auroMATIC 560 solar control - user guide

Common symbols that you may see on the display.
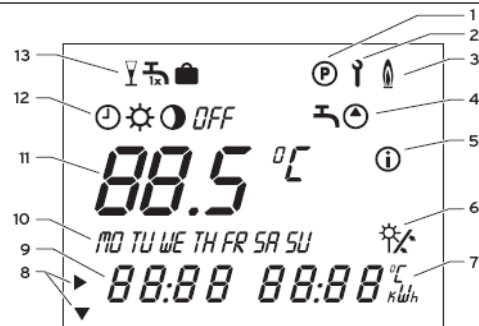
i	Information button
F	Special functions button
P	Programming button
Dial	Turn and click

Please note that your solar system has a number of temperature sensors fitted that will automatically run the system to make the most of any available solar gain to heat your hot water system. The control will also time when your auxiliary heat source (boiler) will operate if it is required in order to bring your hot water up to the desired temperature.

Key
1 Programming level
2 Service/diagnostics level
3 Boiler timed to be ON
4 Symbol showing what is being programmed.
5 "**i**" = Info level
6 Solar yield. This symbol flashes when the solar system is operating and heating your cylinder.
7 Solar gain or temperature. This is the energy you have gained from the Sun in kW, or temperature of panels in deg C when operating.
8 Cursor to indicate parameter being changed.
9 Time of day or ON / OFF times
10 Days of the week

Operation.

As soon as your solar system has been commissioned by your installer it will automatically add any available solar yield (see 6 and 7 above) to your hot water system. However in order to maximise your solar gains the auroMATIC 560 controller should be used to set the times and temperatures you require for heating your hot water system by an auxiliary means, such as a Vaillant boiler.

The auroMATIC display shows by default the current hot water cylinder temperature in ^{0}C (the example above shows 37.0 ^{0}C). Above this is the current "Mode" shown by the use of small symbols. The clock symbol meaning the control is set to operate in timer mode, whilst the moon symbol shows that current time period is OFF.
If a Sun symbol were showing this would be indicating an ON period and this may be accompanied by a flame symbol meaning that the boiler will come on if required.
Beneath the temperature figures it also shows the day of the week and current time of the day.
At the bottom right the temperature of your solar panels can be seen with a solar yield symbol above it. This solar yield symbol will flash at any time if the solar system is pumping solar heat into your hot water cylinder.

To set current time Use the Dial - Each press will be indicated by a "Click"
Press Dial TWICE – Turn to select day of the week (will flash) – press Dial again and turn to select correct hour – press Dial again to select correct minute. - Current time is now set and display returns to normal.

To set a new Hot Water Target Temperature.

Turn the Dial and it will display the set temperature you would like your hot water cylinder to reach when heated by auxiliary means such as your boiler.
After 4 seconds the display will flash five times and then return to the normal display. If you want to change this set temperature turn the Dial **during the flashing period**. The temperature that you leave on the display will be accepted as the new required cylinder temperature and the display will return to normal after four seconds.

For full details about your solar control see installation and user instructions supplied with your system.

"**i**" **Button**
Information.

In this mode NO changes can be made. Each press of the button will cycle through the parameters that the controller has been set to.
1 = Current cylinder set temperature with solar gain to date in kW shown bottom right.
2 = SP1 Cylinder temperature –Top sensor.
3 = SP2 Cylinder temperature – Bottom sensor.
4 = KOL 1 The solar panel temperature.
5 = K1 P Solar pump 0= OFF 1 = ON
6 = H1 settings each subsequent press cycles through the days of the week. This will then continue on showing day and time setting for any auxiliary pump that the system may have connected to it.

Automatically returns to normal display after four seconds

"F" Button
Special functions.

One press will "Override" the control setting in an OFF period. After ten seconds display will return to normal. This will keep hot water system "ON" until next programmed switching time.
Party glass will be shown at top of display
Pressing "F" once again will de-activate this mode

Two presses will give your system a "One time only" hot water boost, bringing the cylinder up to your set temperature. Once this has been achieved the system will revert back to timed OFF.
The tap symbol with 1x beneath it will be shown.
Pressing "F" once again will de-activate this mode
The display automatically returns to normal after ten seconds.

Three presses would enable the setting of "Holiday" mode at which point turning the dial will scroll through the number of days you will be away. The setting is activated after ten seconds and display automatically returns to normal. The system will be OFF until the normal time on your day of return.
Should you require to turn this off manually then just press the "F" button and this will re-activate the boiler under normal control after three seconds.
The suitcase symbol will be shown during a "Holiday" mode period.

"P" Button
Programming

Use this to change the programmed On and OFF times for auxiliary heating of your cylinder
Press once to go to programming mode. Here you will see the tap symbol flashing.
Rotating the Dial will alternate between hot water or auxiliary pump setup.
Each subsequent press will move the cursor to the parameter that can be changed
Press the Dial – cursor will move to H1.
Press the Dial, days of the week will be flashing. By rotating the dial you can select whether to set times for individual days, all seven days at once or Monday to Friday with different times for Saturday and Sunday.
Press the Dial with your selection
The "ON" time hours will be flashing – rotate Dial and press for your selection. The "ON" time minutes will be flashing – Rotate Dial and press for your selection
The "OFF" time hours will be flashing – Rotate Dial and press your selection. The "OFF" time minutes will be flashing – rotate Dial and press for your selection

Repeat as necessary for all programming times.

When you return to the tap symbol flashing and you press the Dial again at H1, rotating the Dial will allow a second ON / OFF sequence H2 to be programmed in the same way as above.
This can then be repeated for a final third period, which will be H3 again as above.

When complete - Press the "P" button. The display will return to normal and you have completed the setup of your solar controller.

Mode of Operation

By pressing the Dial and rotating different modes for the auxiliary heating source (boiler) can be selected.

Clock will give control at the times you have set.

Sun will put system "ON" constant with no response to times programmed into control.

Moon will put system "OFF" with no response to times programmed into control.

OFF will keep auxiliary heat source and solar pump off, only the control runs maintaining display and settings.

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