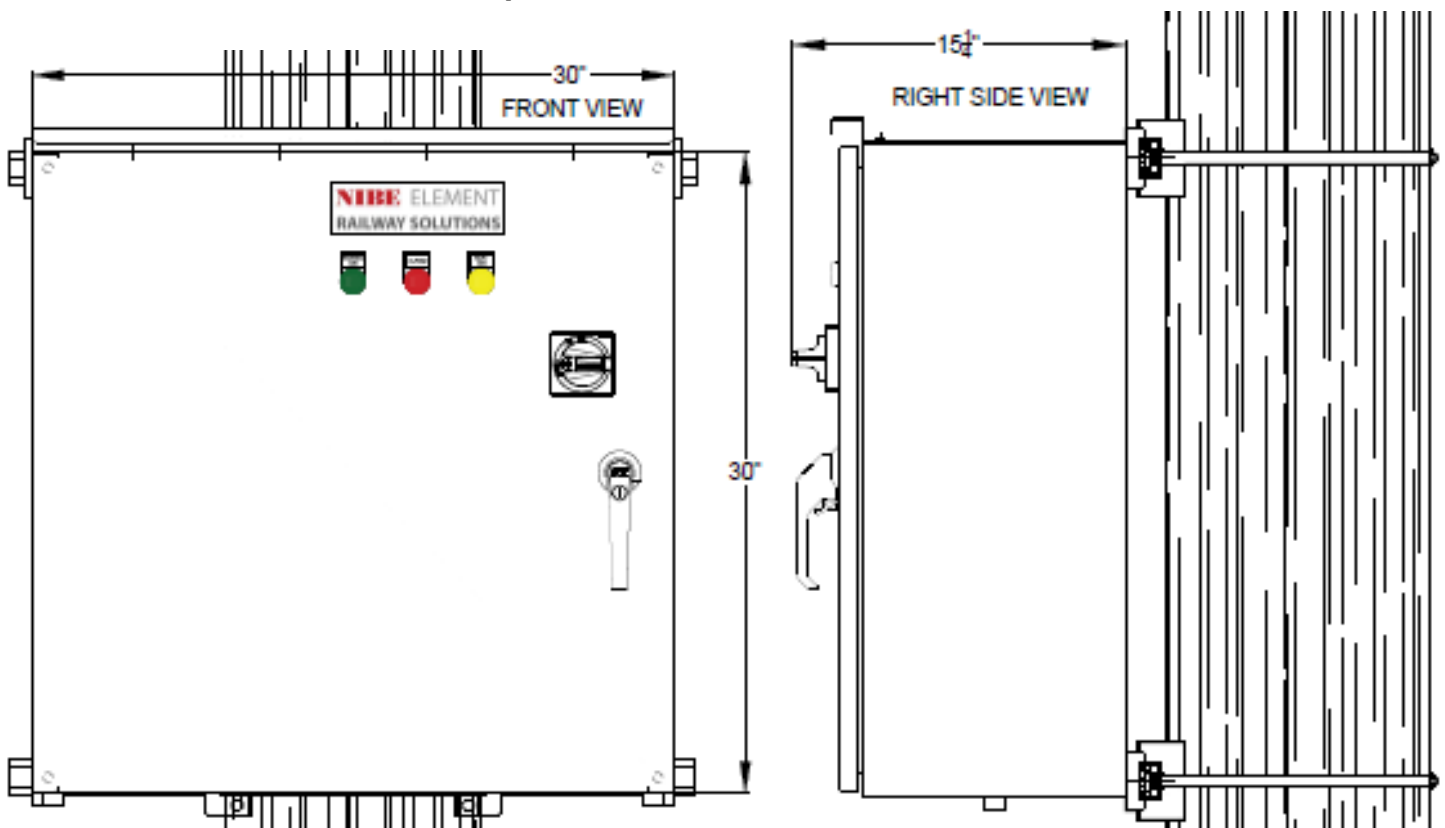
An Integrated control system that assures reliable railway traffic through switch heating & running rail heating during icing and/or snow conditions.

To make the system easy to maintain, errors that might occur (e.g. heating channel failure, main power loss, etc); is alarmed back to Dispatch and is visibly indicated at the controller. This makes it possible to respond proactively.

A 125-amp main breaker is put in place to provide additional protection and ease of safe manual operation.

Several fail-safes are incorporated to secure the main purpose – keep the switch points free of snow...

Dispatch Snow Melt DC Controller



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## Dispatch Snow Melt DC Controller

The Dispatch Snow Melt Controller enclosure manages control for switch heating and running rail heating. The cabinet is designed for the railway environment and contains all necessary electrical components to source power and protect the system.

The list below details some of the functional capability of the Dispatch Snow Melt DC Controller system:

### **Specifications:**

- Supply power – 600-825/125A/DC
- Enclosure NEMA 4 protection with door interlock disconnect switch that accepts standard Railway padlocks
- Temperature range:  
-20°C - 60°C (-4°F - 140°F)
- Heat Channels 825VDC/32A up to 24kW each
- Programmable Logic Controller (PLC) system
- Optically enhanced LED enclosure mounted indicators.
  - GREEN = Power On
  - RED = Alarm
  - YELLOW = Heat On.
- Internal LED Enclosure light

### **Switch Heating Control based on:**

- Auto/Manual selector switch
- Dispatch signal
- Intelligent Weather Station (IWS) optional add on
  - Measured weather inputs
  - Received weather forecast

### **Communication:**

- Heat on/off communication with Dispatch system
- Heater error alarm via local lights or signal to Dispatch

