RACO Brake Housing Heater

- Self Regulated Heat Source
- Simple in Design
- Low Power Consumption
- 115V AC Supply
- Low Cost Solution

ACTUATOR BRAKE HOUSING HEATER

Introduction

Under very cold or high humidity environmental conditions heating of actuator components may be required to avoid the formation of water condensation on electrical components or the risk of freezing of movable parts. The solution described below provides an easy and inexpensive way to heat trace components and in-housed compartments.

Electrical Design

The crosslinked conductive polymer core automatically adjusts heat output at each point along the cable, with no need for a thermostat. With its self-regulating design, possible overheating of actuator components is eliminated. Unlike conventional heating cable the self-regulating heating cable, features parallel circuitry. The two conductors acting as bus wires forming a parallel circuit. This means it can be cut at any point along its length without interrupting the heating-cable circuit.

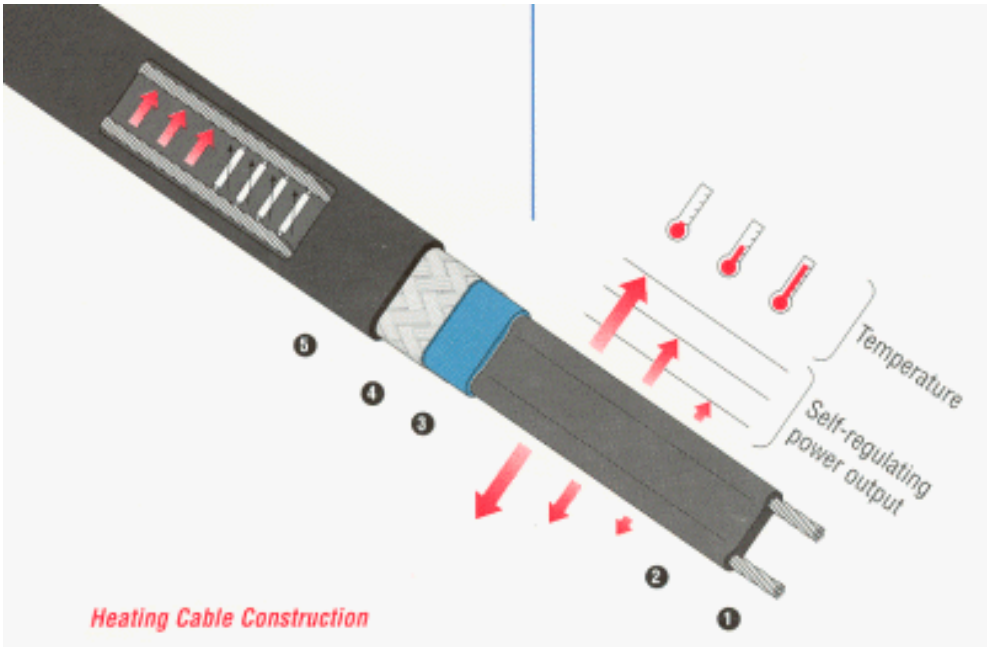
Strip Heater Applications

If the motor is equipped with a parking or stand still brake, the motor heating circuit can be supplemented by the self regulated strip heater located in the brake housing. Based on the available space and the heat requirement a typical 3W/foot or up to 10W/foot heating tape can be installed around the disk brake.

The self-regulating strip heater is ideal as well for the D or E box which houses the limit switches and or other electric components.

Technical Data

Supply Voltage: 110 to 130VAC
Minimum Bend Radius: 0.5’
Minimum Temperature: -40°F
Maximum Temperature: 185ºF



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