

Viessmann One Base

Release notes for heat pumps and hybrid appliances with Viessmann One Base

Update 10/2025

Update 4/2025

Update 12/2024

Update 4/2024



Viessmann One Base



Safety instructions

Safety instructions

 Please follow these safety instructions closely to prevent accidents and material losses.

Safety instructions explained

Danger

This symbol warns against the risk of injury.

Note

Details identified by the word "Note" contain additional information.

Danger

Installation, commissioning, inspection, maintenance and repairs must only be carried out by an authorised, competent person (heating engineer/installation contractor). If work is not carried out professionally, there is a risk to people and property.

- Observe the safety instructions contained within the product documentation.
- The connection and wiring diagram is enclosed with the product documentation.

Safety instructions for working on the system

Working on the system

Isolate the system from the power supply, e.g. by removing the separate fuse or by means of a main switch, and check that it is no longer live.

Safeguard the system against reconnection.

Wear suitable personal protective equipment when carrying out any work.

Repair work

Repairing components that fulfil a safety function can compromise the safe operation of the system. For replacements, use only original parts from the manufacturer or spare parts approved by the manufacturer.

Install the components with new gaskets.

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Software versions

Update the software if the current software version of a device is **lower** than the software version in the table for the communication modules/devices.

The current software version can be queried via 2 user interfaces:

- HMI programming unit of the heat pump
- ViGuide app

Showing the software version on the display

In the delivered condition, "viservice" is preset as the password for accessing the "Service menu".

Tap the following buttons:

1. 

2.  "Service"

3. Enter the password "**viservice**".

4. Use  to confirm.

5. "**Devices detected**".

Showing the software version in the ViGuide app

See www.viguide.info.

Meaning of displayed software versions

Example: 0010.**0513.2437.0003**

- 0513 = software version number 513
- 24 = the year 2024
- 37 = calendar week 37

Update 10/2025

Current software versions

Display software versions: See chapter "Software versions".

Communication module/device	Software version update 10/2025
TCU 300 communication module (0010 TCU)	0010. 0516.2531.0003
HPMU electronics module (0020 HPMU)	0020. 0516.2532.0307
VCMU refrigerant circuit controller (0021 VCMU)	0021. 0516.2527.0211
EHCU electronics module (0040 EHCU)	0040. 0515.2509.0161
HMI programming unit (0071 HMI)	0071. 0516.2527.0002
TCU 300 communication module (0068 TCU)	0068. 0516.2531.0003

Update 10/2025 (cont.)

Release notes: What's NEW?

Status before update	Change	Appliances
—	<p>Support for the new indoor units with adjusted hydraulics for heat pumps in monoblock design:</p> <ul style="list-style-type: none"> ▪ IDU-A, type ...-V052: Wall mounted indoor unit with integral expansion vessel for direct connection of 1 heating/cooling circuit/external buffer cylinder ▪ IDU-A Modular, type ...-V051: Wall mounted indoor unit without integral expansion vessel for direct connection of 1 heating/cooling circuit/external buffer cylinder ▪ IDU-A Compact, type ...-V053: Floor-standing indoor unit with integral DHW cylinder for direct connection of 1 heating/cooling circuit/external buffer cylinder ▪ IDU-A Hybrid, type ...-V054: Wall mounted indoor unit with connection for direct heating water supply of an external heat generator <p>Note</p> <ul style="list-style-type: none"> ▪ <i>New indoor units are recognised automatically. No special settings are required.</i> ▪ <i>The existing indoor units will continue to be supported.</i> 	<ul style="list-style-type: none"> ▪ Vitocal 150-A ▪ Vitocal 150-A Modular ▪ Vitocal 150-A Compact ▪ Vitocal 150-A Hybrid ▪ Vitocal 250-A ▪ Vitocal 250-A Modular ▪ Vitocal 250-A Compact ▪ Vitocal 250-A Hybrid
Some of the texts displayed in the HMI programming unit do not correspond to the texts used in other apps or publications.	Some display texts in the HMI programming unit amended	All heat pumps/hybrid appliances with Viessmann One Base

Status before update	Change	Appliances
<p>Request for room heating via a room thermostat only possible for heating/cooling circuit 1</p>	<p>Request for room heating via a room thermostat is possible for all heating/cooling circuits. The EM-EA1 extension is required for this.</p> <p>Room heating is requested via a potential-free contact, which is connected to the digital inputs of the EM-EA1 extension and to the heat pump control unit as follows:</p> <p>Heating/cooling circuit 1: DI1 of the EM-EA1 extension</p> <p>Heating/cooling circuit 2: DI2 of the EM-EA1 extension</p> <p>Heating/cooling circuit 3: DI3 of the EM-EA1 extension</p> <p>Heating/cooling circuit 4: Digital input 143.2 of the heat pump control unit</p> <p>Note <i>If room heating is only required for 1 heating/cooling circuit, the room thermostat is connected directly to digital input 143.2 of the heat pump control unit.</i></p>	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 150-A Modular ▪ Vitocal 150-A Compact ▪ Vitocal 150-A Hybrid ▪ Vitocal 250-A/252-A ▪ Vitocal 250-A Modular ▪ Vitocal 250-A Compact ▪ Vitocal 250-A Hybrid ▪ Vitocal 250-AH ▪ Vitocal 200-S/222-S ▪ Vitocal 250-SH
<p>External specification of the set flow temperature for the heat pump not possible</p>	<p>The set flow temperature of the heat pump for room heating can be specified via a 0 to 10 V_{DC} voltage signal. The voltage signal is connected to the EM-EA1 extension.</p> <p>Note <i>This function is only available in conjunction with an external buffer cylinder.</i></p>	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 150-A Modular ▪ Vitocal 150-A Compact ▪ Vitocal 150-A Hybrid ▪ Vitocal 250-A/252-A ▪ Vitocal 250-A Modular ▪ Vitocal 250-A Compact ▪ Vitocal 250-A Hybrid ▪ Vitocal 250-AH ▪ Vitocal 200-S/222-S ▪ Vitocal 250-SH
<p>Blocking heating/cooling circuit 2 for heat pumps with 1 integral heating/cooling circuit can be set in the commissioning assistant: Setting has no effect.</p>	<p>Blocking heating/cooling circuit 2 can only be set for heat pumps with 2 integral heating/cooling circuits.</p> <p>If the temperature limiter to restrict the maximum temperature for an underfloor heating circuit responds, room heating for this heating/cooling circuit is switched off.</p>	<ul style="list-style-type: none"> ▪ Vitocal 250-A/252-A ▪ Vitocal 250-A Modular ▪ Vitocal 250-A Compact ▪ Vitocal 200-S/222-S

Update 10/2025 (cont.)

Status before update	Change	Appliances
Smart Grid only possible via potential-free contacts	<p>As an alternative to connection via potential-free contacts, Smart Grid can be activated via EEBUS by Viessmann Energy Management (EMS).</p> <ul style="list-style-type: none"> The output of the heat pump can also be reduced via Viessmann Energy Management (EMS) or the heat pump can be switched off to specifically limit the power requirement in the building. This means that the output of the heat pump can be adjusted depending on the currently available output from a photovoltaic system, so that no electricity is drawn from the grid. To restrict the output of heat pump cascades, the lag heat pumps are switched off and the output of the lead heat pump is reduced. <p>The conditions for restricting the output of the heat pump are set during commissioning via the ViGuide app.</p>	<ul style="list-style-type: none"> Vitocal 150-A/151-A Vitocal 150-A Modular Vitocal 150-A Compact Vitocal 150-A Hybrid Vitocal 250-A/252-A Vitocal 250-A Modular Vitocal 250-A Compact Vitocal 250-A Hybrid Vitocal 250-AH Vitocal 200-S/222-S Vitocal 250-SH
When filling DHW cylinders, the 4/3-way valve automatically moves to the position for filling the next system component after 30 min. As a result, large DHW cylinders may not be completely filled.	The time until the 4/3-way valve automatically moves to the next filling position is 6 h, sufficient to fill even very large DHW cylinders.	<ul style="list-style-type: none"> Vitocal 150-A/151-A Vitocal 150-A Modular Vitocal 150-A Compact Vitocal 150-A Hybrid Vitocal 250-A/252-A Vitocal 250-A Modular Vitocal 250-A Compact Vitocal 250-A Hybrid Vitocal 250-AH
When climate conditions are unfavourable, water vapour that is produced when the evaporator is defrosted freezes on the components of the outdoor unit, e.g. fan ring nozzle.	Optimised defrost process: To remove water vapour, the fan is switched on briefly several times during defrosting, depending on the ambient conditions. This prevents the fan ring nozzle and other components from freezing up.	All heat pumps/hybrid appliances with Viessmann One Base
<ul style="list-style-type: none"> External heat generator is switched on with a delay after the end of a defrost process. In order to ensure the flow rate in the secondary circuit, the 4/3-way valve remains in a position that causes the heat pump to cycle under certain hydraulic system conditions. 	Optimised control behaviour	<p>Systems with external heat generator and the following heat pumps:</p> <ul style="list-style-type: none"> Vitocal 150-A Vitocal 150-A Modular Vitocal 150-A Hybrid Vitocal 250-A Vitocal 250-A Modular Vitocal 250-A Hybrid Vitocal 250-AH
Actuator test for electronic expansion valves not available	<p>Actuator tests for electronic expansion valves added:</p> <ul style="list-style-type: none"> "Electronic expansion valve 1": Set the opening width. "Electronic expansion valve 2": Set the opening width. 	<ul style="list-style-type: none"> Vitocal 150-A/151-A Vitocal 150-A Modular Vitocal 150-A Compact Vitocal 150-A Hybrid Vitocal 250-A/252-A Vitocal 250-A Modular Vitocal 250-A Compact Vitocal 250-A Hybrid Vitocal 250-AH

Current software versions

Display software versions: See chapter "Software versions".

Communication module/device	Software version update 4/2025
TCU 300 communication module (0010 TCU)	0010.0515.2512.0300
HPMU electronics module (0020 HPMU)	0020.0515.2509.0291
VCMU refrigerant circuit controller (0021 VCMU)	0021.0515.2509.0200
EHCU electronics module (0040 EHCU)	0040.0515.2509.0161
HMI programming unit (0071 HMI)	0071.0515.2509.0100
TCU 300 communication module (0068 TCU)	0068.0515.2512.0300

Release notes: What's NEW?

Status before update	Change	Appliances
Parameters not available in parameter group "General"	<p>Advanced functions and setting options through new parameters:</p> <p>Parameter group "General"</p> <ul style="list-style-type: none"> ▪ 528.0: Set flow temperature heating for external demand ▪ 2543.0: Forced operation/Smart Grid operating mode 3 - cooling ▪ 2560.0: Grid-Lock and Smart-Grid ▪ 3369.0: Output restriction ▪ 3384.0: Default value reference restriction ▪ 3486.0: Start delay of the next appliance in the cascade (heating start delay) ▪ 3486.1: Start delay of the next appliance in the cascade (cooling start delay) ▪ 3486.2: Start delay of the next appliance in the cascade (DHW heating start delay) ▪ 3539.0: Maximum limit, modulation speed, cascade (output increase, heating) ▪ 3539.1: Maximum limit, modulation speed, cascade (output reduction, heating) ▪ 3539.2: Maximum limit, modulation speed, cascade (output increase, cooling) ▪ 3539.3: Maximum limit, modulation speed, cascade (output reduction, cooling) ▪ 3539.4: Maximum limit, modulation speed, cascade (output increase, DHW heating) ▪ 3539.5: Maximum limit, modulation speed, cascade (output reduction, DHW heating) 	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 200-S/222-S ▪ Vitocal 222-SI <p>Note <i>Some parameters are only available for certain heat pumps and/or special system configurations.</i></p>

Update 4/2025 (cont.)

Status before update	Change	Appliances
Parameter not available in parameter group "DHW"	<p>Advanced functions and setting options through new parameter:</p> <p>Parameter group "DHW"</p> <ul style="list-style-type: none"> ▪ 2543.2: Forced operation/Smart Grid operating mode 3 - DHW 	All heat pumps/hybrid appliances with Viessmann One Base
Parameters not available in parameter group "External heat generator"	<p>Advanced functions and setting options through new parameters:</p> <p>Parameter group "External heat generator"</p> <ul style="list-style-type: none"> ▪ 3098.0: Temperature offset, external heat generator ▪ 3212.0: Offset, set flow temperature, DHW, external heat generator 	<ul style="list-style-type: none"> ▪ Vitocal 150-A ▪ Vitocal 250-A ▪ Vitocal 200-S <p>Note <i>Some parameters are only available for certain heat pumps and/or special system configurations.</i></p>
Parameter not available in parameter group "Buffer cylinder"	<p>Advanced functions and setting options through new parameters:</p> <p>Parameter group "Buffer cylinder"</p> <ul style="list-style-type: none"> ▪ 2543.3: Forced operation/Smart Grid operating mode 3 - heating ▪ 2543.4: Forced operation/Smart Grid operating mode 3 - cooling 	All heat pumps/hybrid appliances with Viessmann One Base <p>Note <i>Some parameters are only available for certain heat pumps and/or special system configurations.</i></p>
"Preheating" function not available	<p>"Preheating" function in conjunction with ViCare Smart Climate individual room control:</p> <p>Temperature control of the room starts earlier than set in the time program, so that the specified set room temperature is already reached at the start of the respective time phase (± 15 min).</p>	All heat pumps/hybrid appliances with Viessmann One Base
Article 3.3 (d), (e) and (f) of the Radio Equipment Directive 2014/53/EU (RED) is not fulfilled.	The TCU 301 communication module integrated in the devices fulfills the requirements of Article 3.3 (d), (e) and (f) of the Radio Equipment Directive 2014/53/EU (RED).	All heat pumps/hybrid appliances with Viessmann One Base
Dual mode operation of the heat pump with an external heat generator (oil/gas boiler) only possible via PlusBus with the EM-HB1 extension	<p>Direct connection between heat pump and external heat generator is possible via CAN bus.</p> <p>The CAN bus connection allows all subscribers to be commissioned together via the ViGuide app.</p> <p>Note <i>With a CAN bus connection to the external heat generator, the EM-HB1 extension is only required if the hydraulic connection takes place via the 3-way mixing valve for dual mode operation.</i></p>	<ul style="list-style-type: none"> ▪ Vitocal 150-A ▪ Vitocal 250-A ▪ Vitocal 200-S ▪ Vitocal 250-AH ▪ Vitocal 250-SH

Status before update	Change	Appliances
—	A room thermostat connected to digital input 143.2 can be used to switch the room heating/room cooling for the respective heating/cooling circuit on or off depending on the temperature.	<p>All heat pumps/hybrid appliances with Viessmann One Base</p> <p>Note <i>Not available for types ...2C</i></p>
—	External operating program changeover between heating/cooling: The system can be switched between room heating and room cooling via an on-site switch connected to digital input 143.3.	<p>All heat pumps/hybrid appliances with Viessmann One Base</p> <p>Note <ul style="list-style-type: none"> ▪ Only for systems with an external heating/cooling water buffer cylinder ▪ Not available for types ...2C </p>
—	External demand for room heating from an additional consumer circuit, e.g. swimming pool: If the switching contact connected to digital input 143.3 is closed, the heating/cooling water buffer cylinder is heated to the set temperature selected with "Set flow temperature for external demand 528.0" . The heating/cooling water buffer cylinder is heated independently of the set time program.	<p>All heat pumps/hybrid appliances with Viessmann One Base</p>
In conjunction with ViCare Smart Climate individual room control, room cooling can only be switched on for individual rooms if the start conditions for room cooling are met in all rooms.	In conjunction with ViCare Smart Climate individual room control, room cooling can be switched on for individual rooms if the start conditions for room cooling in these rooms are met, regardless of the temperatures in the other rooms.	<p>All heat pumps/hybrid appliances with Viessmann One Base</p>
General fault message when a defrost process is cancelled, therefore no detailed fault analysis possible	New fault message F.1079 if the defrost process is cancelled due to the flow rate in the secondary circuit being too low several times.	<p>Heat pumps/hybrid appliances with Viessmann One Base</p>
A maximum of 2 heat pumps with the same output can be operated in a heat pump cascade for room heating.	Up to 5 heat pumps with the same output can be operated in a heat pump cascade for room heating, room cooling and DHW heating.	<ul style="list-style-type: none"> ▪ Vitocal 150-A ▪ Vitocal 250-A ▪ Vitocal 200-S
PWM signal of the integral circulation pump for heating/cooling circuit 2 is not monitored.	PWM signal of the integral circulation pump for heating/cooling circuit 2 is monitored. If the signal is interrupted, fault message F.1337 and/or warning message A.63 are issued.	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 200-S/222-S <p>Note <i>Only for types ...2C</i></p>

Update 4/2025 (cont.)

Status before update	Change	Appliances
Operation with reduced heat pump output is not supported for heat pump cascades.	<p>The output restriction for heat pump cascades via an external switching contact can be configured via the commissioning assistant on the master heat pump. Operation of the heat pump cascade with restricted output is switched on and off via digital input 143.4 of the master heat pump. If output restriction is active, the power consumption of the master heat pump is limited to the selected value (max. power consumption: 4.2 kW). The slave heat pumps are switched off within this time.</p>	<ul style="list-style-type: none"> ▪ Vitocal 150-A ▪ Vitocal 250-A ▪ Vitocal 200-S
—	<p>Further functions available for function control:</p> <ul style="list-style-type: none"> ▪ "DHW heating" ▪ "Cooling via refrigerant circuit" ▪ "Cooling the cooling water buffer cylinder" ▪ "Heating the heating water buffer cylinder" ▪ "Diagnostics for heat generation via instantaneous heating water heater" 	<p>All heat pumps/hybrid appliances with Viessmann One Base</p> <p>Note The function "Diagnostics for heat generation via instantaneous heating water heater" is not available with heat pumps for hybrid operation.</p>
Start hysteresis and stop hysteresis for DHW heating cannot be displayed on the programming unit.	<p>Extension of the entries in the "Information" menu: In the "DHW" submenu, information about the valid start hysteresis and stop hysteresis can be called up using the "Domestic hot water hysteresis" menu item.</p>	All heat pumps/hybrid appliances with Viessmann One Base
No stop limit available for instantaneous heating water heaters	<p>Stop limit for electric booster heater: If the outside temperature exceeds the outside temperature limit set when the heat pump was commissioned, the instantaneous heating water heater is not switched on.</p>	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 200-S/222-S ▪ Vitocal 222-SI
Under certain conditions, no optimum distribution of the oil in the compressor start-up phase	<p>Optimised control of the refrigerant circuit for the compressor start-up phase</p>	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 250-AH
The control characteristics of the 4/3-way valve can lead to a low flow rate in the secondary circuit in some operating situations. Fault message F.75 may be issued.	<p>Optimised control of the 4/3-way valve: To ensure the minimum flow rate in the secondary circuit, a proportion of the heating water is channelled through the integral heating water buffer cylinder in certain operating situations.</p>	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 250-AH

Update 12/2024

Current software versions

Display software versions: See chapter "Software versions" on page 4.

Release notes

Update 12/2024 (cont.)

Communication module/device	Software version update 12/2024
TCU 300 communication module (0010 TCU)	0010.0513.2437.0003
HPMU electronics module (0020 HPMU)	0020.0514.2440.0272
VCMU refrigerant circuit controller (0021 VCMU)	0021.0514.2437.0184
EHCU electronics module (0040 EHCU)	0040.0514.2437.0156
HMI programming unit (0071 HMI)	71.514.2441.0
ADIO electronics module (0083 ADIO)	0083.0514.2437.0049
TCU 300 communication module (0068 TCU)	0068.0513.2437.0003

Release notes: What's NEW?

Status before update	Change	Appliances
If the measuring connections on the energy meter are the wrong way round, fault message F.1221 is shown <ul style="list-style-type: none"> ▪ Energy meter E305...: Connections of the external current transformers ▪ Energy meter E380...: Phase connections 	The results from the measuring connections can be reversed with parameter 2933 so that optimisation of the energy flows from Viessmann Energy Management works correctly.	All heat pumps/hybrid appliances with Viessmann One Base
Seasonal coefficient of performance (SCOP) of the slave heat pump in a mono mode heat pump cascade is not displayed in the ViCare app.	The following values for a slave heat pump in a mono mode heat pump cascade are displayed in the ViCare app: <ul style="list-style-type: none"> ▪ Seasonal coefficient of performance (SCOP) for room heating ▪ Seasonal coefficient of performance (SCOP) for DHW heating ▪ Seasonal coefficient of performance (SCOP) for room heating and DHW heating 	<ul style="list-style-type: none"> ▪ Vitocal 150-A ▪ Vitocal 250-A
Min. setting value for parameter Max. set cylinder temperature 504.3 is 0 °C.	Min. setting value for parameter Max. set cylinder temperature 504.3 adjusted to 10 °C	All heat pumps/hybrid appliances with Viessmann One Base
Some of the texts displayed in the HMI programming unit do not correspond to the texts used in other publications.	Customisation of some display texts in the HMI programming unit	All heat pumps/hybrid appliances with Viessmann One Base
The use of modified sensors in the ViCare climate sensor may result in deviations in temperature and humidity measurement.	Customised evaluation of the measurement signals for the ViCare climate sensor	All heat pumps/hybrid appliances with Viessmann One Base
Heat supply to a heating circuit with ViCare individual room control via the instantaneous heating water heater may result in many adjustments at the ViCare thermostatic radiator valves. This reduces the service life of the batteries installed in the ViCare thermostatic radiator valves.	Optimised control response for the instantaneous heating water heater reduces the number of control processes at the ViCare thermostatic radiator valves. This extends the service life of the batteries installed in the ViCare thermostatic radiator valves.	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 200-S/222-S ▪ Vitocal 222-SI

Update 12/2024 (cont.)

Status before update	Change	Appliances
In conjunction with Viessmann Energy Management and the "PV surplus to heat" function, the set temperatures are increased in the event of PV surplus. This switches on the compressor and, if necessary, the instantaneous heating water heater. The respective heating output is not adjusted.	If "PV surplus to heat" takes place, the heating output/cooling capacity of the compressor can be adjusted to match the available PV surplus. If the compressor output currently possible due to PV surplus is not sufficient for room heating, the compressor output is increased with electricity from the grid. For DHW heating, additional electricity is drawn from the grid if the cylinder temperature is below 40 °C.	All heat pumps/hybrid appliances with Viessmann One Base
The appliances can only be connected to the home network via WiFi.	In conjunction with the retrofit packages "LAN socket extension with programming unit" (450 mm/600 mm), communication with the home network is possible via a LAN cable.	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 200-S/222-S ▪ Vitocal 250-AH ▪ Vitocal 250-SH <p>Note For air/water heat pumps as split versions with serial numbers 7984847... to 7984857..., LAN connection extensions without programming unit are available.</p>
Fan ring heater and electric ribbon heater for the condensate pan can only be activated via the user interface of the ViGuide web application ViGuide Pro.	Fan ring heater and electric ribbon heater for the condensate pan can be activated with parameters Fan ring heater 2850.0 and Electric ribbon heater for condensate pan 2850.2 via the programming unit and ViGuide app.	Heat pumps/hybrid appliances with Viessmann One Base
No fault message if the oil sump temperature sensor or oil sump heater are faulty or incorrectly installed.	If the oil sump temperature sensor or oil sump heater are faulty or incorrectly installed, the new fault message F.1225 appears. This makes troubleshooting easier.	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 250-AH
Power-OFF possible but reduction of heat pump output in accordance with Para. 14a of the German Energy Industry Act (EnWG) is not supported.	Response when the power-OFF signal (floating contact 143.4) is present can be configured, e.g. via the commissioning assistant: <ul style="list-style-type: none"> ▪ Power-OFF Or ▪ Reduction of heat pump output in accordance with Para. 14a EnWG 	All heat pumps/hybrid appliances with Viessmann One Base
—	Further functions available for function control: <ul style="list-style-type: none"> ▪ "Manual defrosting" ▪ "External heat generator and dual mode mixer" ▪ "Heat generation via refrigerant circuit" 	All heat pumps/hybrid appliances with Viessmann One Base <p>Note The "external heat generator and dual mode mixer" function is only available if an external heat generator can be connected.</p>

Status before update	Change	Appliances
—	<p>Further functions available for the actuator test:</p> <ul style="list-style-type: none"> ▪ "Fan outdoor unit, bottom": Set the speed. ▪ "Fan outdoor unit, top": Set the speed. ▪ "Oil sump heater" ▪ "Fan ring heater" ▪ "Ribbon heater for condensate pan" 	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 250-AH
Heat pump cascade with air/water heat pumps as split versions not possible	<p>Heat pump cascade, consisting of 2 air/water heat pumps, split version is possible with the following operating modes:</p> <ul style="list-style-type: none"> ▪ Master heat pump: Room heating and DHW heating ▪ Slave heat pump: Only room heating 	Vitocal 200-S
Before connecting to the ViCare app, room heating, room cooling and DHW heating cannot be switched on or off via the ViGuide app.	Room heating, room cooling and DHW heating can be switched on and off at any time via the ViGuide app.	Vitocal 222-SI
The flow rate in the secondary circuit is determined via the integral flow sensor.	The flow rate is monitored by analysing the PWM signal from the secondary pump in detail.	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 250-AH
If the slave heat pump in a cascade is recommissioned via the commissioning assistant (e.g. to change the configuration), the compressor does not switch off for room heating.	Response has been corrected. The compressor of the slave heat pump also switches off again if recommissioning takes place.	<ul style="list-style-type: none"> ▪ Vitocal 150-A ▪ Vitocal 250-A
A slight undershoot of the minimum flow rate does not result in a warning of a possible cause.	<p>Revised flow rate monitoring for room heating, DHW heating and defrosting is carried out by analysing the PWM signal from the secondary pump in detail. To monitor the minimum flow rate, 3 different signalling thresholds can be specified, separately for defrosting and DHW heating.</p> <p>If the 1st signalling threshold is undershot, an information message appears in ViGuide Web. If the 2nd signalling threshold is undershot, a warning message is displayed. If the 3rd and thus lowest signalling threshold is undershot, the warning message A.16 also appears on the programming unit.</p> <p>In ViGuide Web, corresponding instructions are displayed in each case. The following values are displayed in ViGuide Web for further support:</p> <ul style="list-style-type: none"> ▪ Actual flow rate in the secondary circuit ▪ Output of the secondary pump (set value/actual value) ▪ Set output restriction for the secondary pump ▪ Position of 4/3-way valve (set value/actual value) 	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 250-AH

Update 12/2024 (cont.)

Status before update	Change	Appliances
System scheme with Vitocell 120-E heating water buffer cylinder and Vitotrans 353 freshwater module in conjunction with return distribution set and 3-way diverter valve in the common return is not supported.	<p>System scheme with Vitocell 120-E heating water buffer cylinder and Vitotrans 353 freshwater module in conjunction with return distribution set in the common return is supported. Connection of the 3-way diverter valve to connection P2 on the HPMU electronics module.</p> <p>Select the "Buffer cylinder with DHW heating" entry in the commissioning assistant.</p>	<ul style="list-style-type: none"> ▪ Vitocal 150-A ▪ Vitocal 250-A ▪ Vitocal 200-S ▪ Vitocal 250-AH ▪ Vitocal 250-SH
For heat pumps with 2 integral heating/cooling circuits, no start or stop hystereses can be set for these heating circuits.	<p>A start and stop hysteresis for room heating and room cooling can be specified for the integral heating/cooling circuits.</p> <ul style="list-style-type: none"> ▪ Parameter, heating/cooling circuit 1: Start hysteresis, heating 3335.0, stop hysteresis, heating 3335.1, start hysteresis, cooling 3335.1, stop hysteresis, cooling 3335.1 and 3336.0 to 3336.3 ▪ Parameter, heating/cooling circuit 2: Start hysteresis, heating 3336.0, stop hysteresis, heating 3336.1, start hysteresis, cooling 3336.1, stop hysteresis, cooling 3336.1 	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 200-S/222-S ▪ Vitocal 250-AH ▪ Vitocal 250-SH
In conjunction with a heating water buffer cylinder, frequent cycling of the compressor and instantaneous heating water heater can occur under unfavourable conditions, including with heat pump cascades.	Control response adjusted: Frequent cycling of the compressor and instantaneous heating water heater in conjunction with a heating water buffer cylinder has been rectified.	<ul style="list-style-type: none"> ▪ Vitocal 150-A ▪ Vitocal 250-A ▪ Vitocal 200-S ▪ Vitocal 250-AH ▪ Vitocal 250-SH

Update 4/2024

Current software versions

Display software versions: See chapter "Software versions" on page 4.

Communication module/device	Software version update 04/2024
TCU 300 communication module (0010 TCU)	10.511.2405.3
HPMU electronics module (0020 HPMU)	20.511.2404.247
VCMU refrigerant circuit controller (0021 VCMU)	21.511.2403.167
EHCU electronics module (0040 EHCU)	40.511.2403.130
HMI programming unit (0071 HMI)	71.511.2403.2

Release notes

Update 4/2024 (cont.)

Release notes: What's NEW?

Status before update	Change	Appliance
—	Remote control via Vitotrol 100-EH possible	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 250-AH
System reverts to standard mode following a 120 min timeout after the smart grid signal has been sent.	Smart grid signal is sent cyclically via the bus before the end of the 120 min timeout.	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 250-AH
Incorrect calculation of the control strategies "Economic control strategy for minimum running costs" and "Ecological control strategy for minimum CO2 emissions". The outdoor unit sends incorrect performance data to the indoor unit. The external heat generator is not reliably switched on or off.	Calculation error fixed	<ul style="list-style-type: none"> ▪ Vitocal 250-SH ▪ Vitocal 250-AH
Incorrect calculation of the seasonal performance factor (SPF) The outdoor unit sends incorrect performance data to the indoor unit. The following incorrect operating data is shown in the energy cockpit: <ul style="list-style-type: none"> ▪ SPF of the system ▪ SPF for room heating ▪ SPF for DHW heating 	Calculation error fixed	<ul style="list-style-type: none"> ▪ Vitocal 150-A/151-A ▪ Vitocal 250-A/252-A ▪ Vitocal 250-AH
When the hygiene function is active, the set value of the dual mode mixer jumps from the maximum value of 70 °C to 0 °C for approx. 1 min. At the same time, the minimum runtime of the external heat generator begins again. The dual mode mixer closes early. Heat cannot be transferred.	In order to use the energy from the external heat generator more efficiently, the control response of the dual mode mixer has been adjusted. The dual mode mixer closes later.	<ul style="list-style-type: none"> ▪ Vitocal 250-SH ▪ Vitocal 250-AH
Help texts incorrect for fault messages F.155 "Fault, electronic expansion valve 1" and F.156 "Fault, electronic expansion valve 2": "Refrigerant circuit operation not possible, notify contractor".	Help text amended: "Feedback, position electronic expansion valve (EEV) implausible, normal operation available without restriction"	Vitocal 250-A/252-A
Communication error between indoor and outdoor unit with long CAN bus cables results in defrosting being aborted. Fault message F.864 "Defrost not terminated successfully" appears.	CAN bus communication between the indoor unit and outdoor unit adjusted	Vitocal 250-A/252-A
Communication error between master and slave heat pump. Frost protection for the heating water buffer cylinder is shown in the ViCare app or on the programming unit of the slave heat pump although frost protection is not active.	Frost protection is only shown in ViCare or on the programming unit of the slave heat pump when frost protection is active.	Vitocal 250-A heat pump cascade

Update 4/2024 (cont.)

Status before update	Change	Appliance
<p>Normal operation of the master heat pump is interrupted for a short time when comfort assurance mode is deactivated:</p> <ol style="list-style-type: none"> 1. Parameter 2741 "Comfort assurance mode (slave appliance)" changed from 1 to 0 2. Compressor of the master heat pump goes off. The compressor of the slave heat pump starts. After the compressor pause time, the compressor of the master heat pump starts again. 3. If the slave heat pump is in emergency mode, emergency mode is stopped. 4. Normal operation of the master heat pump is interrupted. 	<p>Normal operation of the master heat pump is no longer interrupted.</p>	Vitocal 250-A heat pump cascade
<p>When changing from smart grid operating mode 2 "Standard mode" to smart grid operating mode 4 "Forced mode", both heat pumps are switched off. After a pause time, the heat pumps are switched on again.</p>	<p>The heat pumps are no longer switched off when changing from smart grid operating mode 2 to smart grid operating mode 4.</p>	Vitocal 250-A heat pump cascade
<p>The following parameters for the heating water buffer cylinder are not shown in the master heat pump.</p> <ul style="list-style-type: none"> ▪ 3070.0 Buffer target operation mode ▪ 3106.0 Minimum limit ▪ 3106.1 Maximum limit 	<p>The parameters for the heating water buffer cylinder are shown in the master heat pump.</p>	Vitocal 250-A heat pump cascade
<p>The Vitotrol 300-E does not display the subscriber numbers of the heat pump.</p>	<p>The Vitotrol 300-E displays the subscriber numbers of the heat pump.</p>	Vitocal 250-A heat pump cascade
<p>Help texts for fault messages F.1106, F.1107 and F.1108 are missing if the mixer extension kit (ADIO electronics module) without cooling function is connected.</p>	<p>Help texts are shown.</p>	Vitocal 250-A/252-A
<p>Display text 2351 "Refrigerant circuit status" in ViGuide app incorrect</p>	<p>Display text amended: "Heat pump compressor status"</p>	Vitocal 250-A/252-A
<p>ViCare Smart Climate: Incorrect "pump logic" function. Pump is in operation although there is no heat demand.</p>	<p>Controlled rooms: Pump is no longer in operation if there is no heat demand. Unregulated rooms: Pump is not switched off if there is no heat demand.</p>	Heat pumps with Viessmann One Base
<p>ViCare Smart Climate: Incorrect "intelligent heating system control" function. Pump is in operation although there is no heat demand.</p>	<p>Pump is no longer in operation if there is no heat demand. Room influence factor has been reduced.</p>	Heat pumps with Viessmann One Base
<p>ViCare Smart Climate: Low power radio topology (structure of the wireless network) not visible in ViGuide Web</p>	<p>Low power radio topology visible in ViGuide Web</p>	Heat pumps with Viessmann One Base







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