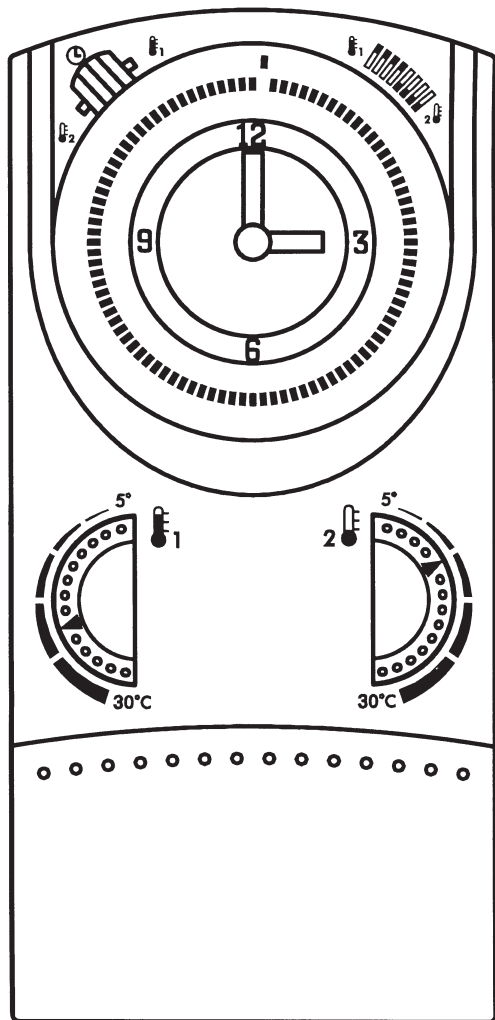


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1.	List of contents	Page
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Grey area indicates user range



This room thermostat clock creates comfortable room temperatures in the simplest way possible.

The two temperature levels

= Comfort temperature

= Lower temperature

are set with the according knobs.

Settings between 5°C and 30°C possible.

The manual switch can be used to switch between three operating modes:

Operating mode = Automatic

The unit operates during the set switching times and switches between and .

Please note that when switching the manual switch from „Temperature “ to „“, the coloured mark on the manual switch must be aligned for a short time with the clock symbol on the unit to immediately activate the automatic mode.

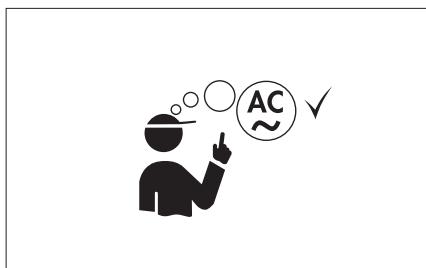
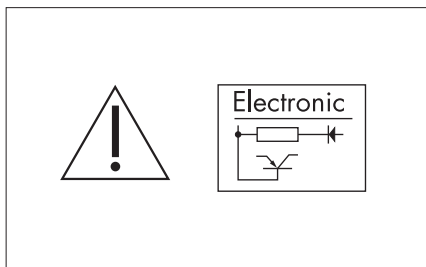
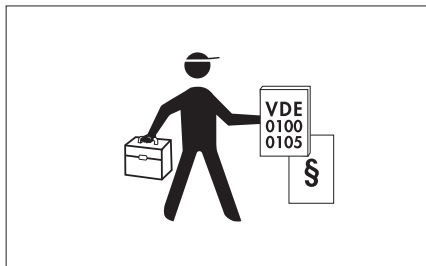
Continuous temperature operating modes

= Comfort temperature

= Lower temperature

The selected temperature remains constant until a different operating mode has been selected.

Please remember when setting the switching times that the heating system requires a certain amount of time before it reaches the desired temperature.



- Assembly/installation should only be carried out by qualified person exercising due care.
- Switch off the heating system before assembly.
- Check and make sure that the connection wires are not live.

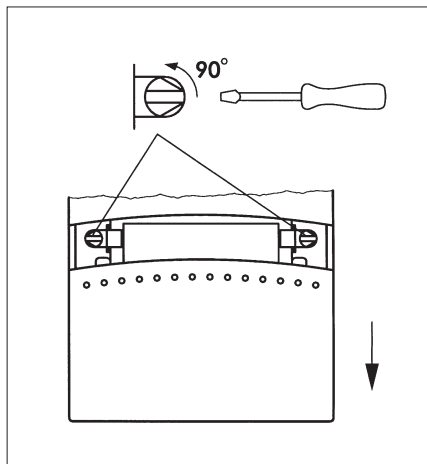
! Assembly note:

- only use PVC-sheathed cables (solid wire) during installation
- may only be attached to a non-conducting, level and stable surface
- only suitable for ambient conditions where normal quantities of dirt occur
- if installed properly in accordance with VDE 0100, Part 40, the components where contact remains possible may be regarded as doubly insulated (Class of protection II)

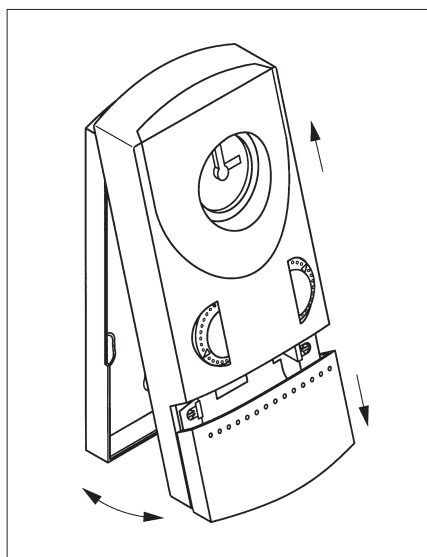
! Operating note:

This unit's electronic unit has been protected from external interference. However – depending on the type of assembly – remember that the mains voltage may be overlaid with extremely high interference voltage peaks. Also, when switching coils, e. g. solenoid valves, contactors, interference occurs that may affect an electronic unit in spite of all internal protective measures. To guarantee the greatest operating safety, the following details must be observed when connecting:

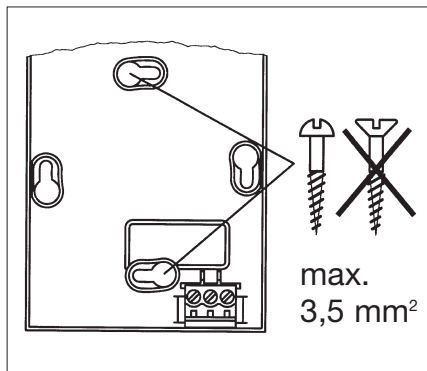
- where larger plants are concerned, it will be necessary to shield coils, e. g. solenoid valves, contactors, that are switched directly by the unit with a suitable varistor or RC element
 - if inductive DC voltage consumers are switched, a free-wheeling diode must be added
 - inductive and capacitive loads especially exert a lot of stress on the output contacts.
- In individual cases check, whether the installation requires
- an isolation relay or contactor or
 - an interference suppression filter, e. g. Type NEF 2.-1,0 A, Messrs. Murr.



Cover



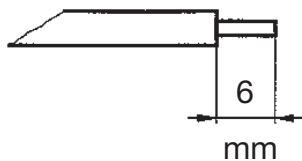
Remove the famoso from its base



Feed the connection wires through the opening in the unit's base

Attach the base on a firm surface or surface-mounted socket

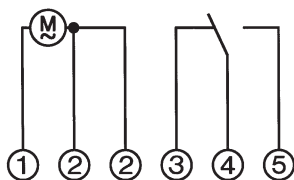
max. 2,5 mm²



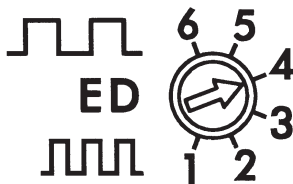
The unit must be connected by a qualified person exercising due care.

Check and make sure that the connecting wires are not live.

Strip the connection wires properly and connect as shown in the circuit diagram.



Contacts 4-5 closed = heating mode



The heating-cycle setting (CDF value) is for adapting to the control range.

This is affected by:

- Room size
- Type of heating, e. g. convectors, storey heating
- Type of assembly
- Temperature control/thermostat

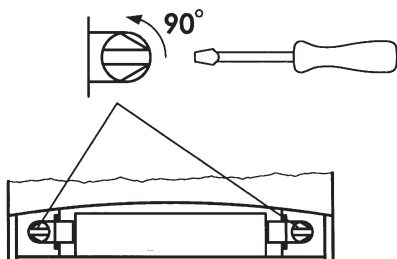
The set value can be altered to achieve an optimum heating control.

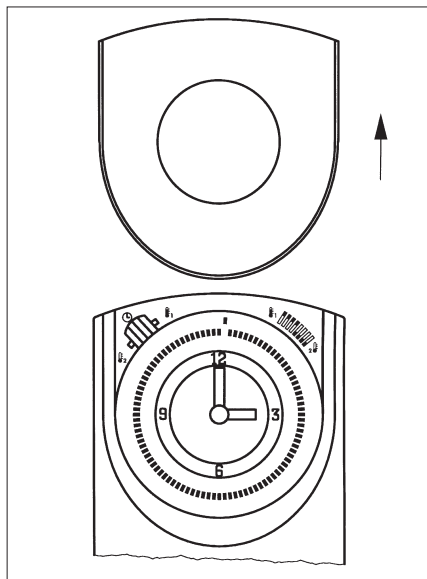
Set the value accordingly with the potentiometer on the rear of the unit.

(Factory setting 4)

Recommended settings	Set value
Direct electric heating	1 or 2
Supplementary electric bathroom radiator	2 or 3
Single-room control system with electrically operated radiator valves (hot-water heating) Small or medium-sized rooms	3 or 4
Single-room control system with electrically operated radiator valves (hot-water heating) Medium-sized or large rooms	4 or 5
Wall-mounted gas-fired boiler for single-storey heating systems	4 or 5
Free-standing gas-fired boiler or oil-fired boiler for larger living modules	4,5 or 6

Place the famoso on it's base and resecure.





Type 500 day time switch
Type 550 week time switch

Slide the cover upwards and remove.

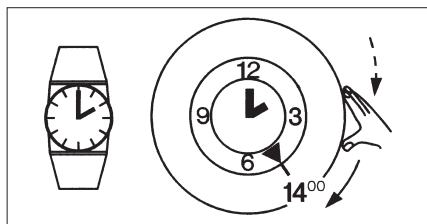
⚠ Only turn in the direction of the arrow ⚠

Day time switch

e. g. 14.00 h

Turn the ring in the direction of the arrow until the desired hour is aligned with the locating arrow.

The precise setting is made with the minute hand.

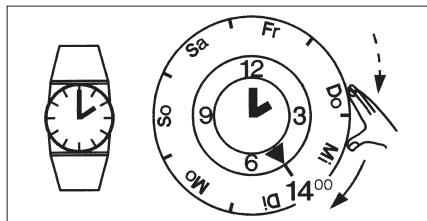


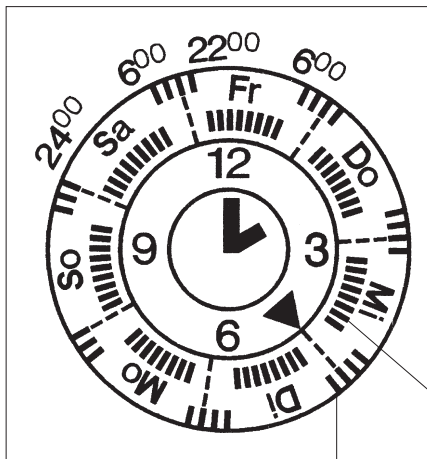
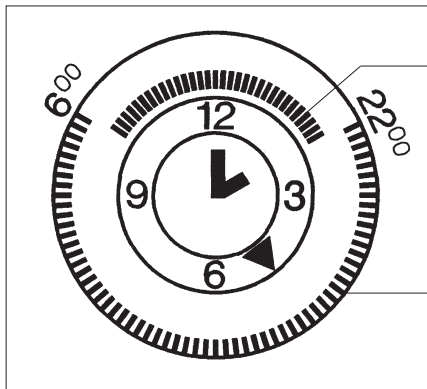
Week time switch

e. g. Thursday 14.00 h

Turn the ring in the direction of the arrow until the desired week day is in the area of the locating arrow.

The precise setting is made with the minute hand.





5.1 Switching times for changing temperatures with the day time switch (famoso 500)

e. g. 06.00 – 22.00 hours = Comfort-temperature

e. g. 22.00 – 06.00 hours = Lower temperature

Inside segments = Lower temperature

Outside segments = Comfort-temperature

1 segment = 15 minutes

5.2 Switching times for changing temperatures with the week time switch (famoso 550)

e. g. Monday - Friday

06.00 – 22.00 h = Comfort-temperature

22.00 – 06.00 h = Lower temperature

Saturday - Sunday

06.00 – 24.00 h = Comfort-temperature

24.00 – 06.00 h = Lower temperature

Inside segments = Lower temperature

Outside segments = Comfort-temperature

1 segment = 1 hour

The two temperature values – desired temperatures are set independently of each other.



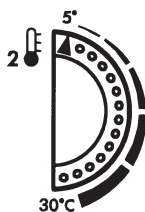
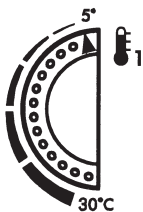
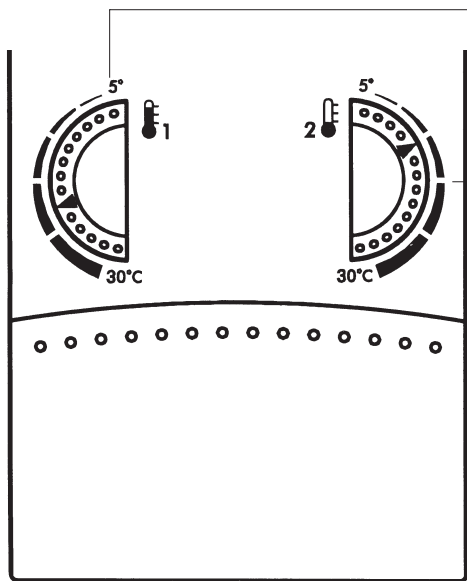
Comfort temperature
e. g. +22 °C

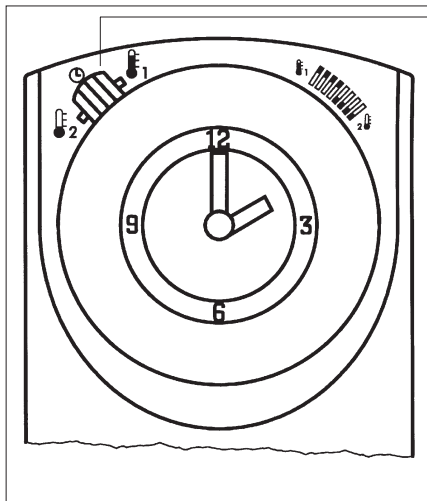



Lower temperature
e. g. +15 °C





Frost protection = +5 °C






The  manual switch selects on of three operating modes:

 Operating mode = Automatic

The unit operates during the set times and switches between  and .

Continuous temperature operating modes

 = Comfort temperature

 = Lower temperature

The selected temperature remains until a different operating mode is selected.

Dimensions H x W x D (mm) 158 x 75 x 36,5

Operating voltage 230 V/50-60 Hz

Switching capacity

- at ohmic loads 5 A/250 V~
- at inductive loads 1 A/250 V~
cos φ 0,6
- min. 1 mA at 24 V DC

Switching output floating

Switching contact 1 changeover contact

Ambient temperature -5 °C ... +45 °C

Class of protection II

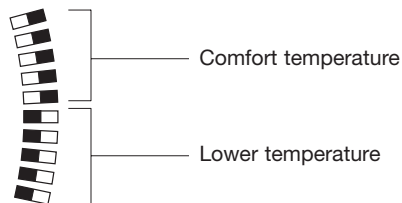
Accuracy $\pm 2,5$ s/day at +25 °C

Shortest switching period

- daily programme 15 min.
- weekley programme 2 h, settings
by hours

Operating modes

 Automatic mode



 Comfort temperature continuous mode

 Lower temperature continuous mode

Temperature regulation range +5 °C to +32 °C

Temperature switching difference $\pm 0,25$... 0,5 K*

Regulator electronic

Degree of protection IP 20

* Greater fluctuations are possible as a result of the heating system and the heated room

Problems:	Remedy:	Page
The room is too hot or cold	Check temperature settings	11
The heating system does not switch on or off on time	Check time and switching time	9, 10
The heating system does not switch on or off	Check the manual switch Unit is switched to continuous mode	12
The heating system takes too long to reach the desired temperature. The heating system switches too frequently.	Check heating-cycle setting correct if necessary	8

Use a dry cloth to clean the unit.
Never use any caustic cleaning agents.

11. Service addresses

GRÄSSLIN GmbH & Co. KG
FEINWERKTECHNIK
Postfach 1232
D-78104 St. Georgen/Schw.
Telefon (07724) 933-0
Telefax (07724) 933-240

Key word	Page
Automatic mode	3 / 10 / 12
CDF value	8
Cleaning and maintenance	15
Connections	7
Continuous temperatures	11
Cycle times	8
Diagram	7
Factory settings	8
Faults	14
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Heating mode	3 / 10 / 12
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Programme setting	10
Room temperature	11
Setting switching times	10
Setting the current time	9
System settings	8
Technical data	13
Temperature levels	11
Time setting	9
Unit base	5