Easystart Timer – Workshop Menu

- Familiarization
- Workshop Menu
- Fault Codes
- Settings

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1 **Program symbol**
2 **Heat symbol**
3 **Fan symbol**
4 **Current time**
5 **Temperature (Optional)**
6 **Menu selection button**
7 **Enter / "ON"**
8 **Exit / "OFF"**
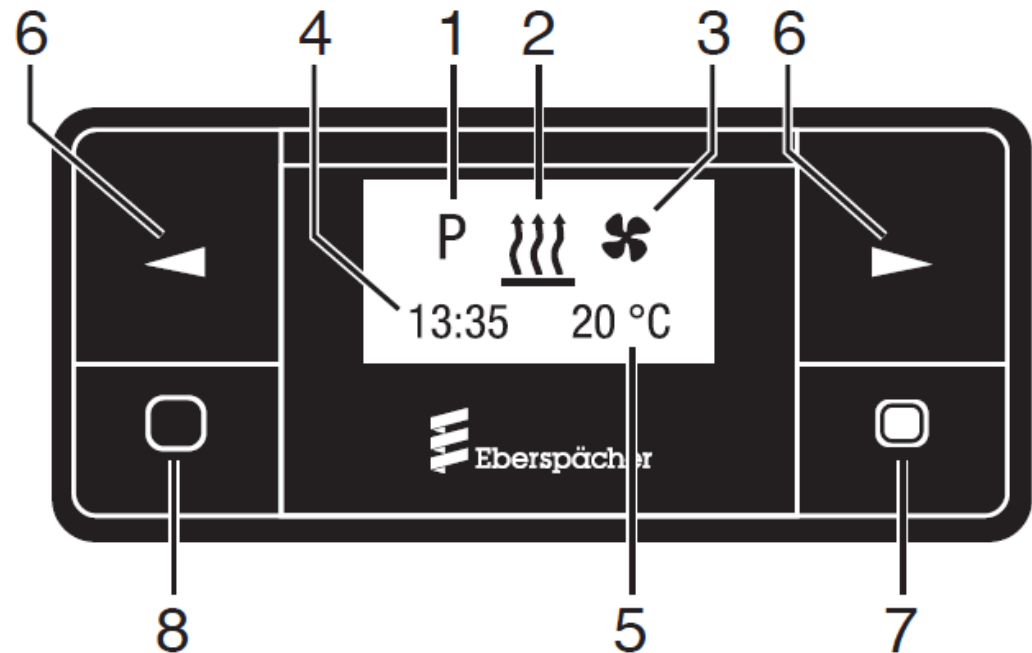
Notes – #7 and #8
- "short press" (less than 2 seconds) : #7 enter (yes/confirm); #8 Exit
- "long press" (more than 2 seconds) : #7 on; #8 off
- This is important for menu navigation and settings

FLASHING SYMBOL / FLASHING VALUE

In the Main menu a flashing symbol in the Menu bar is activated with the [▣] button.

In the submenu a flashing value can be confirmed or a selection made using the [◄] or [►] button.

Main Menu

1. Use the selection buttons (arrows) to highlight (flashing) menu choice.
2. Confirm choice with the "enter" button (#7).

Sub Menu

1. Use the selection buttons (arrows) to change the flashing value.
2. Confirm choice with the "enter" button (#7).

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Note:
Changes to control parameters remain unless the defaults are activated. (Menu 5)
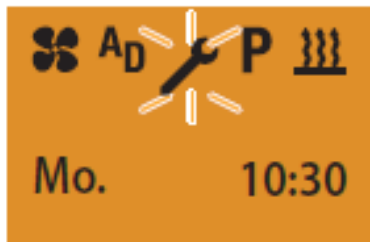
PLEASE NOTE!

- A reset (remove 5A fuse) is necessary to activate some functions. To do this, not and follow the relevant note under "Comments" of the "Service functions overview".

- To correct the fault, refer to the heater's repair instructions.

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Display On

Use the ◀ or ▶ button to select the 🔧 symbol in the Menu bar.

88 A_D 🔧 P ♨

Mo.   10:30

Confirm the SETTINGS menu item by pressing the ▣ button.

🔧

◀ 12/24 🕐 Mo ▶

Press the ▣ LONGPRESS button for longer than 5 sec.; the Workshop menu is displayed.

P ♨ 88
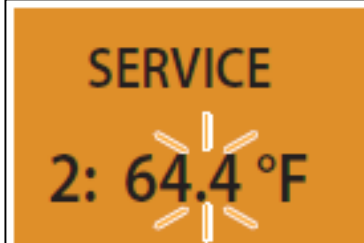13:35   20 °C

Note:
You are long pressing button #8

Scroll through Menu Items

SELECTING THE TEMPERATURE UNITS – ITEM 2:

Default: °C

Use the ◄ or ► button to select Item 2: and confirm by pressing the ▣ button.

Use the ◄ or ► button to select the temperature units °C or °F.

SERVICE

2: 18 °C

SERVICE

2: 64.4 °F

Press the ▣ button to confirm the selection.

Easystart Timer
Workshop Menu

Menu Item	Service Function	Comments
1.1.1:	Heater 1 – display current fault	The heater must be switched on to detect current faults. "no diag" is displayed if no diagnostics cable is connected.
1.1.2:	Heater 2 – display current fault	The heater must be switched on to detect current faults. "no diag" is displayed if no diagnostics cable is connected.
1.2.1:	Heater 1 – read out fault memory F1 – F5	Display fault memory F1 – F5 with error code, e.g.: F1: 12. "no diag" is displayed if no diagnostics cable is connected.
1.2.2:	Heater 2 – read out fault memory F1 – F5	Display fault memory F1 – F5 with error code, e.g.: F1: 12. "no diag" is displayed if no diagnostics cable is connected.
1.3.1:	Heater 1 – delete fault memory F1 – F5	Select the delete → function by pressing the ▣ button, the DEL display appears, flashing, press the ▣ button to confirm. "no diag" is displayed if no diagnostics cable is connected.
1.3.2:	Heater 2 – delete fault memory F1 – F5	Select the delete → function by pressing the ▣ button, the DEL display appears, flashing, press the ▣ button to confirm. "no diag" is displayed if no diagnostics cable is connected.
1.4.1:	Heater 1 – read out operating hours counter	Operating time is displayed in minutes. "no diag" is displayed if no diagnostics cable is connected.
1.4.2:	Heater 2 – read out operating hours counter	Operating time is displayed in minutes. "no diag" is displayed if no diagnostics cable is connected.

Easystart Timer
Workshop Menu

Eberspächer

Menu Item	Service Function	Comments
2:	Select temperature unit, °C or °F	Default: °C
3.1:	Set the undervoltage limit (EasyStart Timer only)	Default: 8 volt, Setting range: 8 – 28 volt in 0.1 volt increments.
3.2:	Set the undervoltage limit "offset" (EasyStart Timer only)	Default: 0 volt, Setting range: 0 – 6 volt in 0.1 volt increments.
3.3:	Set the "fault detection" debounce time (EasyStart Timer only)	Default: 20 seconds, Setting range: 5 – 255 seconds in 1 second increments.
4.1:	Heater 1 – set max. operating time (EasyStart Timer only)	Default: 120 min. Setting range: 10 – 120 min. in 1 min. increments, from the 120th min. – 720 min. in 5 min. increments. Continuous heating mode is also possible for air heaters. These settings have no effect on the operating time for timer programming.
4.2:	Heater 2 – set operating time (EasyStart Timer only)	Default: 120 min. Setting range: 10 – 120 min. in 1 min. increments, from the 120th min. – 720 min. in 5 min. increments. Continuous heating mode is also possible for air heaters. These settings have no effect on the operating time for timer programming.

Easystart Timer
Workshop Menu

Menu Item	Service Function	Comments
5:	Reset to as delivered condition	Press the ▣ button to select the function, the default display appears, flashing, press the ▣ button to confirm. All active timers are deleted.
6.1:	Read out control unit hardware version	Function is intended for internal purposes only.
6.2:	Read out control unit software version	Function is intended for internal purposes only.
8:	Select language, DE or EN	Default: EN
9:	Set upgrade box mode, On or Off	Default: Off A reset must be performed to activate the function (remove fuse).
10:	Select start time (On) or departure time (Off)	Default: Off (departure time) The departure time (Off) is absolutely necessary for heating mode with automatic operating time calculation (Item 11.1:). For heating mode without automatic operating time calculation (item 11.1:) it is possible to choose between start time (On) and departure time (Off). A reset must be performed to activate the function (remove fuse).

Easystart Timer
Workshop Menu

Menu Item	Service Function	Comments
11.1:	Set automatic operating time calculation, On or Off	Default: Off A temperature sensor must be connected to the control unit or stationary unit. Additional settings are required, see Item 11.2: and 11.3: A reset must be performed to activate the function (remove fuse). Automatic operating time calculation is not possible for air heaters.
11.2:	Set the engine size (cubic capacity)	Default: 1800 cm³ Setting range: 1000 cm³ – 4000 cm³ in 100 cm³ increments. The engine size can only be set if 11.1: is set to On.
11.3:	Set the max. operating time	Default: 60 min, Setting range: 10 min. – 60 min. in 1 min. increments. The max. operating time can only be set if 11.1: is set to On.

12.1:	Set add-on unit AD, On or Off	Default: Off
		Selection options:
		1. Via JE diagnosis → display flame and ventilate symbol (if supported by the heater) in the AD menu.
		2. Via switch-on signal S+2 (deactivated 1.2.2:, 1.3.2:, 1.4.2:, 9:)
		    → S+2 (display only flame symbol and AD heat menu visible).
		3. Via the switch-on signal of the first heater S+1 (deactivated 1:)
		    → S+1 (display heat menu only).
		    A reset must be performed to activate the function (remove fuse).

12.2.1:	Room temperature control, On or Off	Default: Off
12.2.2:	Hysteresis (On / Off difference): 0 – 7 °C	Default: 2 °C
12.2.3:	Sampling rate: 0 – 15 seconds	Default: 5 seconds

Easystart Timer
Workshop Menu

Menu Item	Service Function	Comments
13.1:	Select KL58 or KL15 mode	Default: KL58. Input KL58 = control background lighting of control unit. A reset must be performed to activate the function (remove fuse).
13.2:	If KL15 mode is active	Default setting: 15 min. Set afterrun time of heater until shutdown. Setting range: 1 – 255 min Value 0 = heater always remains in continuous operation.
14.6:	Show display contrast	This function can be used to change the contrast of the display. **PLEASE NOTE!** It is also possible to reduce the contrast to such an extent that the screen display is no longer visible. With each PowerOnReset (remove fuse) the contrast is reset to the as-delivered condition.

Note
Menu Items 14.1 to 14.5 are for testing

Thank You

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