



Description:

The Model 2500-575 Heated Thermal Cover is designed to prevent accumulations of snow and ice on top of a Type III bearing or wheel scanner during extended periods of low ambient temperatures in inclement weather. **The covers are intended to be used seasonally!** As such they should be removed and stored in the signal bungalow when sustained ambient temperatures are above 40° F. A warning label is applied to this surface to prevent accidental human contact and potential injury.

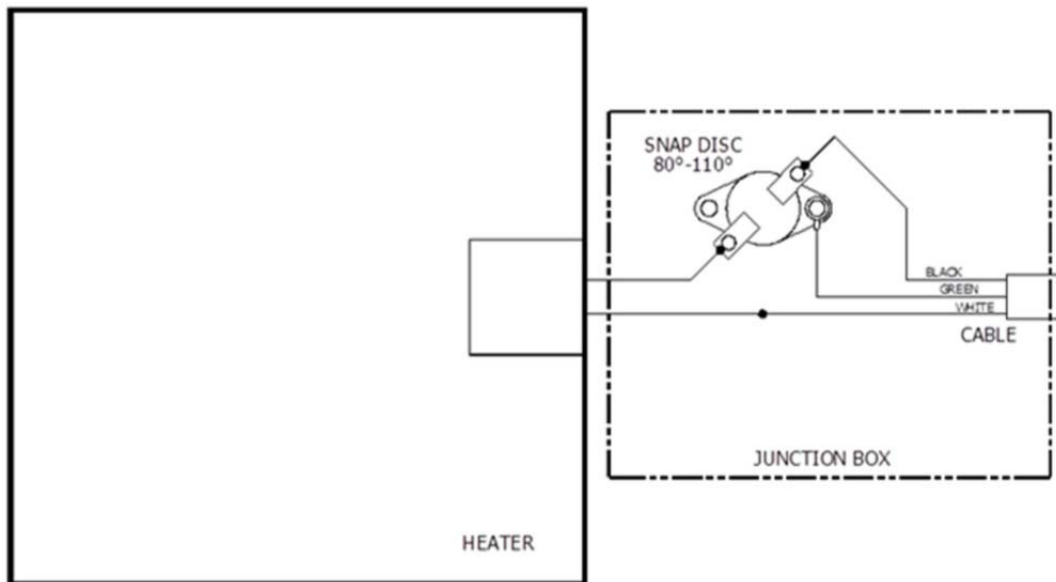
Each cover is fabricated from .090 aluminum alloy (5052-H32) with welded seams at each corner. Each cover has an over temperature safety device installed on the back panel. The device is intended to regulate the heat on the top surface of the cover to a maximum of 220 degrees F.

A flexible silicone heater pad covers the inside top surface of the cover. The heater pad is installed such that the entire top surface and approximately 50% of the front panel receive direct radiation. The heater is protected from abrasion against the scanner casting by the application of a layer of Thermo-Tech insulation.

Expected Cover Temperature and Cycle Times Relative to Ambient:

Ambient Temp	Max Cover Temp	Snap Disc Open	Snap Disc Close	Time for cycle
-40° F	177° F			
-20° F	184° F			
0° F	203° F			
20° F	218° F			
32° F	220° F	220° F	99° F	4 minutes
40° F	221° F	221° F	95° F	5 minutes
60° F	215° F	215° F	90° F	8 minutes

Schematic: 2500-575 Heated Thermal Cover:



General Specifications:

Voltage Input	115-130 VAC
Current Draw	2.8-3.2 Amps
Foil Heater	365W @ 120 VAC, 14.40"L x 5.25"W
Power Cord	100' length, Super-Vutron 14/3, Rated 600V, -40°F to + 160°F
Dimensions	17.00"L x 6.00"W x 6.00"H
Weight	13.00 lbs