

Thermistor Replacement HPR/HSD Transformer

Field Service Bulletin

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Hypertherm®



DANGER
ELECTRICAL SHOCK CAN KILL

Turn OFF all power to the plasma system. In the U.S., use a “lock-out/tag-out” procedure until installation or repair is complete. In other countries, follow appropriate national or local safety procedures. See the *Safety Section* of the system Manual for more safety precautions.

Introduction

This field service bulletin describes how to replace the thermistor on the transformer in an HPR or HSD power supply.

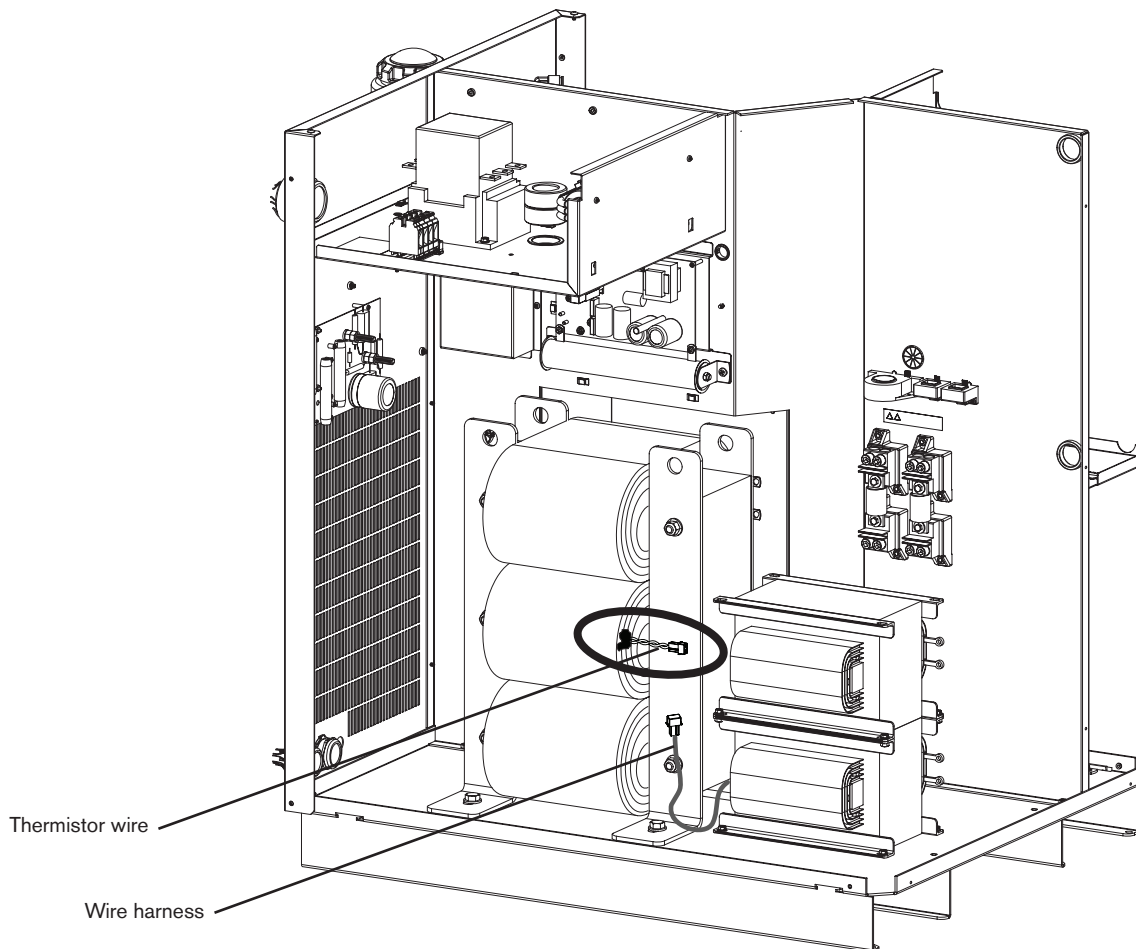
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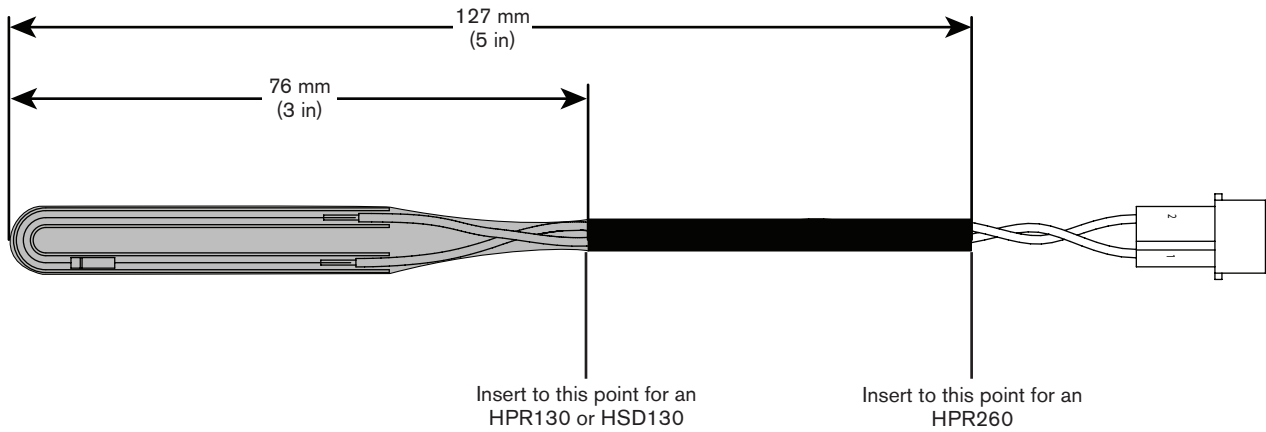
Part number	Description	Quantity
229211	Thermistor assembly	1

HPR/HSD THERMISTOR REPLACEMENT

Disconnect the old thermistor

1. Locate the thermistor on the main transformer. The location will be in the same general area for an HPR130, HPR260, and HSD130 (see figure below).
2. Disconnect the wire harness from the thermistor at the J11 connector.
3. The new thermistor must be installed near the same location, and at the same depth as the old thermistor.
4. The old thermistor does not need to be removed.





Install the new thermistor

1. Carefully insert the new thermistor as close to the location of the old thermistor as possible. It should slide into place without the use of force. Use the figure above as a guide for depth.
2. Apply RTV sealant around the thermistor wire, and allow it to cure (Hypertherm uses GE RTV 133 black). See the instructions on the RTV sealant to see how long it takes to cure. Do not use the power supply until the RTV sealant is cured.
3. Connect the thermistor wire to the wire harness, and the installation is complete.

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Hypertherm[®]

Hypertherm, Inc.
Hanover, NH 03755 USA
603-643-3441 Tel

Hypertherm (S) Pte Ltd.
417847, Republic of Singapore
65 6 841 2489 Tel

**Hypertherm (Shanghai)
Trading Co., Ltd.**
PR China 200052
86-21 5258 3330 /1 Tel

Hypertherm Europe B.V.
4704 SE Roosendaal, Nederland
31 165 596907 Tel

HYPERTHERM BRASIL LTDA.
Guarulhos, SP - Brasil
55 11 6409 2636 Tel

www.hypertherm.com