

Operating Manual

Black&White|4

Black&White|4c

CH



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1 Publishing Details

Original Operating Manual

Model series: Black&White4 / Black&White4 compact

Type: BW4(c)-CH

Manufacturer

Thermoplan AG

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2 Introduction

2.1 Intended use

The cup heater is only suitable for heating up beverage cups.
The cup heater is suitable for commercial use in catering sector, canteens, offices, etc.

2.2 Purpose

This operating manual supports the user in his daily work and it is an integral component of the cup heater.

- ▶ Carefully read the operating manual all the way through before using the cup heater.
- ▶ Keep the operating manual in a safe place and near the cup heater.
- ▶ The user must have read and understood the work steps and instructions, particularly the points concerning safety and hygiene.

2.3 Navigation

This document contains the following navigation aids in order to find specific information quickly:

- Table of Contents
- Cross-references within the texts
- Symbols and emphasized text

2.4 Terms used

The following terms are used in this operating manual:

Term	Explanation
Cup heater	Appliance for preheating coffee cups or teacups
Users	Persons who operate the cup heater (heating up cups) and carry out simple maintenance tasks (e.g. cleaning)

2.5 Symbols and emphasized text

Symbol	Name	Function
▶	Action	When the user must execute a work step, this is marked with an action. For example: ▶ Activate main switch.
▶ ⇒	Reaction	This emphasis is used to indicate a reaction to a prior action. For example: ▶ Activate main switch. ⇒ Cup heater switches on.
[Scope of delivery ▶ 9]	Cross-reference	This emphasis is used to refer to a page within this document. Cross-references are linked and can be executed with a mouse click.

3 Safety

3.1 General safety instructions

3.1.1 Using the cup heater

- Use the cup heater only if it functions perfectly and there is no sign of damage. If there is a fault or damage, notify your service partner immediately.
- Penetration of the cup heater with an object or part of the body is prohibited.
- Modification or manipulation of the cup heater is prohibited.

3.1.2 Preconditions for using the cup heater

Service partner

The service partner is Thermoplan AG's local representative. If there queries or problems please contact your service partner. The service partner will, depending on the situation dispatch qualified technicians.

Qualified technicians

Qualified technicians are trained and certified specialist that sell and maintain Thermoplan products. They have knowledge and practical experience with the cup heater, particularly concerning safety and hygiene.

Users

Users are employees who have been instructed and trained in the use of the cup heater (they have read the operating manual) and can operate the cup heater and carry out the maintenance steps according to the operating manual.

Children

This cup heater can be used by children over 8 years of age as well as by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been supervised or instructed concerning the use of the cup heater and understand the resulting hazards. Children must not play with the cup heater. Cleaning and maintenance must not be performed by children without supervision.

3.1.3 Installation and commissioning

- The cup heater may only be set up, installed or repositioned by qualified technicians.

3.1.4 Maintenance

- Perform all necessary cleaning tasks on a regular basis and in accordance with the description in this manual.

3.1.5 Dismantling and disposal

- The cup heater may only be dismantled by qualified technicians. The same applies to the disposal of the cup heater and its packaging.

3.2 Safety warnings

3.2.1 Structure

Sample safety notice

1

2

3



Danger of poisoning through cleaning agents
Minor to moderate risk of poisoning through ingestion of cleaning agents.

- ▶ Do not consume cleaning agents.
- ▶ After using cleaning agents, wash your hands.
- ▶ Keep unauthorised people away from cleaning agents.

4

5

- 1

Source of danger
- 2

Signal word
- 3

Hazards
- 4

Risk prevention
- 5

Safety sign

3.2.2 Conventions

Hazards for personnel

 **DANGER**



Danger

The safety notice with the signal word "Danger" indicates a dangerous situation which, if it is not avoided, will result in death or serious injury.

 **WARNING**



Possible, imminent danger

Indicates a possible threatening danger that can result in severe bodily injury or death.

 **CAUTION**



Possible danger

Indicates a possible threatening danger that can result in minor bodily injury.

Material damage

NOTICE**Product damage**

Indicates a situation, which can damage the cup heater or its function if the instructions are not complied with.

3.3 General safety instructions for this cup heater

3.3.1 Personal injury – WARNING:

⚠ WARNING**Electric shock**

Contact with electrical components during operation of the cup heater can result in death or serious injury.



- ▶ Keep the cup heater dry.
- ▶ Never immerse the cup heater, cable or plug in water or other liquids.
- ▶ If the cable or plug is damaged, stop operating the cup heater immediately.
- ▶ Keep the cable away from hot machine parts. It is prohibited to use the cup heater near open fire.
- ▶ Protect the cable from sharp edges.
- ▶ Only allow qualified technicians to install, move, remove, repair or service the cup heater.
- ▶ Keep the cup heater and the connecting cable out of reach of children.

3.3.2 Personal injury – CAUTION:

⚠ CAUTION**Danger of scalding injuries**

Danger of scalding injuries of minor or medium severity through contact with hot plates.

- ▶ Avoid direct physical contact with hot plates.

3.3.3 Material damage

NOTICE

Danger of material damage

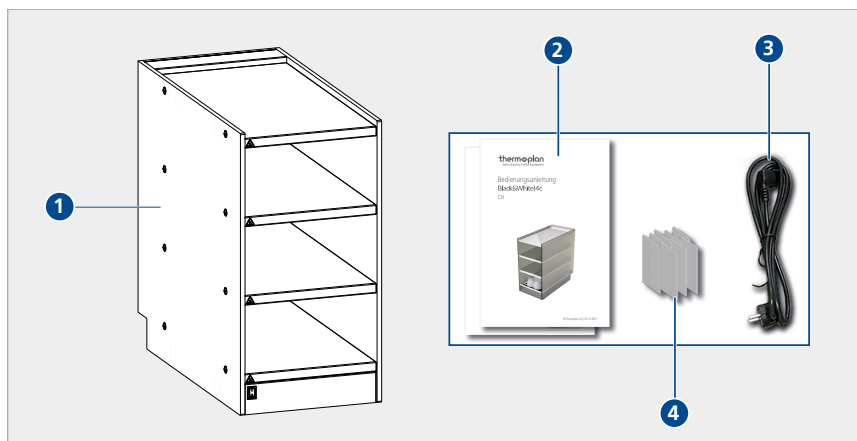
Incorrect use of the cup heater or the wrong, faulty spare parts can result in material damage.



- ▶ Check whether the cup heater to be installed complies with the applicable federal, national, or municipal installation laws.
 - ▶ The cup heater is designed only for indoor use.
 - ▶ Clean the cup heater and disconnect it from the mains supply before longer periods of non-use.
 - ▶ Only operate the cup heater at an ambient temperature of 16°C to 32°C.
 - ▶ Set up the cup heater on a flat, horizontal, stable and heat-resistant surface.
 - ▶ Do not position the cup heater where a water jet could be used for cleaning.
 - ▶ Store cup heater in a dust free and dry environment, always at a temperature above 0 °C.
 - ▶ The upper edge of the cup heater must be at least 1.5 m above the floor.
 - ▶ The cup heater is solely designed for warming up coffee cups or teacups. Never place other objects onto the heating plates.
-

4 Overview

4.1 Scope of delivery



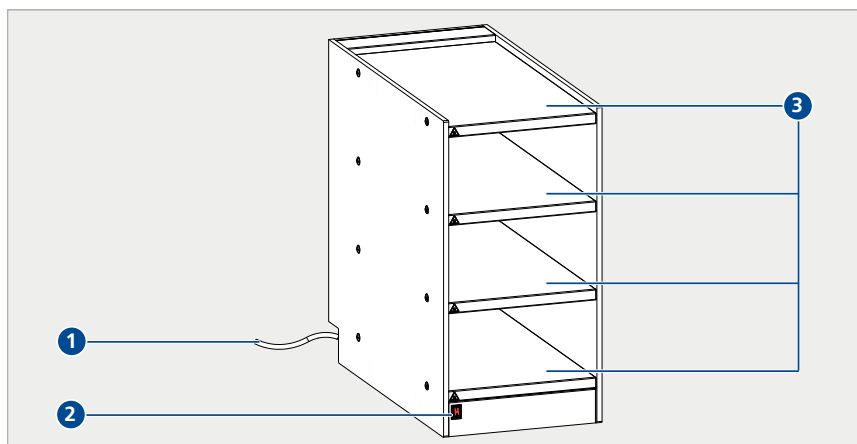
1 Cup heater

2 Operating manual

3 Mains cable

4 Velcro fasteners (8)

4.2 Cup heater

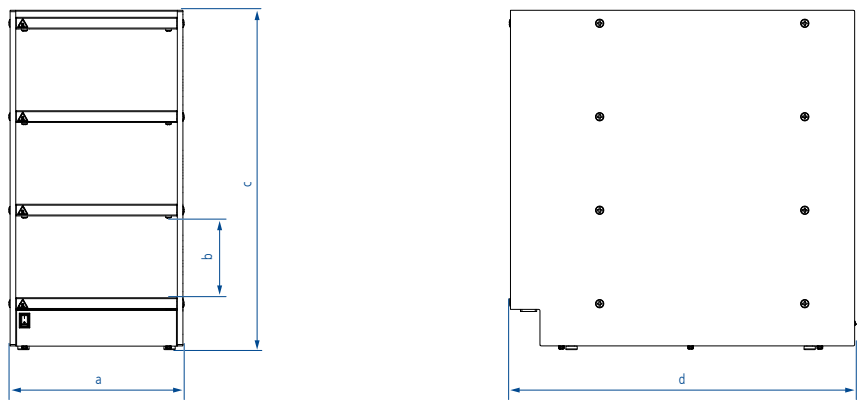


1 Mains cable

2 Main switch

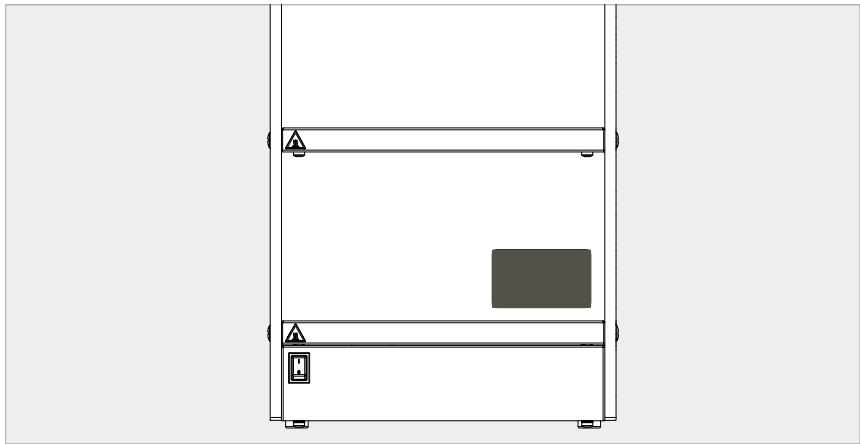
3 Heating plates

4.3 Dimensions



4.4 Type plate

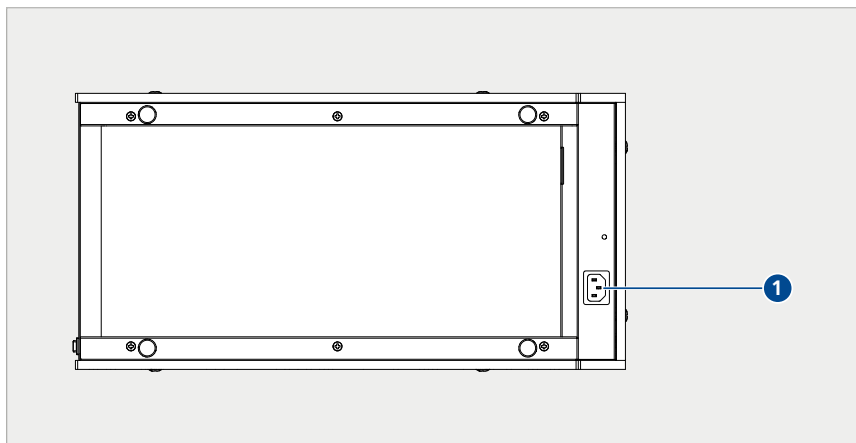
The type plate is at the rear panel between the lowest two heating plates. It contains the performance data of the cup heater.



4.5 Capacity information

Capacity	Storage of 100 to 150 cups
Electrical connection/power	220–240 VAC / 50/60 Hz / 100-120 W
Dimensions (W/D/H)	246 x 490 x 483 mm
Weight	19 kg

4.6 Connections

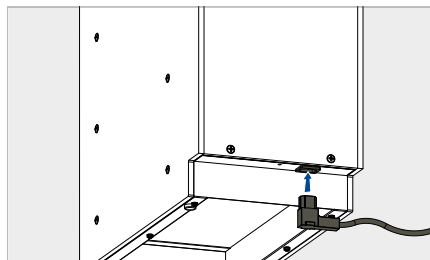


1 Mains connection (view from below)

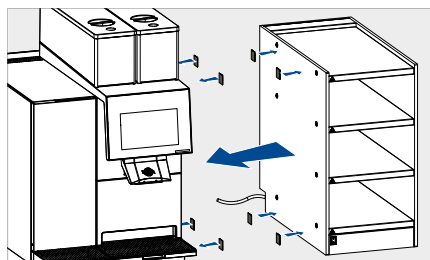
5 Installation

5.1 Positioning and switching on the cup heater

- ▶ Plug the power cable into the cup heater.



- ▶ Place the cup heater in a free-standing position or attach it to the coffee machine using the Velcro fasteners.
 - ⇒ Observe [\[General safety instructions for this cup heater. ▶ 7\]](#)

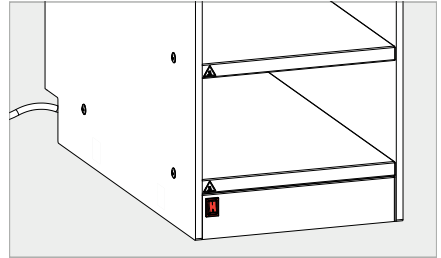


- ▶ Connect power cable to the power supply.

6 Commissioning

6.1 Switching cup heater on and off

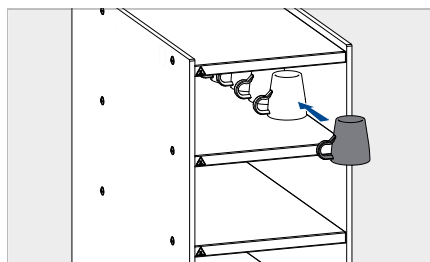
- Activate main switch.



7 Operation

7.1 Positioning cups

- Place cups anywhere on the heating plates.



8 Cleaning

Cleaning accessories required:

- Warm soap solution
- Non-abrasive cloth

CAUTION

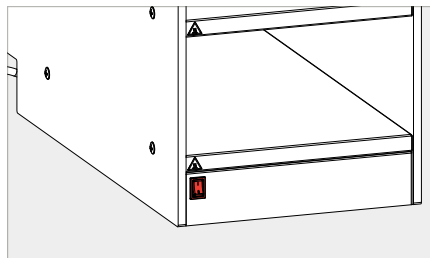


Danger of scalding injuries by hot surfaces

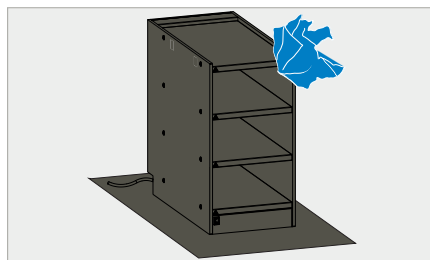
Minor or medium risk of injury when touching the cup storage trays.

- Switch off and allow the cup heater to cool down before cleaning.

- Switch off cup heater at the main switch.



- Moisten a non-abrasive cloth with a soap water solution.
- Clean the surfaces of the cup heater and the surface under the cup heater thoroughly.



9 UK Declaration of Conformity

Trade mark	Black & White 4 compact					
Product model	BW4(c)-CH					

Name und Anschrift des Herstellers:
Name and address of the manufacturer:
Nom et adresse du fabricant:

Thermoplan AG, Thermoplan-Platz 1, 6353 Weggis, Switzerland

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.
This declaration of conformity is issued under the sole responsibility of the manufacturer.
La présente déclaration de conformité est établie sous la seule responsabilité du fabricant.

Gegenstand der Erklärung:
Object of the declaration:
Objet de la déclaration:

Cup heater

Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Rechtsvorschriften von UK:
The object of the declaration described above is in conformity with the relevant UK legislation:
L'objet de la déclaration décrit ci-dessus est conforme à la législation de UK applicable:

UK SI 2016 No. 1101 (LVD)
UK SI 2016 No. 1091 (EMC)
UK SI 2012 No. 3032 (RoHS)

UK SI 2012 No. 2619 (FCM)
UK SI 2005 No. 1803 (General Product Safety)

Angabe der einschlägigen Normen, die zugrunde gelegt wurden, oder Angaben der anderen technischen Spezifikationen, in Bezug auf die die Konformität erklärt wird:
References to the relevant standards used or references to the other technical specifications in relation to which conformity is declared:
Références des normes pertinentes appliquées ou des autres spécifications techniques par rapport auxquelles la conformité est déclarée

IEC 60335-1 (ed.5);am1
IEC 60335-2-12 (ed.1);am1
IEC 62233 (ed.1)

Unterzeichnet für und im Namen von:
Signed for and on behalf of:
Signé par et au nom de:

.....

CH-6353 Weggis, 12.12.2020
(Ort und Datum der Ausstellung)
(Place and Date of issue)
(Lieu et date)

Adrian Steiner, CEO
(Name, Funktion und Unterschrift des Befugten)
(Name, function and signature of authorized person)
(Nom, fonction et signature du signataire autorisé)

Verantwortlich für die technische Dokumentation ist:
Responsible for the technical documentation is:
Responsable de la documentation technique:

Peter Naef



10 EU Declaration of Conformity

Product model BW4(c)-CH
Trade mark Black&White4 compact

Name und Anschrift des Herstellers:
Name and address of the manufacturer:
Nom et adresse du fabricant:

Thermoplan AG, Thermoplan-Platz 1, 6353 Weggis, Switzerland

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.
This declaration of conformity is issued under the sole responsibility of the manufacturer.
La présente déclaration de conformité est établie sous la seule responsabilité du fabricant.

Gegenstand der Erklärung:
Object of the declaration:
Objet de la déclaration:

Cup heater

Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union:
The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:
L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable:

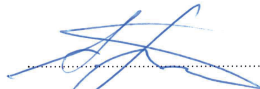
2014/35/EU (LVD)
2015/863/EU (RoHS)

Angabe der einschlägigen harmonisierten Normen, die zugrunde gelegt wurden, oder Angaben der anderen technischen Spezifikationen, in Bezug auf die die Konformität erklärt wird:
References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:
Références des normes harmonisées pertinentes appliquées ou des autres spécifications techniques par rapport auxquelles la conformité est déclarée:

IEC 60335-1(ed.5);am
IEC 60335-2-12(ed.1);am1
IEC 62233 (ed.1)

Unterzeichnet für und im Namen von:
Signed for and on behalf of:
Signé par et au nom de:

CH-6353 Weggis, 30.09.2019
(Ort und Datum der Ausstellung)
(Place and Date of issue)
(Lieu et date)



Adrian Steiner, CEO
(Name, Funktion und Unterschrift des Befugten)
(Name, function and signature of authorized person)
(Nom, fonction et signature du signataire autorisé)

Verantwortlich für die technische Dokumentation ist:
Responsible for the technical documentation is:
Responsable de la documentation technique:

Peter Naef

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Swiss Quality Coffee Equipment

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