timer kit

mini
Your Ideal installation and user guide

C24/C28/C32

i Ideal *BOILERS*

ENGINEERED FOR PEACE OF MIND

DIGITAL PROGRAMMER

Installation instructions

| ⚠ | **WARNING** |

The installation of this device must be carried out by a qualified person who will be responsible for observing the current Regulations.
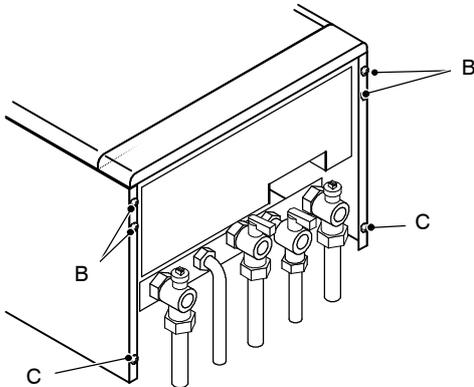
ALWAYS switch off and disconnect the electricity supply to the appliance before installing the programmer. Switching the boiler on/off switch 'off' may leave a live feed to the boiler.
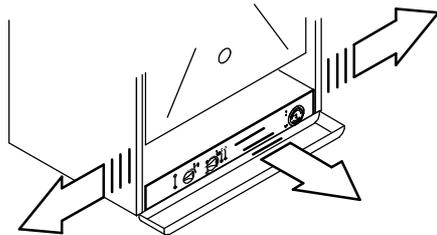
To install the programmer:

1   Remove the screws A and lift off the boiler front panel.
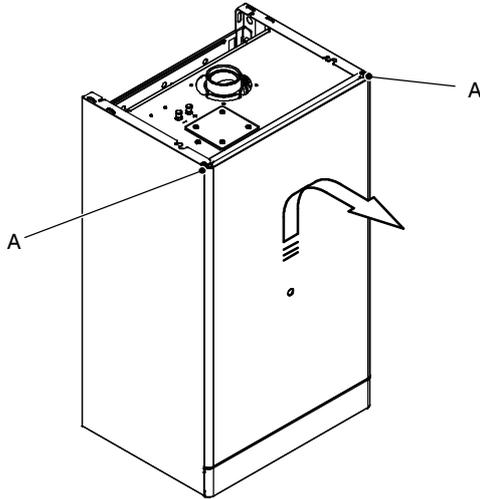
2   Remove the screws B.

3   Loosen the screws C.

4   Remove the side panels or move the lower part of the side panels and pull the control panel.

When completely pulled out, the panel can rotate 45° downwards to facilitate access to the internal parts.

5   Remove the screws D and remove the service panel

6   Remove the screws E and remove the control panel lid.

Control panel lid

Service panel
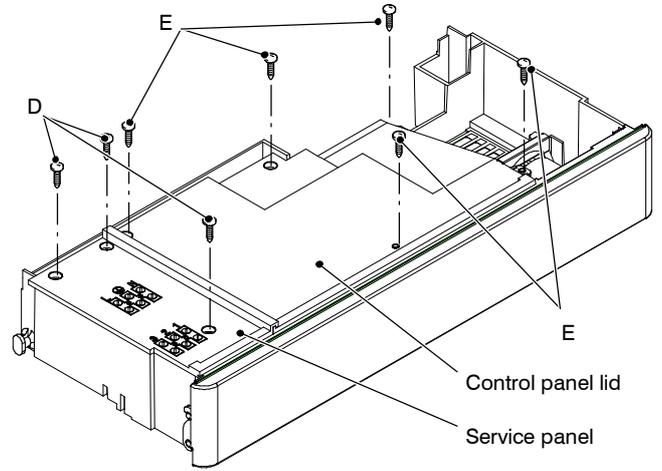
7   Squeeze the hooks that hold in place the infill panel F and remove it.

8   Fit the programmer.
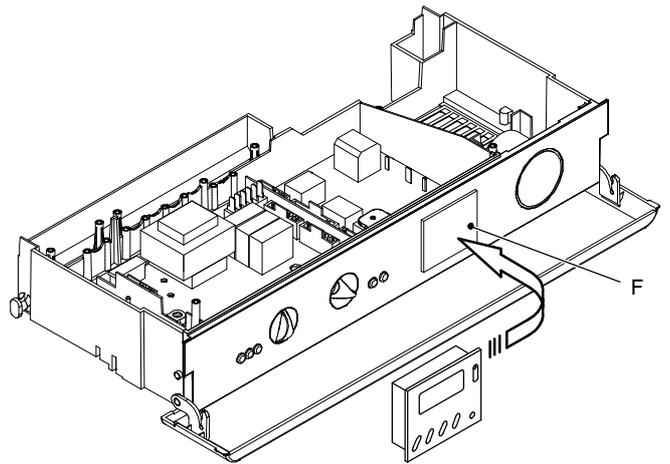
9   Connect the programmer to the main control p.c.b. referring to the following diagram.

Control p.c.b.

Programmer (rear view)

rd
bk
wh
gn

rd = red
bk = black
wh = white
gn = green
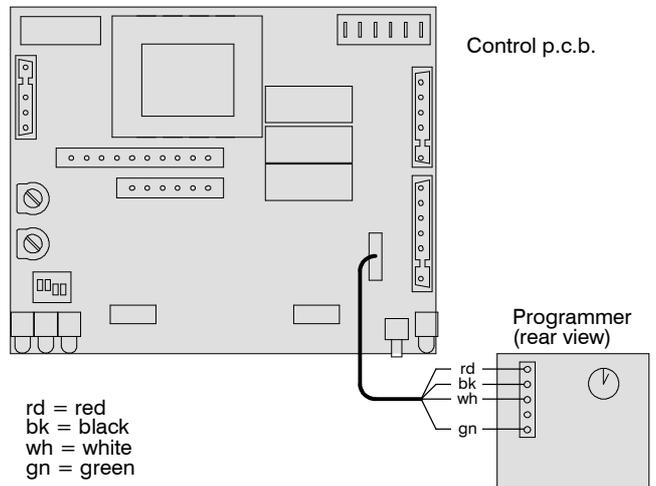
10 Re−assemble the boiler following the steps 1 to 6 in reverse order.

11 Operate the boiler and check for its correct operation.

Operating instructions

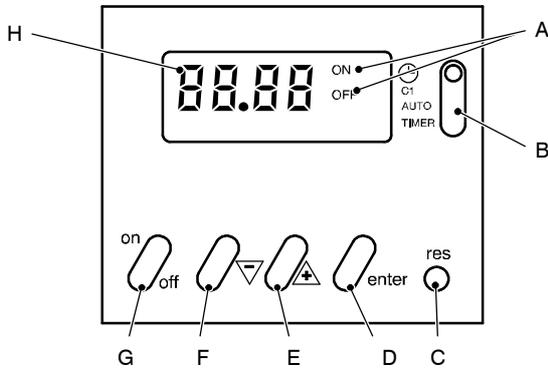The **Mini** combi boilers can be equipped with a 24 hour or a 7 day digital programmer which controls the c.h. operation.

The operating instructions of the 7 day digital porogrammer are given on pages 3 and 4

24 HOUR DIGITAL PROGRAMMER

Display and control panel

A   ON–OFF display

B   Mode selector switch

C   Reset button

D   Enter button

E   Increase "+" setting button

F   Decrease "–" setting button

G   On–off button

H   Time display

Setting the current time

Note: with a new unit or when the reset button C has been pressed and the selector switch B is to the ⏱ position, the time display H is flashing.

Set the mode selector switch B to the ⏱ position and press the buttons E or F until the current time appears in the display H.

The clock starts by moving the switch B to the AUTO position.

Setting example shown in Fig. 1:
Current time 16.30.

Fig. 1

Setting the switching time

20 memory locations are available, corresponding to 10 on–off sequences.

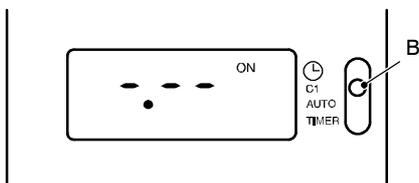Set the mode selector switch B to the **C1** position. The symbols shown in Fig. 2 appear in the display.

Fig. 2

Press the buttons E or F to set the desired ON time.

Press the "enter" button D to confirm the setting and to continue programming the OFF time.

Set the OFF time as explained above for the ON setting and confirm by pressing the "enter" button D. Proceed in the same way for other settings.

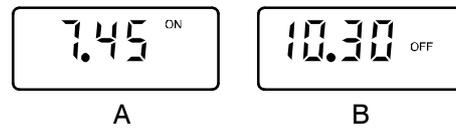Setting example shown in Fig. 3:
A – ON time 7.45
B – OFF time 10.30.

Fig. 3

Activating the timed settings

Set the mode selector switch B to the **AUTO** position shown in Fig. 4.

The current time appears in the display. The ON–OFF display A indicates the current state of operation (according to the settings).
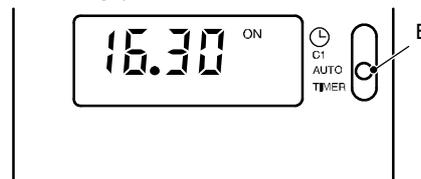

Fig. 4

Note: when the mode selector switch B is in the **AUTO** position and the boiler is switched off at the fused spur isolation switch, the display A indicates only the OFF state. The other indications are blanked.

Reading the timed settings

Set the mode selector switch B to the **C1** position. The symbols shown in Fig. 2 appear in the display.

Press the "enter" button D. Each time the button is pressed the display shows the details of the next setting.

Changing or deleting the timed settings

Set the mode selector switch B to the **C1** position. The symbols shown in Fig. 2 appear in the display.

Press the "enter" button D until the display shows the setting to be modified or deleted.

The time setting can be modified now by pressing button E or F and the operation can be switched on or off by pressing the button G.

To delete a time set press the button E or F until the symbols shown in Fig. 2 appear in the time display H.

The new settigs are memorized by moving the switch B to a different position.

Manual operation

The operation of the time switch can be forced on or off constantly or for a timed period.

To force the timer operation **constantly** on or off, set the mode set the mode selector switch B to the **TIMER** position. The symbols shown in Fig. 5 appear on the display.
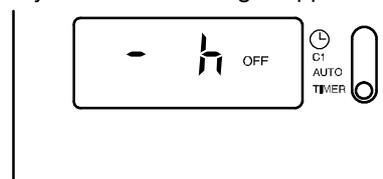

Fig. 5

The operation can be switched permanently on or off by pressing the button G and leaving the switch B in the **TIMER** position.

To force **a timed delay** on or off operation, set the mode selector switch B in the **TIMER** position.

Set the time delay by pressing the button E or F and the operation can be forced on or off by pressing the button G.

The time delay can be set within the following ranges:

1 to 23 hours with steps of 1 hour
1 to 27 days with steps of 1 day

The time delay setting is activated by moving the switch B to the **AUTO** position.
The ON−OFF display A flashes indicating that the current state of operation has been forced.

To delete the timed delay setting, set the mode selector switch B in the **TIMER** position, press the button E or F until the symbols shown in Fig. 5 appear in the display and then set the mode selector switch B to the **AUTO** position

7 DAY DIGITAL PROGRAMMER

Display and control panel

A ON−OFF display

B Mode selector switch

C Reset button

D Enter button

E Increase "+" setting button

F Decrease "−" setting button

G On−off button

H Time display

I Day selection buttons

J Day display

Setting the current time and weekday

Note: with a new unit or when the reset button C has been pressed and the selector switch B is to the ⏱ position, the first day indicator J on the left and the time display H are flashing.

Set the mode selector switch B to the ⏱ position and press the buttons E or F until the current time appears in the display H.
Press the day selection button corresponding to the current day, considering that button 1=Monday, button 2=Tuesday and so on.

The clock starts by moving the switch B to the AUTO position.

Setting example shown in Fig. 7:
Current time 16.30, day Thursday.

Fig. 7

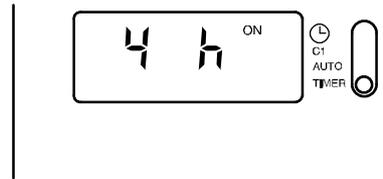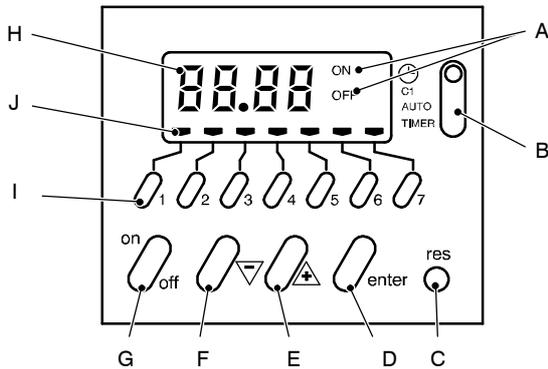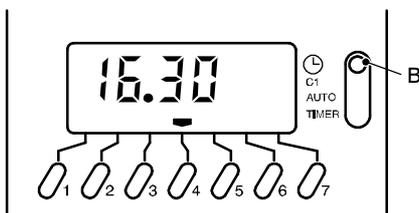Setting example shown in Fig. 6:
forced ON state for 4 hours.

Fig. 6

Resetting

To completely reset the timer, press the reset button with a pointed object (pencil).

CAUTION: pushing the reset button will completely erase the settings as well as all the data, including the current time.

Setting the switching time and day (or days)

20 memory locations are available, corresponding to 10 on−off sequences.

Set the mode selector switch B to the **C1** position. The symbols shown in Fig. 8 appear in the display.
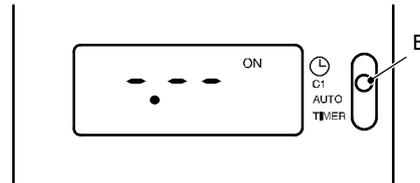

Fig. 8

Press the buttons E or F to set the desired ON time.

Press the buttons I to set the desired day or days of operation.

Press the "enter" button D to confirm the setting and to continue programming the OFF time.

Set the OFF time as explained above for the ON setting and confirm by pressing the "enter" button D. Proceed in the same way for other settings.

Setting example shown in Fig. 9:
A − ON time 7.45, day Monday to Friday.
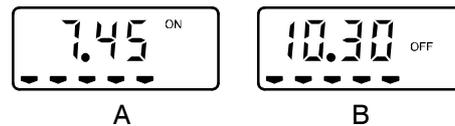B − OFF time 10.30, day Monday to Friday.

Fig. 9

Activating the timed settings

Set the mode selector switch B to the **AUTO** position shown in Fig. 10.

The current time and day appears in the display. The ON−OFF display A indicates the current state of operation (according to the settings).
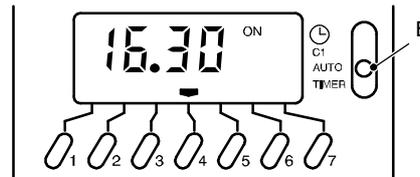

Fig. 10

Note: when the mode selector switch B is in the **AUTO** position and the boiler is switched off at the fused spur isolation switch, the display A indicates only the OFF state. The other indications are blanked.

Reading the timed settings

Set the mode selector switch B to the **C1** position. The symbols shown in Fig. 8 appear in the display.

Press the "enter" button D. Each time the button is pressed the display shows the details of the next setting.

The day display J gives a flashing indication of the active day or group of days.

Changing or deleting the timed settings

Set the mode selector switch B to the **C1** position. The symbols shown in Fig. 8 appear in the display.

Press the "enter" button D until the display shows the setting to be modified or deleted.

The day display J gives a flashing indication of the active day or group of days.

Press the button (or the buttons) I corresponding to the day (or days) for which it is intended to apply the modification. The corresponding day display stops flashing and a new switching time can be set or deleted.

The time setting can be modified now by pressing button E or F and the operation can be switched on or off by pressing the button G.

To delete a time set press the button E or F until the symbols shown in Fig. 8 appear in the time display H.

The new settigs are memorized by moving the switch B to a different position.

Manual operation

The operation of the time switch can be forced on or off constantly or for a timed period.

To force **constantly** on or off the timer operation set the mode selector switch B to the **TIMER** position. The symbols shown in Fig. 11 appear on the display.
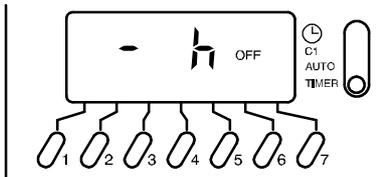

Fig. 11

The operation can be switched permanently on or off by pressing the button G and leaving the switch B in the **TIMER** position.

To force **a timed delay** on or off operation, set the mode selector switch B in the **TIMER** position.

Set the time delay by pressing the button E or F and the operation can be forced on or off by pressing the button G.

The time delay can be set within the following ranges:

1 to 23 hours with steps of 1 hour
1 to 27 days with steps of 1 day

The time delay setting is activated by moving the switch B to the **AUTO** position.
The ON−OFF display A flashes indicating that the current state of operation has been forced.

To delete the timed delay setting, set the mode selector switch B in the **TIMER** position, press the button E or F until the symbols shown in Fig. 11 appear in the display and then set the mode selector switch B to the **AUTO** position

Setting example shown in Fig. 12:
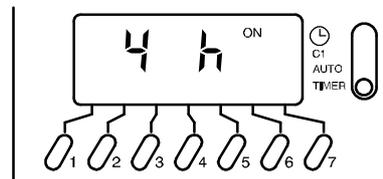forced ON state for 4 hours.

Fig. 12

Resetting

To completely reset the timer, press the reset button with a pointed object (pencil).

CAUTION: pushing the reset button will completely erase the settings as well as all the data, including the current time and day.