

Truma CP (E) classic

GB

Operating instructions

To be kept in the vehicle!

Page 2



CP (E) classic control panels

Table of contents

Symbols used	2
Intended use	2

Operating instructions

Safety instructions	3
Display and control elements	3
CP classiccontrol panel	3
CP E classic power selector switch	3
Start-up	4
Hot water mode	4
Heating mode	4
Switching off	5
Fault	5
Gas or diesel mode	5
Electric mode	5
Mixed mode	6
Accessories	6
Troubleshooting guide (Combi Gas heater)	7
Troubleshooting guide (Combi Diesel heater)	9
Technical data	11
Maintenance	11
Disposal	11

Symbols used



The appliance must only be installed and repaired by an expert.



Note containing information and tips.



Observe the ESD regulations! Electrostatic charging can destroy the electronics. Ensure that potential compensation is present before touching the electronics.

Intended use

CP classic control panel

The control panel can be used to adjust the room and water temperature on a Truma Combi (E) heater.

CP E classic power selector switch (Combi Diesel E only)

The power selector switch can be used to select between the power types diesel and / or electrical power on a Truma Combi Diesel E heater (with heating elements for electric mode). The CP classic control panel is also required.

The control panels are intended for installation in caravans and motor homes. Installation in boats is not permitted.

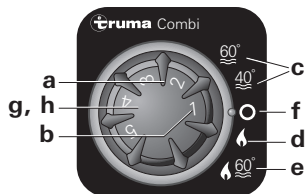
Operating instructions

Safety instructions

- The heater or control panel must not be used unless it is in perfect working order.
- Repairs must be carried out immediately. Only carry out repairs yourself if the solution is described in the trouble-shooting guide of this operating instructions.
- Do not make repairs or modifications to the heater or the control panel!
- A defective heater or defective control panel may only be repaired by the manufacturer or his service department.

Display and control elements

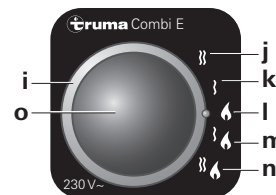
CP classiccontrol panel



- a = Control knob for room temperature (1 – 5)
b = Green LED lit, "On"
c = Hot water mode
(Water temperature 40 °C or 60 °C)
d = Heating mode
(heating **without** water temperature monitoring or with drained water system)
e = Heating mode
(heating **with** water temperature monitoring)

- f = Rotary switch "Off"
g = Yellow LED lit, "Boiler heat-up phase",
yellow LED flashing "Warning"
r = Red LED lit, red LED flashing "Fault"

CP E classic power selector switch (Combi Diesel E only)



- i = Power selection rotary switch
j = Electric mode 230 V, 1800 W
k = Electric mode 230 V, 900 W
l = Diesel mode
m = Mixed mode* (diesel or electric mode 900 W)
n = Mixed mode* (diesel and electric mode 1800 W)
o = Yellow LED lit "Electric mode"

* Hot water mode


In hot water mode, the heater automatically selects electric mode with the preset electric power of 900 W or 1800 W. If the 230 V ~ power supply is disconnected or fails, the heater automatically switches over to diesel mode.

Heating mode:


Electric mode has priority in heating mode. If the electrical heating output is insufficient, diesel mode is enabled.

-  Switching on the electric heating elements as well does not increase the maximum heating power.

Start-up


 **Heating mode is possible with or without water content depending on the operating mode.**

Hot water mode

 This operating mode can only be used if the boiler has been filled.

Appliances with electrical heating elements

Select diesel or electric mode using the power selector switch. Illumination of the yellow LED (o) at the power selector switch indicates that the appliance is operating with 230 V ~.

 Mixed mode (diesel and electric mode) is not possible in hot water mode. With this setting, the appliance automatically selects electric mode with the preset operating level of 900 W or 1800 W. If the 230 V ~ power supply is disconnected or fails, the heater automatically switches over to diesel mode.

Move the rotary switch on the control panel to position (c – hot water mode) 40 °C or 60 °C. The green (b) and yellow (g) LEDs light up.

After reaching the set water temperature (40 °C or 60 °C), the heater will switch off and the yellow LED (g) will be extinguished.

Heating mode

Appliances with electrical heating elements

Select diesel, electric or mixed mode using the power selector switch. Illumination of the yellow LED (o) at the power selector switch indicates that the appliance is operating with 230 V .

– Heating **with** water temperature monitoring

Move rotary switch on control panel to “On” position (e).

Set the control knob (a) to the desired thermostat setting (1 – 5). The green LED (b) for operation is lit and simultaneously indicates the position of the selected room temperature. The yellow LED (g) indicates the water’s heat-up phase.

The appliance automatically selects the required operating level according to the temperature difference between the setting on the control panel and the current room temperature. After the room temperature set on the control panel is reached, the heater switches back to the lowest setting and heats the water content to 60 °C. After the water temperature is reached, the heater switches itself off and the yellow LED (g) goes out.

– Heating **without** water temperature monitoring

Move rotary switch on control panel to “On” position (d).

Set the control knob (a) to the desired thermostat setting (1 – 5). The green LED (b) for operation is lit and simultaneously indicates the position of the selected room temperature. The yellow LED (g – water heat-up phase) will be lit only when the water temperature is below 5 °C!

The appliance automatically selects the required operating level according to the temperature difference between the setting on the control panel and the current room temperature. Once the room temperature selected on the control panel has been reached, the heater switches off. The warm air fan will continue to run at a low speed as long as the blow-out temperature (on the appliance) is higher than 40 °C.

If the boiler has been filled, the water is automatically heated as well. The water temperature then depends on the heat output and the time taken to reach the set room temperature.

– Heating with **drained** water system

Move rotary switch on control panel to “On” position (d).

Set the control knob (a) to the desired thermostat setting (1 – 5). The green LED (b) for operation is lit and simultaneously indicates the position of the selected room temperature. The yellow LED (g) will only be lit if the temperature of the appliance is below 5 °C!

Depending on the operating mode, the appliance will automatically select the required operating level according to the temperature difference between the setting on the control panel and the current room temperature. Once the room temperature selected on the control panel has been reached, the heater switches off. The warm air fan will continue to run at a low speed as long as the blow-out temperature (on the appliance) is higher than 40 °C.

Switching off

Switch off heater at control panel using rotary switch (position f). The green LED (b) goes off.

Always drain water contents if there is a risk of frost!

Appliances with gas mode

If the appliance is not going to be used for a long period of time, close the quick-acting valve in the gas supply line and turn off the gas cylinder.


Fault

Gas or diesel mode

In the event of a fault the red LED (h) or the yellow LED (g) on the control panel will flash.

Refer to the troubleshooting guide for possible causes.

A reset (fault reset) is carried out by switching off – waiting until all LED's on the control panel have stopped flashing – and then switching the heater on again.


 If the window to which a window switch is mounted is opened, the heater stops operating and the yellow LED (g) flashes 3 times. The heater continues operating when the window is closed.

Electric mode

(Combi Diesel E only)

The yellow LED (o) goes off on the power selector switch, and the yellow LED (g) or the red LED (h) flashes on the control panel.

Refer to the troubleshooting guide for possible causes.

 If, during operation, the 230 V ~ voltage supply is interrupted only briefly (approx. 1 second), the heater then continues in electric mode.

Mixed mode

(Combi Diesel E only)

Fault in the 230 V ~ power supply

The yellow LED (o) on the power selector switch goes off and the yellow LED (g) on the control panel flashes 2 x.

Refer to the troubleshooting guide for possible causes.

If the 230 V ~ power supply is interrupted during mixed mode, the heater will automatically switch to diesel mode. As soon as the 230 V ~ power supply has been restored, the heater automatically switches back to mixed mode.

Fault in the combustion procedure

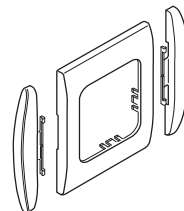
The yellow LED (o) on the power selector switch illuminates and the red LED (h) or the yellow LED (g) on the control panel flashes.

Refer to the troubleshooting guide for possible causes.

If the flame goes out during mixed mode (e.g. empty gas cylinder or closed exhaust outlet), the heater automatically switches to electric mode. For the heater to operate in mixed mode again, the cause of the fault must be remedied and the heater switched off and on again at the control panel (fault reset).

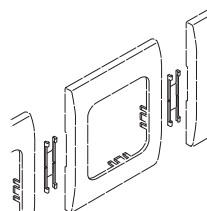
Accessories

Cover frames are available as accessories.



For the visual finish, side parts are available to match the cover frame. Please contact your specialist dealer in this connection.

Line-up clip, 1 pc. (part no. 34000-65900) for connecting two cover frames.



Other accessories (without picture) for control panel:

- Control panel cable in various lengths (maximum 10 m)

Troubleshooting guide (Combi Gas heater)

Flashing code at the analogue CP classic control panel

Flash sequence LED:

– On / Off: 0.5 seconds

Pause between flash sequence: 5 seconds

Fault	Cause	Remedy
No LED is on, the appliance is switched on and is supplied with operating voltage	– Automatic restart is blocked, e.g. after a power failure.	– Reset (fault reset) by switching off, waiting 5 seconds and then switching on again
No LED illuminates after switching on	– No operating voltage – Appliance fuse or vehicle fuse defective	– Check 12 V battery voltage, charge battery if necessary – Check all electrical plug connections – Check fuse of appliance or vehicle and replace if necessary (see fuses)
The green LED illuminates when the appliance is switched on, but the heater does not operate	– The temperature setting on the control panel is lower than the room temperature	– Select higher room temperature at the control panel
After switching on the heater, the green LED illuminates and the yellow LED flashes 1 x (heater continues operating)	– Risk of low voltage Battery voltage too low < 10.4 V	– Charge battery
yellow LED flashes 2 x (heater not functioning)	– Low voltage Battery voltage too low < 10.0 V – Overvoltage > 16.4 V	– Charge battery. If necessary replace old battery – Check battery voltage and voltage sources such as the charger
yellow LED flashes 3 x	– Open window above cowl (window switch)	– Close window

Fault	Cause	Remedy
yellow LED flashes 4 x (after operating for a longer period of time, the heater switches to failure)	<ul style="list-style-type: none"> – Summer mode with empty water container – Warm air outlets blocked – Circulated air intake blocked 	<ul style="list-style-type: none"> – Switch appliance off and allow to cool, fill boiler with water – Check the individual outlet openings – Remove the circulated air intake blockage
yellow LED flashes 5 x	<ul style="list-style-type: none"> – Room temperature sensor or cable faulty 	<ul style="list-style-type: none"> – Contact Truma Service
yellow LED flashes 7 x	<ul style="list-style-type: none"> – Control panel or control panel cable defective 	<ul style="list-style-type: none"> – Contact Truma Service
yellow LED flashes 8 x	<ul style="list-style-type: none"> – FrostControl heating element has a short circuit 	<ul style="list-style-type: none"> – Disconnect heating element plug from electronic control unit, replace heating element
yellow LED flashes 9 x (approx. 30 seconds after switching on the heater)	<ul style="list-style-type: none"> – Gas cylinder or quick-acting valve in the gas supply line closed – Gas cylinder empty 	<ul style="list-style-type: none"> – Check gas supply and open valves – Replacing a gas cylinder
(after operating for a longer period of time, the heater switches to failure)	<ul style="list-style-type: none"> – Gas pressure regulation system iced up – Butane content in the gas cylinder too high 	<ul style="list-style-type: none"> – Use regulator heater (EisEx) – Use propane (butane is unsuitable for heating, particularly at temperatures below 10 °C)
Red LED flashes 1 – 8 times	<ul style="list-style-type: none"> – Heater fault 	<ul style="list-style-type: none"> – Please contact Truma Service. Determine the flashing code (short, long) if necessary: red LED on heater electronics.
Green LED still illuminated after the heater has been switched off	<ul style="list-style-type: none"> – After-running is active to reduce the temperature of the appliance 	<ul style="list-style-type: none"> – No fault. After-run switches itself off after max. 5 minutes
Room heating does not react to adjustment immediately	<ul style="list-style-type: none"> – After-running is active to reduce the temperature of the appliance 	<ul style="list-style-type: none"> – No fault. After-run switches itself off after max. 5 minutes
After switching on the green and the red LED illuminate	<ul style="list-style-type: none"> – Faulty electronics 	<ul style="list-style-type: none"> – Contact Truma Service

If these actions do not remedy the problem, please contact Truma Service.

Troubleshooting guide (Combi Diesel heater)

Flashing code at the analogue CP classic control panel

Flash sequence LED:

– On / Off: 0.5 seconds

Pause between flash sequence: 5 seconds

Fault	Cause	Remedy
No LED illuminates after switching on	<ul style="list-style-type: none"> – No operating voltage – Appliance fuse or vehicle fuse defective 	<ul style="list-style-type: none"> – Check 12 V battery voltage, charge battery if necessary – Check all electrical plug connections – Check fuse of appliance or vehicle, replace if necessary (see fuses)
The green LED illuminates when the appliance is switched on, but the heater does not operate	<ul style="list-style-type: none"> – The temperature setting on the control panel is lower than the room temperature 	<ul style="list-style-type: none"> – Select higher room temperature at the control panel
Green LED flashes (with 5 Hz) after the heater has been switched off	<ul style="list-style-type: none"> – After-running is active to reduce the temperature of the appliance 	<ul style="list-style-type: none"> – No fault, after-run switches itself off after max. 5 minutes
Red LED flashes 6 x	<ul style="list-style-type: none"> – Lack of fuel due to insufficient fuel tank filling, tank has run empty and / or vehicle is on a slope 	<ul style="list-style-type: none"> – Fill tank with fuel, then fill fuel line as described in “Initial start-up”
Red LED flashes (except 6 times) or red LED permanently on	<ul style="list-style-type: none"> – Heater malfunction 	<ul style="list-style-type: none"> – Contact Truma Service
Yellow LED flashes 1 x	<ul style="list-style-type: none"> – Risk of low voltage < 11.5 V 	<ul style="list-style-type: none"> – Use the electrical power from the battery sparingly, e.g. restrict lighting – Charge battery
Yellow LED flashes 2 x	<ul style="list-style-type: none"> – Undervoltage < 10.2 V 	<ul style="list-style-type: none"> – Check battery voltage, charge if necessary – Short-term immediate action, switch off major consumers or start up vehicle engine until the heater starts running (approx. 4 minutes) – Battery capacity inadequate, if necessary exchange old battery
Yellow LED flashes 2 x	<ul style="list-style-type: none"> – Overvoltage > 16.4 V 	<ul style="list-style-type: none"> – Check battery voltage and voltage sources such as the charger

Fault	Cause	Remedy
(only on Combi D 6 E)	<ul style="list-style-type: none"> – No 230 V ~ operating voltage – 230 V fuse ~ defective – Longer period of non-use, e.g. over the winter months 	<ul style="list-style-type: none"> – Restore 230 V ~ operating voltage – Replace 230 V ~ fuse – Operate the heater in diesel mode for approx. 30 minutes – then switch over to electric mode
Yellow LED flashes 3 x	<ul style="list-style-type: none"> – Overheating protection has been triggered – Open window above cowl (window switch) 	<ul style="list-style-type: none"> – Reset the overheating protection, allow the heater to cool, remove the connection cover and press the reset button – Close windows
Yellow LED flashes 4 x	<ul style="list-style-type: none"> – Warm air temperature and / or water temperature exceeded: – Not all warm air ducts are connected – Warm air outlets blocked – Circulated air intake blocked – Summer mode with empty water container 	<ul style="list-style-type: none"> – Check whether the 4 warm air ducts are connected – Check the individual outlet openings – Remove the circulated air intake blockage – Fill boiler with water
Yellow LED flashes 5 x	<ul style="list-style-type: none"> – Room temperature sensor or cable defective 	<ul style="list-style-type: none"> – Contact Truma Service
Yellow LED flashes 6 x	<ul style="list-style-type: none"> – Water temperature exceeded in summer mode 	<ul style="list-style-type: none"> – Fill boiler with water
Yellow LED flashes 7 x	<ul style="list-style-type: none"> – Control panel or control panel cable defective 	<ul style="list-style-type: none"> – Contact Truma Service
Yellow LED flashes 8 x	<ul style="list-style-type: none"> – FrostControl heating element has a short circuit 	<ul style="list-style-type: none"> – Disconnect heating element plug from electronic control unit, replace heating element

If these actions do not remedy the problem, please contact Truma Service.

Technical data

Dimensions (LxWxH) 53 x 53 x 44 mm



Subject to technical changes.

Maintenance

The control panels are maintenance free.

Disposal

The appliance must be disposed of in accordance with the administrative regulations of the respective country in which it is used. National regulations and laws (in Germany, for example, the End-of-life Vehicle Regulation) must be observed.



Should problems occur, please contact the Truma Service Centre or one of our authorised service partners (see www.truma.com).

In order to avoid delays, please have the unit model and serial number ready (see type plate).

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Service

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