

BriskHeat[®]

Corporation

1055 Gibbard Avenue · Columbus, Ohio 43201 USA

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CTL Lead and End Termination Instructions

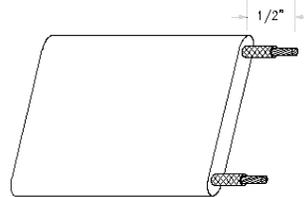
Safety Information

Your CTL Heater is designed with function, reliability, and safety in mind. Please read all instructions before installing. It is the user's responsibility to install it in conformance with local electrical codes.

Lead Termination:

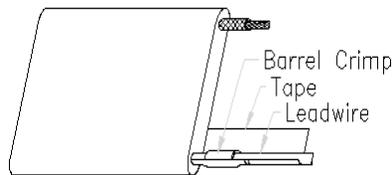
Step 1: Cut the CTL tape to the desired length.

Step 2: Remove approximately $\frac{1}{4}$ " (6mm) of extruded rubber from the end to which the power is to be applied. Stripping the extruded rubber will expose approximately $\frac{1}{2}$ " (13 mm) length of the heating elements as shown in Drawing A.



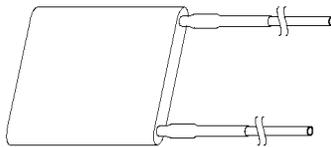
Drawing A

Step 3: Crimp the high temperature lead-wire to one of the heating elements as shown in Drawing B. Cover the barrel and exposed heating element with a small piece of the silicone rubber tape.



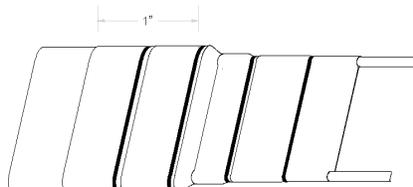
Drawing B

Step 4: Repeat Step 3 with the other heating element. The result should be similar to Drawing C.



Drawing C

Step 5: Start the silicone rubber tape 1" (25mm) from the edge of the silicone rubber and wrap toward the barrels. Use the white line marked on the middle of the tape as a guideline for overlapping the silicone rubber tape. For example, the edge of the second wrap will follow the white line on the first wrap. The silicone rubber tape must be pulled taut during the wrapping process. Continue wrapping the silicone rubber tape until the barrels are covered. There must be no gaps or wrinkles along the edge of the wraps or in the area between the lead wires. The finished product will look similar to the Drawing D.



Drawing D

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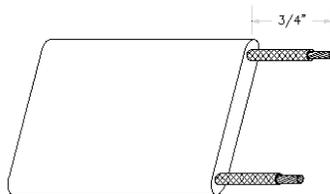
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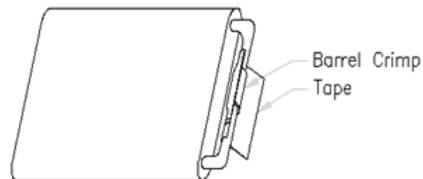
End Terminations:

Step 1: Strip approximately 3/8" (10mm) of the end to be terminated. Approximately 3/4" (19mm) length of the heating element should be exposed as shown in Drawing E.



Drawing E

Step 2: Connect the two wires together as shown in Drawing F.



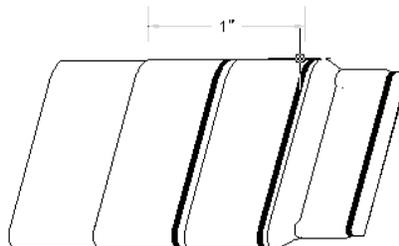
Drawing F

Step 3: Use a small piece of the silicone rubber tape to cover the barrel as shown in Drawing G.



Drawing G

Step 4: Start to wrap the silicone rubber tape 1" (25mm) from the edge of the silicone rubber. Use the white line marked on the middle of the tape as a guideline for overlapping the silicone rubber tape. For example, the edge of the second wrap will follow the white line on the first wrap. The silicone rubber must be pulled taut during the wrapping process. Continue wrapping the silicone rubber tape until the barrels are covered. There must be no gaps or wrinkles along the edge of the wrap. The finished product will look similar to the Drawing H. The silicone rubber tape will thermally seal when the tape is energized. The silicone rubber tape has a maximum exposure temperature rating of 232°C (450°F).



Drawing H