

# Module timer

**EN Operating Instructions**
**Valid for heaters versions:**
**Air heater**

Order number module timer

Display

(DE) 22 1000 30 38 00

(EN) 22 1000 30 40 00

**Water heater**

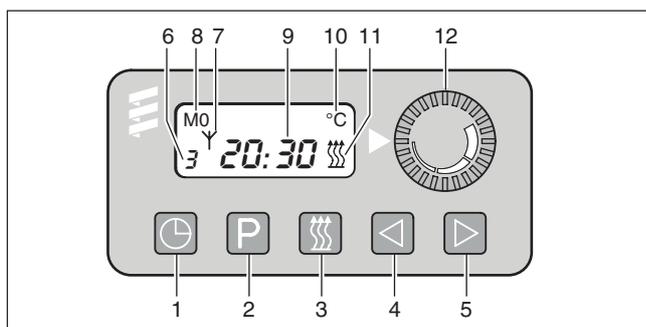
Display

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All signals will start to flash on the display when the module timer is connected to the power supply.  
 The switching clock must be entirely set. The heater cannot be switched on when the clock is in this state.

**Setting the time and weekday for the first time**

Briefly press . Time display flashes 12:00.  
 Set the current time with or .

The time is stored as soon as it stops flashing.  
 The weekday will then flash. Set the current weekday with or .

The weekday is stored as soon as it stops flashing. The display is retained with ignition “ON”; the display is turned off after 10 seconds with ignition “OFF”.

**Changing the time and weekday**

Keep depressed until the time flashes.  
 Then proceed as described on the left-hand side.  
 If only the time is to be reset, then press twice after the time has been reset to skip flashing and weekday setting.  
 After the weekday has been reset press to shorten the duration of weekday flashing.

**Heater operation without preselection in ignition “OFF” state**

Heating symbol = observe operating display.

**Switching on the heater**


Briefly press .

Operating display and display of heating duration: The heating duration is works adjusted to 120 minutes. It can be changed for a single heating period or permanently changed.

**Changing the heating duration for a single heating period**

After switch-on:  
 Shorten heating duration (down to minimum 1 minute):  
 Press .

Lengthen heating duration (up to maximum 120 minutes):  
 Press .

**Changing the heating duration permanently**

Do not switch on .

Press and hold down (approx. 3 seconds) until the display appears and flashes. Release. Now set the heating duration (from 10 to 120 minutes) with or . The new heating duration has been stored when the display disappears.

**Turning off the heating**

Briefly press . The operating display disappears.  
 The fan continues to run to cool down the heater.

**Heater operation without preselection in ignition “ON” state**

Heating symbol = observe operating display.

**Switching on the heater**


Briefly press .

Operating display as well as time and weekday.  
 The heater will continue to operate for as long as the ignition remains switched on.  
 A residual heating time of 15 minutes continues after the ignition has been switched off. This can be lengthened to maximum 120 minutes by pressing , or shortened down to a minimum of 1 minute) by pressing .

**Switching off the heater**

Briefly press . The operating display disappears.  
 The fan automatically continues to run to cool down the heater.

**External switch “Heater ON / OFF”**

If an additional switch has been mounted, then the heater can be turned off from a remote point in the manner described above.

## Preselect heating start

Three switch-on times within the next 24 hours can be selected or one switch-on time within up to 7 days.

### Only 1 switch-on time can be activated at any given time!

#### 1. Select memory and activate:

(proceeding from a neutral setting as long as the display is visible)

First memory – Press  once  
Memory display: 1 (basic setting 12 00)  
Second memory – Press  twice  
Memory display: 2 (basic setting 12 00)  
Third memory – Press  three times  
Memory display: 3 (basic setting 12 00)

#### Neutral setting – No memory is activated.

Continue pressing  until the memory display disappears.

#### 2. Start heating within 24 hours

Setting a preselected day:

The preselected day is automatically obtained and does not have to be set.

Setting a preselected time:



Continue pressing  until the required memory display (1, 2, 3) flashes on the display.

Briefly press  or  and release.

The preset time flashes on the display. Use  or  to set the preselected time for heating.

Setting is only possible as long as the preselected time flashes on the display.

Renewed selection: Press .

#### 3. Start heating later than 24 hours (max. 7 days)

Setting a preselected time



Continue pressing  until the required memory display (1, 2, 3) flashes on the display.

Briefly press  or  and release. The preset time flashes on the display. Use  or  to set the preselected time for heating.

Setting a preselected day:

The preselected day starts to flash approximately 5 seconds after the preselected time has been set.

Use  or  to set the preselected day for heating.

The preselected time and preselected day are stored as soon as the time display disappears or when the display is changed over to indicate the time. The memory display indicates the activated memory. A flashing heating key () additionally indicates an activated memory.

## 4. Checking the activated memory

The preselected time of the displayed memory is shown for approximately 5 seconds. This is then either turned off or the time is displayed (with ignition "ON"). The display of the preselected time and preselected data for approx. 5 seconds can be called by pressing  once.

### Temperature display

With connected outside temperature sensor (Order No. 25 1482 89 41 00) the temperature can be permanently displayed when the ignition is switched on by pressing  once. When the ignition is switched off, the temperature can be displayed for 15 seconds by pressing  twice.

### Please note!

Brief power interruptions will be bridged by the module timer. All symbols will flash on the display after an extended power failure. The module clock will have to be totally reset.

The time and weekday are permanently displayed when the ignition is switched on. Their display is switched off after 15 seconds if the ignition is switched off.

Operation with radio remote control is possible with an additional facility (receiver module).

If a fault arises while the heating is on and when a diagnosis line is connected, then the operating display  will flash and the Code No. of the fault will be displayed (consult an authorised workshop).

On road tankers equipped in conformity with ADR / ADR99, the module timer is only used to switch the heating on and off. The time does not have to be set in order to start the heater.

Continuous heating

or heating for a limited period are possible.

As a result of statutory requirements the following functions cannot be activated:

1. Preselecting heater operation with the module timer.
2. Operation with the radio remote control.
3. Connecting an outside temperature sensor.