

## Technical Data

Supply Voltage:	Internal 12 V DC or external 12 to 18 V DC
Charging Voltage:	18 V DC (From universal input/18 V DC output unit supplied)
Battery Life:	80 cycles per charge
Dimensions:	178 x 102 x 106 mm
Chamber Length:	74 mm (internal)
Weight:	2.5 kg
Operating Temp:	-10 to +40 °C
Storage Temp:	-40 to +60 °C
Heating Temp:	160 °C (Factory settings available from 100 to 180 °C)
Heating Time:	75 secs (Factory settings available from 45 to 180 secs)

## Service Information

The **HSO II** is designed and manufactured in England by:  
TRITEC Developments Ltd  
Bold Business Centre  
Bold Lane  
Sutton  
St Helens WA9 4TX

Heating cycle time and temperature are adjustable only by return to TRITEC Developments Ltd or an approved service outlet. The **HSO II** contains no user serviceable parts. For further information, contact TRITEC Developments Ltd, or your distributor at:

# HSO II Stand-alone Heatshrink Oven

## User Manual

09/00013 Release 1  
2 December 1993



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## The HSO II

This product provides a standalone heating chamber with its own temperature control and timer, and its own internal supply.


The HSO II heatshrink oven is specifically designed for the application of approved heatshrink sleeves to bare optical fibre after a fusion splice joint has been made. The manufacturers accept no responsibility for malfunction of the unit if it is used for any other purpose. A list of approved heatshrink sleeves is obtainable from TRITEC Developments Ltd on request. Furthermore the manufacturers accept no liability for any damage caused by use of this product.



## Check List



What you should receive...

- One HSO II Heatshrink Oven
- One universal Charger/Supply Unit (and mains lead).
- One User Manual (you are reading it!).

## Applying Heatshrink Sleeves

Position the heatshrink sleeve centrally over the splice you wish to protect, and place it in the heating chamber. The fibre may be clamped at either side of the heating chamber. Close the heating chamber lid, and press the  button to begin the heating cycle.

If the  indicator should flash, this indicates a low battery condition, and the supplied charger/supply unit (see **Charging the HSO II** below) should be connected to continue. When the charger/supply unit is connected, the  indicator should light continuously.

The  indicator will light continuously to indicate that the chamber is heating. After the heating cycle is complete, a repeated audible warning sounds and the  indicator flashes.


Open the chamber lid at this stage to aid cooling, but do not touch the heating element or the heatshrink sleeve during the heating or cooling cycles, as the chamber may still be hot, and the heatshrink sleeve may not yet have set.


When the heating chamber is cool, the repeated audible warning sounds again and the unit switches itself off. Release the fibres from the clamps and lift the protected splice from the chamber.

*Tip:-* Occasionally it may be difficult to remove the sleeve from the oven - try pushing it gently backwards and forwards in the chamber with a finger to free it.

The unit may be turned off manually during the heating or cooling cycle by pressing the  button.

## Charging the HSO II

The HSO II warns of a low battery condition by flashing the  indicator next to the  switch on the top plate.

The unit must be charged via the external supply socket situated on the top plate. The voltage supplied must be 18V DC for the battery to charge. The  indicator will light continuously when the charger is correctly connected.

Full battery charge is obtained within twelve hours by using the approved charger/supply unit supplied by TRITEC Developments Ltd. This charger is designed for indoor use in charging and supplying the HSO II (and/or FASE II), and not for any other usage.

If you are using the HSO II as part of the FASEKIT, both units may be connected to the charger simultaneously, by utilising the Y-cord supplied.