Truma CP (E) classic

truma

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Symbols used

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

Note containing information and tips.

Please pay attention to the ESD regulations!
Electrostatic charge can destroy the electronics.
Ensure that potential compensation is present before touching the electronics.

Intended use

Control panel – CP classic
The room temperature and the water temperature can be set at a Truma Combi (E) heating system using the control panel.

Power selector switch – CP E classic
It is possible to choose between gas, diesel and/or electrical energy at a Truma Combi (E) heating system (with heating elements for electrical mode) using the power selector switch. The CP classic control panel is also required.

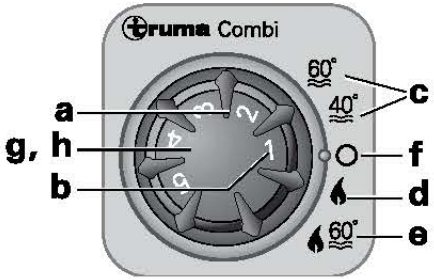
The control panels are intended for installation in caravans and motor homes. Installation in boats is not permitted.

Safety instructions

- The heating system 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 troubleshooting guide of this manual.
- Do not make repairs or modifications to the heating system or the control panel!
- A defective heating system or defective control panel may only be repaired by the manufacturer or his service department.

Display and control panels

Control panel – CP classic



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 and hot water mode
(heating **without** water temperature monitoring or with drained water system)
e = Heating and hot water 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"

Power selector switch – CP E classic

i = Power selection rotary switch
j = Electrical mode 230 V, 1800 W
k = Electrical mode 230 V, 900 W
l = Gas or diesel mode
m= Mixed mode* (gas, diesel or electrical mode 900 W)
n = Mixed mode* (gas, diesel or electrical mode 1800 W)
o = Yellow LED lit = "Electrical mode"

* Hot water mode
In hot water mode the heating system automatically selects electrical mode at the preselected electrical power setting of 900 W or 1800 W.

Heating mode:
Electrical mode has priority in heating mode. If the electrical heating output is insufficient, gas or 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.

Devices with electrical heating elements

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

Mixed mode (gas or diesel and electrical mode) is not possible in hot water mode. With this setting the unit automatically selects electrical mode with a preselected power setting of 900 W or 1800 W.

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 heating system will switch off and the yellow LED (g) will be extinguished.

Heating and hot water mode

Devices with electrical heating elements

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

– Heating **with** water temperature monitoring

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

Set the rotary switch (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 unit automatically selects the required operating level according to the temperature difference between the setting on the control panel and the current room temperature. When the room temperature selected on the control panel is reached, the heating system switches back to the smallest setting and heats the water to 60 °C. Once the water temperature is reached, the heating system switches 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 rotary switch (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 unit 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 heating system switches off. The warm air fan will continue to run at a low speed as long as the blow-out temperature (on the unit) is higher than 40 °C.

If the boiler has been filled, the water is automatically heated as well. The water temperature is then dependent on the heating output being given off, and the duration of heating required to reach the desired room temperature.

– Heating with **drained** water system

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

Set the rotary switch (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 unit is below 5 °C!

Depending on the operating mode, the unit 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 heating system switches off. The warm air fan will continue to run at a low speed as long as the blow-out temperature (on the unit) is higher than 40 °C.

Switching off

Switch off heating system 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!

Units with gas mode
If the unit 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.

Possible causes can be found in the troubleshooting guide.

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 heating system 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.

Electrical mode

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.

Possible causes can be found in the troubleshooting guide.

If the 230 V power supply is interrupted for just a brief period of approximately 1 second during operation, the heating system will subsequently resume in electrical mode.

Mixed mode

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.

Possible causes can be found in the troubleshooting guide.

If the 230 V power supply is interrupted during mixed mode, the heating system will automatically switch to gas mode. As soon as the 230 V power supply is restored, the heating system automatically switches back to mixed mode.

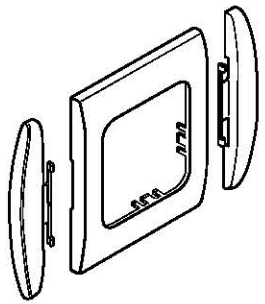
Fault in the combustion procedure
The yellow LED (o) on the power selector switch illuminates and the red LED (h) or the yellow LED (g) on the control panel flashes.

Possible causes can be found in the troubleshooting guide.

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

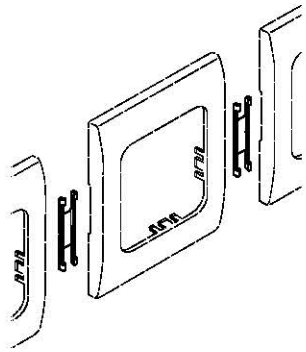
Accessories

Cover frames are available as accessories in the colours agate grey, black, beige, platinum and gold.



Matching side parts are available for the control panels in 8 different colours, and create a visually attractive finish. Please contact your specialist dealer in this connection.

Line-up clip, 1 piece (part no. 34000-65900). For installing several Truma control panels next to each other.



Other accessories (without picture) for control panel:

– 3 m control panel cable (part no. 36110-01)
– 6 m control panel cable (part no. 36110-02)
– 9 m control panel cable (part no. 36110-03)

Troubleshooting guide (Combi Gas heating system)

Flashing code at analogue control panel – CP Classic
Flash sequence LED:
– On / Off: 0.5 seconds
Pause between flash sequence: 5 seconds

Fault	Cause	Rectification
No LED is on, the unit is switched on and is supplied with operating current	– Automatic restart is blocked, e.g. after an 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	– Check 12 V battery voltage, charge battery if necessary – Check all electrical plug connections
	– Device fuse or vehicle fuse defective	– Check fuse of unit or vehicle and replace if necessary (see fuses)
The green LED comes on when the unit is switched on, but the heating system 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 heating system, the green LED illuminates and		
the yellow LED flashes 1 x (Heating system continues to operate)	– Risk of low voltage Battery voltage too low < 10.4 V	– Charge battery
yellow LED flashes 2 x (Heating system not operating)	– Low voltage Battery voltage too low < 10.0 V	– Charge battery. If necessary replace old battery
	– Overvoltage > 16.4 V	– Check battery voltage and voltage sources such as the charger
(Only with Combi E)	– No 230 V operating voltage	– Restore 230 V operating voltage
	– 230 V fuse defective	– Replace 230 V fuse
	– Overheating protection has been triggered	– Reset overheating protection, allow heating system to cool, remove connection cover and press reset button
yellow LED flashes 3 x	– Open window above cowl (window switch)	– Close window

Fault	Cause	Rectification
yellow LED flashes 4 x (After operating for a longer period of time, the heating system switches to failure)	– Summer mode with empty water container	– Switch unit off and allow to cool, fill boiler with water
	– Warm air outlets blocked	– Check individual outlet apertures
	– Circulated air intake blocked	– Remove blockage from circulated air intake
yellow LED flashes 5 x	– Room temperature sensor or cable defective	– Please contact Truma Service
yellow LED flashes 7 x	– Control panel or control panel cable defective	– Please contact Truma Service
yellow LED flashes 8 x	– FrostControl heating element has a short circuit	– Disconnect heating element plug from electronic control unit, replace heating element
yellow LED flashes 9 x (approx. 30 seconds after switching on the heating system)	– Gas cylinder or quick-acting valve in gas supply line closed	– Check gas supply and open valves
	– Gas cylinder empty	– Replacing a gas cylinder
(After operating for a longer period of time, the heating system switches to failure)	– Gas pressure regulation system iced up	– Use regulator heater (EisEx)
	– Butane content in the gas cylinder too high	– Use propane (butane is unsuitable for heating, particularly at temperatures below 10 °C)
Red LED flashes 1 - 8 times	– Heating system fault	– Please contact Truma Service. Determine flashing code (short, long) if necessary: Red LED on heater electronics.
Green LED flashes (with 5 Hz) after the heating system has been switched off	– After-running is active to reduce the temperature of the unit	– No fault. After-run switches itself off after max. 5 minutes.
Room heating does not react to adjustment immediately	– After-running is active to reduce the temperature of the unit	– No fault. After-run switches itself off after max. 5 minutes
After switching on the green and the red LED illuminate	– Faulty electronics	– Please contact Truma Service

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

Troubleshooting guide (Combi Diesel heating system)

Flashing code in analogue control panel – CP Classic
Flash sequence LED:
– On / Off: 0.5 seconds
Pause between flash sequence: 5 seconds

Fault	Cause	Rectification
No LED illuminates after switching on.	– No operating voltage – Device fuse or vehicle fuse defective	– Check 12 V battery voltage, charge battery if necessary – Check all electrical plug connections – Check fuse of unit or vehicle, replace if necessary (see fuses)
The green LED illuminates when the unit is switched on, but the heating system does not operate	– The temperature setting on the control panel is lower than the room temperature	– Select higher room temperature at the control panel
Green LED flashes (with 5 Hz) after the heating system has been switched off	– After-running is active to reduce the temperature of the unit	– No fault, after-run switches itself off after max. 5 minutes
Red LED flashes 6 x	– Lack of fuel due to insufficient fuel tank filling, tank has run empty and / or vehicle is on a slope	– 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	– Heater malfunction	– Please contact Truma Service
Yellow LED flashes 1 x	– Risk of low voltage < 11.5 V	– Use the electrical power from the battery sparingly, e.g. restrict lighting – Charge battery
Yellow LED flashes 2 x	– Undervoltage < 10.2 V	– Check battery voltage, charge battery if necessary – Short-term immediate action, switch off major consumers or start up vehicle engine until the heating system starts running (approx. 4 minutes) – Battery capacity inadequate, if necessary exchange old battery

Fault	Cause	Rectification
Yellow LED flashes 2 x	– Overvoltage > 16.4 V	– Check battery voltage and voltage sources such as the charger
(Only with Combi E)	– No 230 V operating voltage – 230 V fuse defective – Overheating protection has been triggered	– Restore 230 V operating voltage – Replace 230 V fuse – Reset overheating protection, allow heating system to cool, remove connection cover and press reset button
Yellow LED flashes 3 x	– Open window above cowl (window switch)	– Close window
Yellow LED flashes 4 x	– Warm air temperature and / or water temperature exceeded:	
	– Not all warm air ducts are connected	– Check whether the 4 warm air ducts are connected
	– Warm air outlets blocked – Circulated air intake blocked	– Check individual outlet apertures – Remove blockage from circulated air intake
	– Summer mode with empty water container	– Fill boiler with water
Yellow LED flashes 5 x	– Room temperature sensor or cable defective	– Please contact Truma Service
Yellow LED flashes 6 x	– Water temperature exceeded in summer mode	– Fill boiler with water
Yellow LED flashes 7 x	– Control panel or control panel cable defective	– Please contact Truma Service
Yellow LED flashes 8 x	– FrostControl heating element has a short circuit	– 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

CE

Right reserved to make technical changes!

Maintenance

The control panels are maintenance free.

Disposal

The unit must be disposed of in line 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.

Declaration of conformity

The control panels are entitled to bear the CE symbol. (Conformity declaration – see operating instructions of relevant heating system)

The CE product identification number of the heating system remains valid.

Installation instructions

Safety instructions

In-vehicle installations must comply with the technical and administrative regulations of the respective country of use (e.g. EN 1648, VDE 0100-721). National regulations and rules must be followed.

Please pay attention to the ESD regulations!

Scope of delivery

CP classic (for units without electrical heating elements)
1 CP classic control panel
1 Set of operating and installation instructions

CP E classic (for units with electrical heating elements)
1 CP classic control panel
1 Power selector switch – CP E classic
1 Control panel connecting cable
1 Set of operating and installation instructions

To be ordered separately
– Connector cables (for connecting control panel / power selector switch to heating system - available in different lengths)
– Cover frame, side parts and line-up clip if necessary

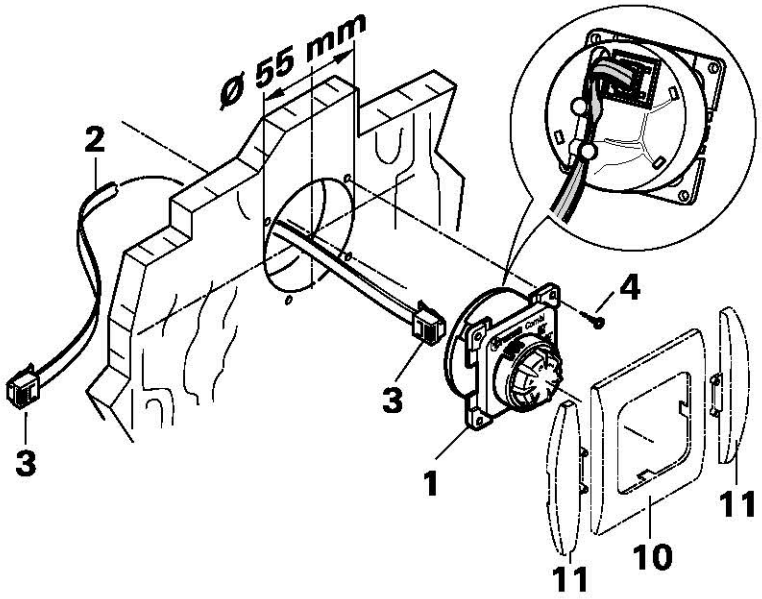
Assembly

Selecting a location

Install control panels in a location that is protected from moisture and humidity.

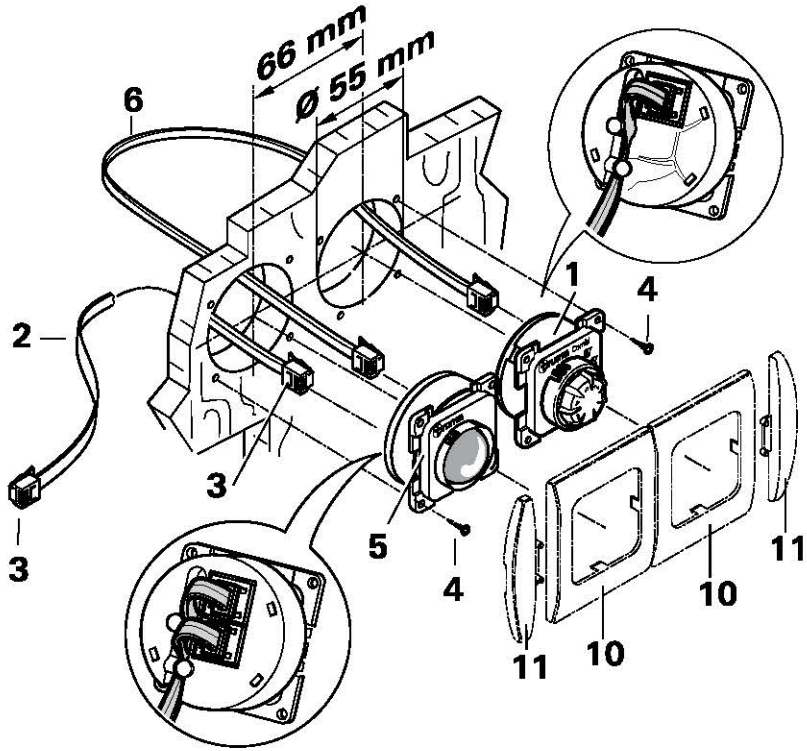
CP classic control panel

– Drill hole with diameter of 55 mm.
– Attention: Maximum length of connector cable 10 m.
– Attach plug (3) of the connector cable (2) to control panel (1).
– Clamp connector cable (2) in cable duct of control panel.
– Route connector cable (2) to heating system and plug in.
– Ensure that all connectors are engaged.
– Secure control panel with 4 screws (4).
– Fit cover frame (10) with side parts (11).



CP classic control panel and CP E classic power selector switch

– Drill hole with a diameter of 55 mm for each device (distance between hole centres 66 mm).
– Connect control panel (1) and power selector switch (5) using control panel connecting cable (6).
– Attention: Maximum length of connector cable 10 m.
– Attach plug (3) of connector cable (2) to power selector switch (5). Clamp cables (2 + 6) into control panel cable guides.
– Route connector cable (2) to heating system and plug in.
– Ensure that all connectors are engaged.
– Secure each control panel with 4 screws (4).
– Fit cover frame (10) with side parts (11).



(E) Las instrucciones de uso y de montaje en su idioma pueden solicitarse al fabricante Truma o al Servicio postventa Truma en su país.

(FIN) Saat käyttö- ja asennusohjeen pyynnöstä omalla kielelläsi valmistajalta (Truma) tai maasi Truma-huoltoon.

(N) Spør om bruks- og monteringsanvisning på norsk hos produsenten Truma eller Trumas serviceavdeling i landet ditt.

(GR) Μπορείτε να ζητήσετε τις οδηγίες χρήσης και τοποθέτησης στη γλώσσα της χώρας σας από τον κατασκευαστή Truma ή από το σέρβις της Truma στη χώρα σας.

(CZ) Návod k použití a montáži si lze v jazyce vaší země vyžádat u výrobce Truma nebo servisu Truma ve vaší zemi.

(SK) Návod na použitie a montáž vo Vašom štátnom jazyku si môžete vyžiadať u výrobcu Truma alebo v servise Truma vo Vašej krajine.

(P) As instruções de utilização e montagem podem ser solicitadas junto do fabricante Truma ou do serviço de assistência da Truma no seu país.

(H) Az Ön nyelvén a használati és beszerelési utasítás a Truma gyártójától vagy az adott ország Truma szerviztől szerezhető be.

(PL) Instrukcję obsługi i instrukcję montażu w Państwa wersji językowej można otrzymać w firmie Truma lub serwisie firmy Truma znajdującym się w Państwa kraju.

(TR) Dilinizdeki kullanma ve montaj talimatı, üretici Truma'dan veya ülkenizdeki Truma servisinden talep edilebilir.

(RUS) Руководство по эксплуатации и монтажу на Вашем национальном языке можно запросить у изготовителя Truma или в сервисной службе фирмы Truma в Вашей стране.

(D) Bei Störungen wenden Sie sich bitte an das Truma Servicezentrum oder an einen unserer autorisierten Servicepartner (siehe Truma Serviceheft oder www.truma.com).

Für eine rasche Bearbeitung halten Sie bitte Gerätetyp und Fabriknummer (siehe Typenschild) bereit.

(GB) Always notify the Truma Service Centre or one of our authorised service partners if problems are encountered (see Truma Service Booklet or www.truma.com).

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

(F) Veuillez vous adresser au centre de SAV Truma ou à un de nos partenaires de SAV agréés en cas de dysfonctionnements (consultez votre livret de service Truma ou www.truma.com).

Pour un traitement rapide de votre demande, veuillez tenir prêts le type d'appareil et le numéro d'usine (voir plaque signalétique).

(I) In caso di guasti rivolgersi al centro di assistenza Truma o a un nostro partner di assistenza autorizzato (vedere il libretto di assistenza Truma o il sito www.truma.com).

Affinché la richiesta possa essere elaborata rapidamente, tenere a portata di mano il modello dell'apparecchio e il numero di fabbrica (vedere targa dati).

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