Cool Touch™ 050 Quick Guide

Product Description

The Cool Touch™ heaters minimize the surface temperature of the heater and helps protect people and product from hot surfaces. This very efficient design reduces heat losses

Operation

To operate this heater, ensure air is flowing and energize the main supply disconnect. Set the controlling device to the desired temperature.

During initial heating, it is recommended to slowly ramp up the process set point and inspect the heating system for problems

DO NOT operate the heater at voltages higher than the recommended use

DO NOT operate the heater at flow rates below the minimum flow range (1.0 SCFM)—reduced flow can shorten heater life

Supply clean, dry air to the heater at a max of 120 psi

Electrical Information

Tutco-Farnam Custom Products strongly recommends the use of an electrical interlock with the air source—this helps ensure that the heater will not run without air.

Where thermocouple extension wire is required between the heater and control panel, verify that it is connected with proper polarity. Failure to do so may result in an uncontrolled heater. **For Standard type K thermocouple: Yellow + and Red -**

CAUTION

Tutco-Farnam Custom Products recommends installation be performed by qualified personnel familiar with the National Electrical Code and all local codes and standards. It is the responsibility of the installer to verify the safety and suitability of the installation

Failure to follow Tutco-Farnam's recommendations could result in premature failure, serious equipment damage, injury or death

WARNING

DO NOT mount heaters in an atmosphere containing combustible gases, vapors, dusts or fibers

Hazardous voltages are present in this equipment. Disconnect power before working on this heater

Typical causes for uneven airflow are structural components blocking air or mounting the heater too close to elbows, transitions or the fan/blower

TUTCO FARNAM CUSTOM PRODUCTS
Innovative Heat Solutions

Dimensions

Please visit **www.farnam-custom.com** for detailed drawings

Troubleshooting your CT050

If reduced heat output is suspected…

1. Disconnect power to the heater
2. Check the resistance across the heater leads and ground—if there is a low resistance measured it indicates that the coil has shorted to ground
3. Check the resistance across the heater leads—If there is a very high/infinite resistance it indicates the heating element has a break in it
4. Contact Farnam Custom Products to replace the heater

Maintaining your CT050

Periodically check all electrical connections, including field and factory-made connections for tightness and all wiring for deterioration

DO NOT continue using a heater if there are signs of damage. Consult Farnam Custom Products

CAUTION: Troubleshooting and repairs should only be attempted by qualified maintenance personnel