heat pump
AIR / WATER

WITH REGULATION
ACOND® THERM
OPERATING MANUAL
ADDENDUM

CONTROL BY SMARTPHONE

1. Explanation of symbols, Documentation validity

1.1 Used symbols

Important information not including either hazards posed to persons or material values are highlighted in blue with the symbol *i*. They are separated from text by commas above and below it.

Warning remarks in the text are indicated by a red warning triangle with a white exclamation point and enclosed by a frame.

1.2 Documentation validity

The instructions contained herein apply for **ACOND®**
air/water and ground/water heat pump models of series EVI, inverter and PRO with **ACOND® THERM** regulation with SW versions 32.0 and 62.0, as well as 90.91 and 140.18 and greater. If these instructions are not followed during installation, operation and maintenance, then the obligations of **ACOND a.s.** stemming from the terms of the warranty shall cease to apply. **ACOND a.s.** hereby reserves the right to make changes to any parts of the documentation and specifications without prior notice.

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2. Mobile app ACOND®Therm basic

The ACOND®Therm basic mobile app handles remote access for control of heat pumps supplied by Acond a.s. It is available from the AppStore and GooglePlay.

Main functions of app:

- Displaying the heat pump status
- Displaying and changing the temperature in the reference location, hot service water and domestic hot water
- Switching the operating mode between summer and winter
- Switching solar mode on and off
- Switching the pool heating mode on or off, displaying the temperature
- Changing required temperatures for the specified components
- Displaying and changing the type of regulation, switching modes and switching the pump on and off

This documentation contains only expanded instructions for controlling the heat pump using a smartphone! We recommend that you first read the **Operating Manual** for the Acond heat pump to which this documentation refers.

2.1 Operating system requirements

If the ACOND®Therm basic mobile app will be used on a smartphone with Android, then Android 5.0 or higher must be installed. For smartphones running iOS, iOS version 10.0 or higher must be installed.

2.2 User login

Figure 1: Login page

In order to monitor and control the Acond heat pump via a smartphone, it is first necessary to log into the application. **On the login page, enter the same user name (login) and password that you use to access the web app** (the login details that you received before first logging into the heat pump via the internet).

2.3 Main page

After successful login, a site map will appear (*see figure 2*) enabling selection of additional pages and quick view of the heating status. Click on individual windows to select the system function that you want to change or monitor. **Only functions (areas) with which your heating system is installed will be displayed.**

The **Heating** area makes it possible to change the required temperature in a location, the **Return water** function sets the required temperature of domestic hot water when the Standard Regulation is selected (see the Operation Manual), **Boiler** displays/changes the temperature of service water, and **Pool** and **Solar** control components related to pool heating or use of a solar panel. The **Operation** area makes it possible to switch between summer and winter modes of the heat pump (see Operating Manual).

If cooling is installed and the cooling mode is set, then instead of the temperature in the room the output temperature will be displayed from the heat pump.

The bottom section of the page in the entire app is constant and will not change. The exterior temperature in the heat pump installation location and the symbol of the small house that enables return to the main page will be displayed - site map.

The bubble with the question mark will display a quick help menu for individual parts of the page.
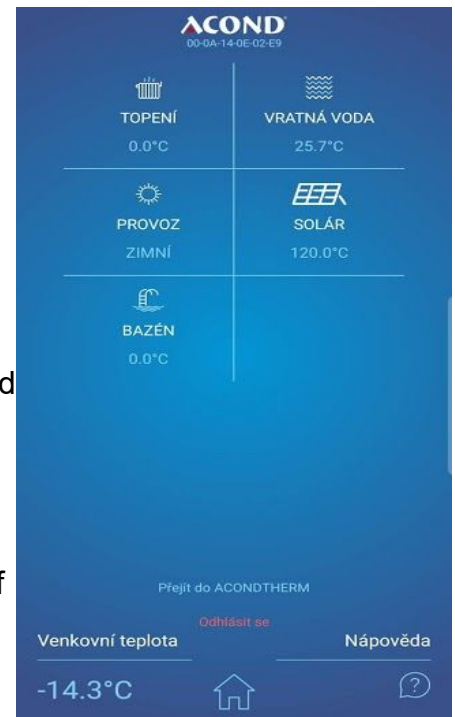

Figure 2: Main page - site map

Switching between individual pages can be done by swiping to the page or clicking on the arrow in the upper section of the page.

Most of the pages have **a round controller**, which enables editing of the displayed value. Editing can be done by dragging the circle with the Acond company logo or clicking on the + and - symbols. Another entry option is clicking on the value inside the circle. A keyboard will appear, where the exact changed value can be entered.

2.4 Heating/cooling

After clicking on the Heating area, a page will appear showing the status of the heating system and exterior unit. In the top section of the page, the **running mode** of the heat pump can be changes (a description of modes can be found in the Operating Manual The round controller makes it possible to change the required temperature in a room. If the heating system has two heating circuits, the Heating page will be duplicated, and each heating circuit will have its own round controller.

Below the round controller, the current temperature in the reference room is displayed, and below it it is possible by clicking on the arrows **< >** to change the type of regulation that calculates the temperature necessary for heating the premises. (See the Operating Manual for more details.)

If **cooling mode** is installed, the symbol **CHL** for cooling mode will appear in the top line indicating modes. If this mode is selected, then instead of the required temperature in the room, the temperature of cooling water will be displayed, and the round controller will be used to change the required temperature of cooling water.

Below the regulation type selection, there is a panel displaying **the status of individual components** of the heating system. Illustrating icons (from the left): compressor, ventilator, circulation pump for the primary

Figure 3: Heating

circuit, defrosting, secondary (heating) circuit circulation pump, ongoing heating of service water, running of back-up (bivalent) source. The displayed symbols are similar to the icons used in the detailed Operating Manual, which contains a more detailed description of individual components.

2.5 Boiler

Clicking on the Boiler area displays a page with the temperature of the hot service water in the boiler. In the middle of the round controller, the required temperature of the service water is displayed, and in the bottom part the momentary water temperature in the bottom of the boiler.

2.6 Return water

The return water area contains a round controller for entering the domestic hot water temperature (the temperature of water returning from the heating system). If the STANDARD type of regulation is selected, the value in the middle of the controller can be edited, and if another type of regulation is selected or it is summer, then text will appear informing that the value cannot be changed.

Below the round controller, the momentary temperature of domestic hot water is displayed (the temperature of water returning from the system), and below that value it is possible to use the arrows **< >** to change the type of regulation. (For a description of types of regulation, see the Operating Manual.)

Figure 4:
Return water

2.7 Operation

The Operation page displays the current status of the system depending on the season. The round controller is split in two halves, in which sun symbols are displayed for summer operation and a snowman is displayed for winter operation (*see figure 5*). Clicking on the inactive grey part of the controller changes the mode. More details regarding summer and winter operation can be found in the Operating Manual

Below the round controller, the current temperature in the room is displayed.

Figure 5:
Summer/winter operation

2.8 Swimming pool

The area of the pool serves for operating of pool water heating (*see figure 6*). The page again contains a round controller with the option of setting the required water temperature in the pool, and below the round controller the momentary water temperature in the pool is displayed. Above the round controller, the water heating mode can be switched off.
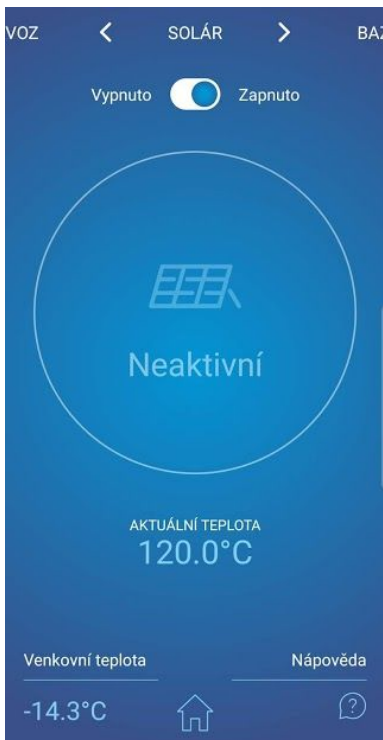

Figure 6: Pool heating

Figure 7: Solar panel control

2.9 Solar

After clicking on "Solar" a page will appear displaying the status of the solar panel (*see figure 7*). In the upper part of the page, the pump ensuring the circulation of the solar solution in the solar panel can be switched off. In the round controller, the running and/or stoppage of the circulation pump will be displayed, and in the bottom section the momentary temperature of the solar solution in the panel will be displayed.