

THERMOSALD

UPSCR10030-M-V3.9
UPSCR10045 M-V3.9
UPSCR10060 M-V3.9
UPSCR10090 M-V3.9

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UPDATE (25/08/2000)

NOTE: For special applications with quick heat-sealer changers, the new AUTOMATIC COLD CALIBRATION function has been implemented in order to correct dimensional errors or wrong strip installation. From software version V3.9 onwards, use the new function or the standard procedure already described to set the temperature controller.

3 PUTTING THE EQUIPMENT INTO SERVICE BY USING THE NEW FUNCTION

3.1 COMMISSIONING THE EQUIPMENT BY EXAMINING THE HEAT-SEALER (MANUFACTURER)

- THE MACHINE MUST BE AT AMBIENT TEMPERATURE
- PRESS BUTTONS "DOWN"+"RESET" AND, AT THE SAME TIME, ACTIVATE THE TEMPERATURE CONTROLLER (4 blocks appear on the display)
- RELEASE BUTTONS "DOWN"+"RESET" ("FDIP" flashes on the display)
- SET DIP SWITCHES SW+/SW- ACCORDING TO THE RATED VOLTAGE OF THE TRANSFORMER (TRANSFORMER'S RATED VOLTAGE = STRIP R x TEMPERATURE CONTROLLER'S RATED CURRENT I - ALSO SEE CHAPTER 2.4)
- PRESS THE RESET BUTTON ("FBAL" flashes on the display)
- COLD-BALANCE BY TURNING THE "BALANCING" TRIMMER (the red and green Balancing Leds must come on at the same time)
- PRESS THE RESET BUTTON (5 000 appears on the display)
- PRESS THE "UP" BUTTON TO ENTER A TEMPORARY HEATING FACTOR = 0.1
- PRESS THE RESET BUTTON
- KEEP "PS UP" + "PS RESET" PRESSED FOR 6 SECONDS TO PERFORM THE HOT CALIBRATION PROCEDURE, EXAMINE THE HEAT-SEALER AND DETERMINE THE SWITCH SW1/IREAD SETTINGS (for further details, refer to paragraph 3.1 – Hot calibration)
- WRITE THE MACHINE DATA CHART – ANNEX D

3.2 GENERAL SET-UP PROCEDURES (MANUFACTURER / USER)

- THE MACHINE MUST BE AT AMBIENT TEMPERATURE
- PRESS THE "DOWN"+"RESET" BUTTONS AND, AT THE SAME TIME, TURN ON THE TEMPERATURE CONTROLLER** (4 blocks appear on the display)
- RELEASE THE "DOWN"+"RESET" BUTTONS ("FDIP" flashes on the display)
- SET THE SW+/SW-/SW1/IREAD DIP SWITCHES** (as shown in the ANNEX D chart regarding first-time startup)
- PRESS THE RESET BUTTON ("FBAL" flashes on the display)
- COLD-BALANCE BY TURNING THE "BALANCING" TRIMMER** (the red and green Balancing Leds should come on at the same time)
- PRESS "PS RESET" (5000 appears on the display)
- PRESS THE UP/DOWN BUTTONS TO ENTER A SUITABLE HEATING FACTOR** (as shown in the ANNEX D chart regarding first-time startup)
- PRESS "PS RESET".
- KEEP THE "DOWN" BUTTON PRESSED FOR 6 SECONDS SO AS TO PERFORM THE "AUTOMATIC COLD CALIBRATION" PROCEDURE** (this allows the balance data to be automatically acquired so that the user can perform the next automatic hot calibration procedure).

3.3 CHANGING THE STRIP WITH THE MACHINE COLD (USER)

- THE MACHINE SHOULD BE AT AMBIENT TEMPERATURE
- INSTALL A NEW STRIP**
- KEEP THE "DOWN" BUTTON PRESSED FOR 6 SECONDS AND PERFORM THE "AUTOMATIC COLD CALIBRATION" PROCEDURE** (This allows the new strip to be automatically set so as to avoid dimensional errors with the strip, coppering or seizure. For better accuracy, it is advisable to install burnished strips. For further information, contact our Engineering Dept.).

3.4 CHANGING THE STRIP WITH THE MACHINE HOT (USER)

- THE MACHINE MAY BE HOT
- INSTALL A NEW STRIP**
- KEEP THE RESET BUTTON PRESSED FOR 6 SECONDS SO AS TO PERFORM THE "AUTOMATIC HOT CALIBRATION" PROCEDURE** (this allows the new strip to be automatically set with the machine hot. This procedure is less accurate than the previous one but is acceptable for most applications and is extremely convenient as it can be performed with the machine hot. In order to further increase the sealing system accuracy, install burnished strips. If non-burnished strips are used, it is advisable to perform the procedure at least twice. For further information, contact our Engineering Dept.).

3.5 ENABLING THE ENERGY CONTROL (TO BE PERFORMED ON ALL MACHINES HANDLING SLIGHTLY FLAMMABLE MATERIAL. THIS INCREASES REDUNDANCY AND SELF-CONTROL THEREBY MAKING THE SYSTEM SAFER)

- ❑ ENTER THE MACHINE DATA
 - F = 1 TO ENABLE THE CONTROL FOR THE PRE-HEATING PROCEDURE,
 - F = 2 TO ENABLE THE CONTROL FOR THE HEAT-SEALING PROCEDURE,
 - F = 3 TO ENABLE THE CONTROL FOR THE PRE-HEATING + HEAT-SEALING PROCEDURE,
- ❑ PREHEAT FOR 10 SECONDS
- ❑ START THE MACHINE RUNNING WITH THE BAGS LOADED (each time the pre-heating and sealing temperatures are changed, an automatic data acquisition procedure needs to be performed).

5 - TROUBLE-SHOOTING GUIDE AND ADDITIONAL MESSAGES

FAULT	CAUSES	REMEDY
F61	Automatic cold calibration with the Balancing Trimmer turned too much towards the red segment	Cool down the machine General reset procedure + Trimmer balancing+ automatic cold calibration procedure
F62	Automatic cold calibration with machine hot or Balancing Trimmer turned too much towards the green segment	Cool the machine down to ambient temperature or Perform a general reset + trimmer balancing + automatic cold calibration procedure
F88	No signal from the strip	Check the strip being handled by performing, if necessary, an automatic hot calibration procedure and contact our Engineering Department.