SOLARFOCUS

Biomasseheizungen | Wärmepumpen | Solaranlagen

mySOLARFOCUS-**App** and **Weatherman**-function

Operation manual for the system operator

Read carefully before operating.

DR-0035-EN / v5-260113

1 Content

2 Connecting the boiler control to the internet

The **eco**manager-touch control system allows you to access the control system screens from a mobile device.

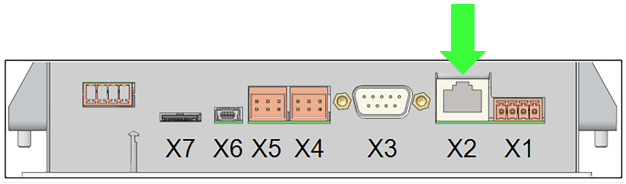
Note - These functions must be installed and configured by the customer, i.e. they are not included in commissioning and service for your SOLARFOCUS system.

Hardware

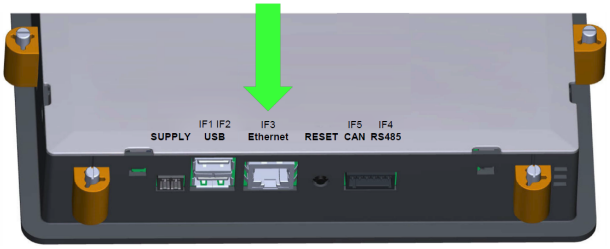
- Connect the cable from the touch display (Ethernet interface on the rear of the display) to the router.

Depending on the product, the connection is located in the following place:

Connection **X2**:
ecoTOPzero/light, **pellet**elegance, **octo**plus, **pellet**top touch, **maxi**mus, **ecoHACK**zero/light, **ecoPELL**zero/light, **vamp**air K, **hydro**modul, **hydro**tower, **eco**manager-*touch*

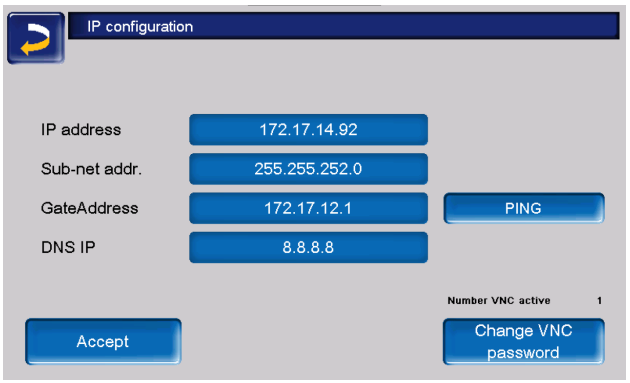


Connection **IF3**:
therminator II touch



IP configuration screen

- Configure the required settings in the control system (IP address, Gateway address, etc.).
- To access the IP-VNC icon, in the control system select
  - ➡ the Selection menu screen
  - ➡ the Customer menu screen
  - ➡ the Qualified personnel button



- Enter the data for your router.
  Recommended procedure:
  - ➡ Select DHCP ON - The IP address is determined automatically.
  - ➡ Toggle DHCP OFF and click on *Apply*.

Note - The IP address may only occur once in an Ethernet network and is dependent on the other network components. Recommendation: Set a fixed IP address once (DHCP OFF), i.e. the control system has a constant IP address.

Integration in the home network is required for the use of all external controls. All apps cannot be setup without this.

Note - The customer is responsible for installing and configuring SOLARFOCUS-*connect* and the mySOLARFOCUS app.

3 mySOLARFOCUS app

The *mySOLARFOCUS app* allows you to use your smartphone to access specific functions of the **eco**manager-touch control system:

- Setting the room temperature and heating circuit flow temperature, including heating times
- Hot water programs, with one-time DHW tank charging
- Display of the solar yield of your solar power system

Note - These functions must be installed and configured by the customer, i.e. they are not included in commissioning and service for your SOLARFOCUS system.

3.1 Requirements for use

- The control system must be connected to the internet.
- Smartphones: Apple (IOS 13.6 or newer) or Android (OS 8 or newer)
- It must be compatible with the **eco**manager-touch control system, software version 16.090 or newer
- We recommend V22.020 for the **eco**manager-touch control system in order to use all features.

Compatible with:

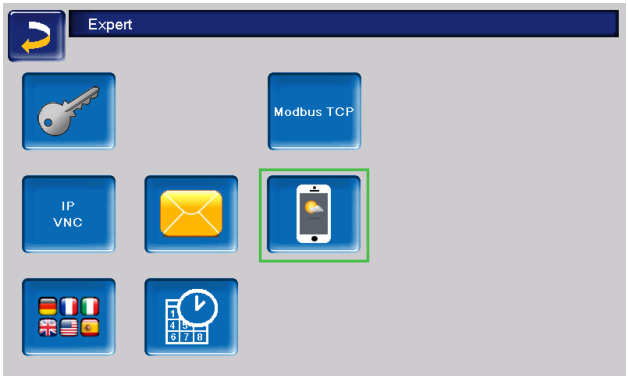
ecomanager-touch control system with 7" display for:

- **vamp**air
- **ecotop**zero
- **pellet**elegance
- **octo**plus
- **pellet**top touch
- **maxi**mus
- **ecohack**zero
- **eco**manager-touch central control system

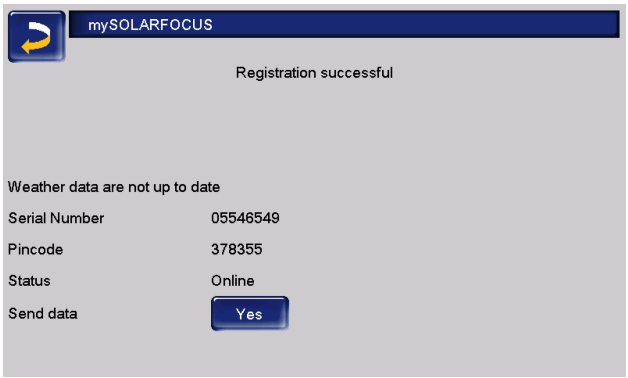
3.2 Registering on the web server

The touch display must be registered on the SOLARFOCUS web server:

▶ Press the *App* button



▶ Press *Accept* to continue
▶ Note the *serial number* and *pin code*
▶ Change the *Send data* parameter to *Yes*.



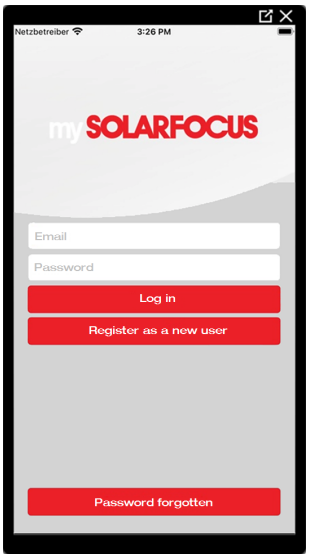
If registration is unsuccessful, check the following:

- Connection from display to router
- Entered IP addresses
- Network router status ...

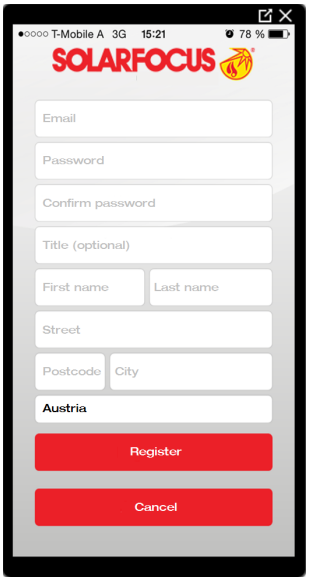
3.3 Installing the app

The mySOLARFOCUS app is available in the Apple Store and the Google Play Store.

▶ Download, install and start the app.
▶ Press the *Register new user* button.



► Enter the required information and press *Register*. An email will be sent to the address you provide.

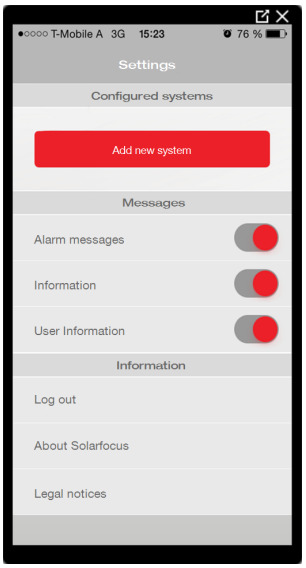


► Open the email and click on the *Confirm account* link. You can now sign in to the app by entering an email address and a password.

3.4 Adding a system

Note - This application only works if you have logged in to the app.

► Press the *Add new system* button.



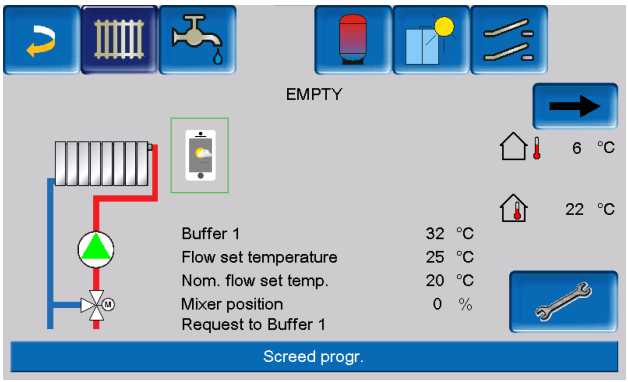
► Enter the serial number and pin code of your heating system.

Note - The weather forecast data for the *weatherman function* are sent to the control system based on the *Postcode* and *Location* fields.

As an alternative to the app, you can also use the website (https://www.mysolarfocus.com) to add a system.

Note - In principle, there can only be one user of the system. If additional users wish to access a system, they must be approved in advance. > 6

3.5 Using the app



In the boiler control system, the app icon indicates that an action taken in the app has changed the parameter:

– In the Heating circuit screen: If *short-term mode* has been activated in the app
– In the Heating circuit screen, in *Room settings*
– In the *Heating curve* screen

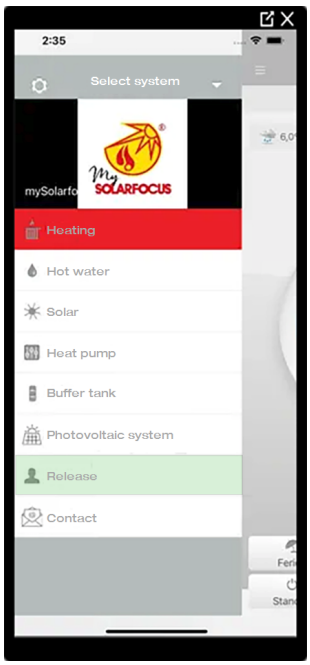
There are the following differences when using the mySOLARFOCUS app:

– Daily operating mode of the heating circuits (by block is not available)
– In the *Fresh water module* screen, the operating mode of the *DHW tank* can be switched to *Always on*, *Always off* or *Daily*. (By block and Monday - Sunday are not available).

3.6 Approving additional users

You can give additional users access to your control system.

► Select the Approval menu item.



► Enter the user's email address and select the Invite button.
The invited user will receive an email with an approval code for the system. They can use this to add the system to their app account.

4 Weatherman function

The **eco**manager-touch control system continuously receives up-to-date weather forecasts. The weather forecast function (= weatherman function) is integrated as standard.

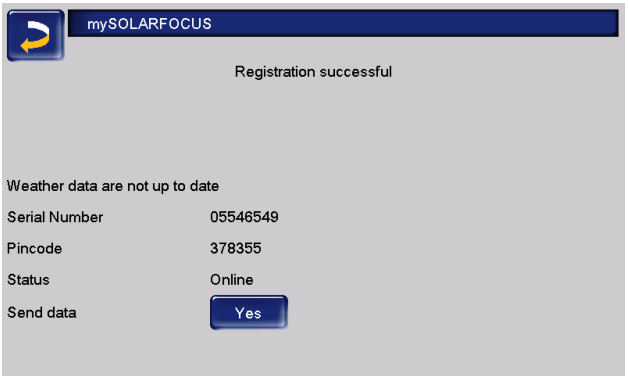
The control system accesses live data from a weather server and uses this to tell the heat pump when to heat - or when to remain inactive if sunshine is expected.

4.1 Requirements for use

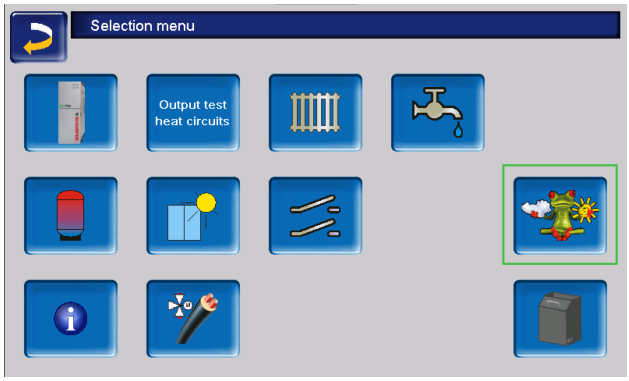
- The control system must be connected to the internet.
- The heat pump must be registered on the SOLARFOCUS website (www.solarfocus.com) or in the mySOLARFOCUS app.

During initialisation, it may take up to 4 hours until the current weather information is transmitted.

You can see if the weather information is up-to-date in the qualified personnel menu of the mySOLARFOCUS app:



► Press the weatherman button to access the weatherman menu.

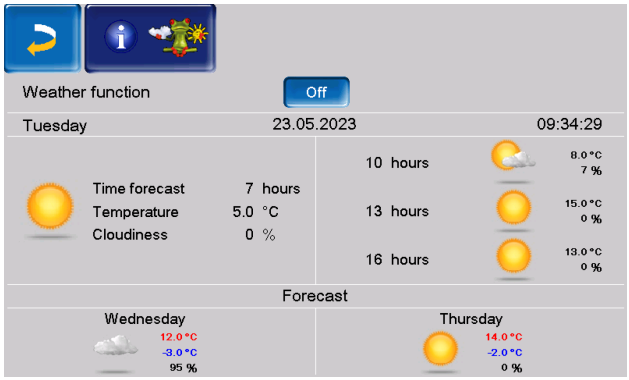


If no connection is made and the weather data are not updated, check the following:

- Is your heating system correctly registered on the SOLARFOCUS website?
- Is the connection status between the control and the SOLARFOCUS web server *online*?
- Is the *Send data* parameter set to *Yes*?

4.2 Information

The *weatherman information* menu visualises the current weather forecast.



Weatherman function

Off: The weather forecast is shown in the display, but does not influence the control system at all.

On: Depending on the weather forecast and the current time and season, the following control systems can be influenced:

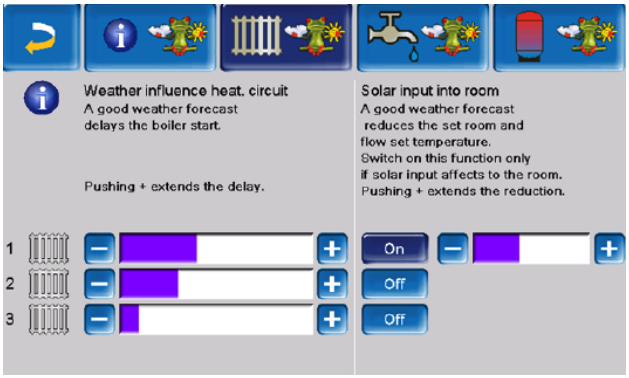
- Weather influence heating circuit
- Sun entering the room
- Weather influence domestic hot water
- Weather influence buffer charging

You can set the degree of influence in all menus using the plus and minus buttons. Changes are made in 10% increments.

- 0% = no influence
- 100% = maximum influence

4.3 Heating circuit

This menu is only visible when a heating circuit is enabled in the control.



Weather influence heating circuit 1

This area is only visible when the heating circuit obtains its energy from a buffer tank enabled in the control.

Activate the *weather influence heating circuit* function only if the buffer tank is connected to a solar power system.

Good weather being forecast delays the start of the burner in the event of a request from the heating circuit. In this way, the thermal solar system has the means and time to charge the tank at a later stage without the boiler having to start.

The maximum possible delay is calculated by an algorithm and depends inter alia on the following:

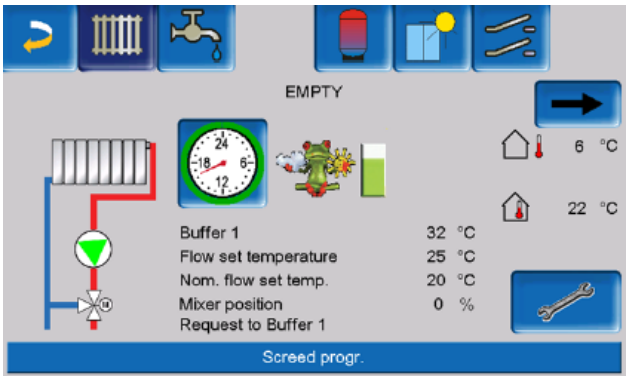
- Weather forecast
- Date and time
- Deviation between actual/required buffer tank temperature
- Duration of buffer tank temperature deviation
- Individual setting influence on weather prognosis

The bar can be used to set the duration of the request delay for each heating circuit individually.

0% = no delay to burner start.

100% = maximum delay to burner start in the event of good weather being forecast.

If the function delays the burner start due to good weather being forecast, then the weatherman icon appears in the main heating circuit menu.



The green collumn symbolizes the delay. When it reaches 100%, the burner starts.

Solar yield in the room 3

Activate this function only if solar radiation directly influences the heating circuit (e.g. solar radiation through a glass panel).

A good weather forecast results in the following:

- The flow temperature of the heating circuit is reduced (within the heating period) to maximum lowering temperature
- The room temperature is reduced (if the *Room effect* parameter is activated in the heating circuit menu)

The bar can be used to set the temperature reduction for each heating circuit individually

0% = no reduction in the heating circuit flow temperature, or the room temperature.

100% = maximum reduction in the heating circuit flow temperature, or the room temperature, in the event of good weather being forecast to maximum lowering temperature

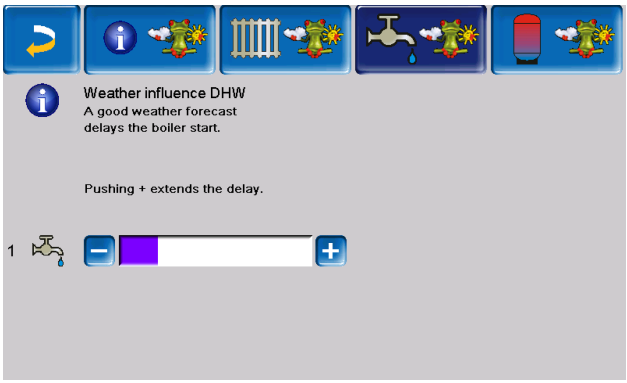
Within the heating period, the heating circuit flow temperature is reduced by a maximum of the *reduction* set on the *heating curve* screen.

Within the heating period, the inside setpoint temperature is reduced as a maximum to the *inside setpoint temperature reduced mode* set on the *heating circuit room settings* screen.

If the *Solar yield in the room* function reduces the temperature(s) due to good weather being forecast, then the weatherman icon appears in the main heating circuit menu.

4.4 Domestic hot water

Note - Only activate the weather influence DHW function if the DHW tank / DHW area is heated by a solar energy system, or is charged from a buffer tank that is heated by a solar energy system.



A good weather forecast will delay the start of the heat pump in the event of a request from the DHW tank/drinking water area. This gives the solar thermal system the opportunity and time to charge the buffer tank later without the heat pump having to start.

The maximum possible delay is calculated by an algorithm and depends on factors including:

- Weather forecast
- Date and time
- Deviation between actual/required buffer tank temperature
- Duration of buffer tank temperature deviation
- Individual settings for the influence of the weather forecast

The bar can be used to set the duration of the heat pump start delay for each DHW tank/hot water area individually.

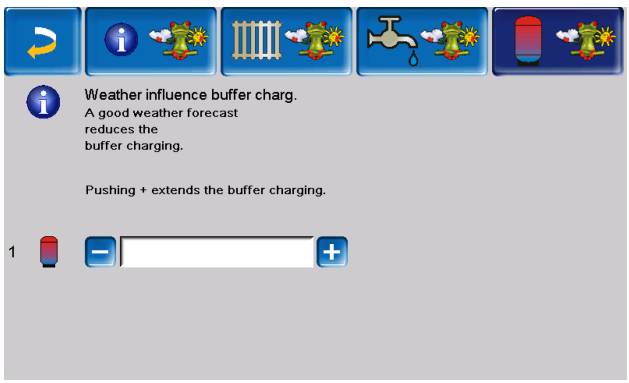
- 0% = no delay in starting the heat pump
- 100% = maximum delay in starting the heat pump if good weather is forecast

If the function delays the heat pump start because good weather is forecast, the weatherman icon will appear in the main DHW circuit menu.

The green column indicates the delay. When 100% is reached, the heat pump starts.

4.5 Buffer tank charging

This menu is only visible if a buffer tank has been enabled in the control system by qualified personnel.



If good weather is forecast, the buffer tank is charged for a shorter time within the release time.

This gives the solar thermal system the opportunity and time to charge the buffer tank later without the heat pump having to start.

The maximum possible delay is calculated by an algorithm and depends on factors including:

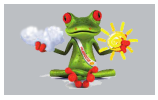
- Weather forecast
- Date and time
- Deviation between actual/required buffer tank temperature
- Duration of buffer tank temperature deviation

- Individual settings for the influence of the weather forecast

The bar can be used to set the level of influence for each buffer tank individually.

- 0% = if the heat pump has started and the buffer tank is within a time release, the buffer tank is completely charged. The charge request is fulfilled when the *bottom buffer tank temperature* has reached the *maximum bottom buffer tank temperature* (in the buffer tank main menu).
- 100 % = if the heat pump has started and the buffer tank is within a time release, the buffer tank is **not** completely charged. The charge request is then already fulfilled once the bottom buffer tank temperature has exceeded the *minimum top buffer tank temperature* (in the buffer tank main menu).

If the function does not allow the buffer to be fully charged by the heat pump because the weather forecast is good, the weatherman symbol appears in the buffer tank main menu.



SOLARFOCUS

Biomass heating | Heat pumps | Solar systems

Pellet boiler

ecotopzero:	15 to 24 kW
pelletelegance:	15 to 24 kW
octoplus:	15 to 22 kW
pellettop:	35 to 70 kW
ecoPELL:	50 to 120 kW
maximus:	150 to 300 kW

Dual fuel boiler for wood and pellets

therminator II combi:	22 to 60 kW

Log wood boiler

therminator II SH:	18 to 60 kW

Wood chip boiler

ecoHACK:	30 to 120 kW
maximus:	150 to 250 kW

Air source heat pump

vampair PRO 08 - 10
vampair PRO 12 - 15
vampair PRO 20
vampair ECO 08 - 12
vampair ECO 15

Solar technology

CPC collector
Sunnyline
SUNeco

Photovoltaics

PV modules
Battery storage
Heat pump and PV

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