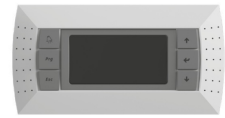


 **BLAUBERG**
S30 Automatic
Control System



BLAUBERG S30 Automatic Control System User Manual

[Home](#) » [BLAUBERG](#) » [BLAUBERG S30 Automatic Control System User Manual](#) 

Contents

- [1 BLAUBERG S30 Automatic Control System](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 SAFETY REQUIREMENTS](#)
- [5 PURPOSE](#)
- [6 TECHNICAL DATA](#)
- [7 INSTALLATION AND SET-UP](#)
- [8 CONTROL](#)
 - [8.1 Schedule setup](#)
 - [8.2 PGDE CONTROL PANEL](#)
 - [8.3 Set-up of scheduled mode](#)
 - [8.4 Alarm list](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)
- [10 Related Posts](#)



BLAUBERG S30 Automatic Control System



Product Information

Specifications

- **Model:** S30, S31, S32

Technical Data:

- th-Tune: -20...+70, 10...90 (no condensation)
- AWG 20 or AWG 22 up to 500m
- IP20 rated
- pGDE: -20...+70, 10...90 (no condensation)
- Telephone cable max. 50m; twisted pair AWG 22 max. 500m
- IP40 rated

Product Usage Instructions

Installation of th-Tune Control Panel

1. Detach the front side of the control panel from the back side using a screwdriver.
2. Disconnect the 4-pin connector from the front side of the control panel.
3. Complete the electric connection in compliance with the wiring diagram.
4. Fix the back side of the control panel in the mounting box using the supplied screws.
5. Re-connect the 4-pin connector.
6. Lay all the wires inside the control panel and install the control panel from the bottom. Press the front side to click and complete the installation.

Installation of pGDE Control Panel

1. Connect the pGDE control panel to the connector on the controller using the 6P6C phone connector (PLUG-6P6C-P-C2).
2. Lay the telephone cable to the installation place of the control panel.
3. Fix the back side of the control panel inside of the mounting box using the supplied round-head screws.

FAQ

- **Q: Can children operate this unit?**

A: The unit should not be operated by children or persons with reduced physical, mental, or sensory capacities, or those without appropriate training.

- **Q: What are the technical data for the Tune and pGDE control panels?**

A: th-Tune: -20...+70, 10...90 (no condensation), AWG 20 or AWG 22 up to 500m, IP20 rated. pGDE: -20...+70, 10...90 (no condensation), telephone cable max. 50m; twisted pair AWG 22 max. 500m, IP40 rated.

This user's manual is a main operating document intended for technical, maintenance, and operating staff. The manual contains information about the purpose, technical details, operating principle, design, and installation of the S30, S31, and S32 unit and all its modifications. Technical and maintenance staff must have theoretical and practical training in the field of ventilation systems and should be able to work by workplace safety rules as well as construction norms and standards applicable in the territory of the country.

SAFETY REQUIREMENTS

- Please read the user's manual carefully before installing and operating the unit.
- All user's manual requirements as well as the provisions of all the applicable local and national construction, electrical, and technical norms and standards must be observed when installing and operating the unit.
- The warnings contained in the user's manual must be considered most seriously since they contain vital personal safety information.
- Failure to follow the rules and safety precautions noted in this user's manual may result in an injury or unit damage.
- After a careful reading of the manual, keep it for the entire service life of the unit.
- While transferring the unit control, the user's manual must be turned over to the receiving operator.

UNIT INSTALLATION AND OPERATION SAFETY PRECAUTIONS



- Disconnect the unit from power mains prior to any installation operations.



- Unpack the unit with care.



- The unit must be grounded!



- While installing the unit, follow the safety regulations specific to the use of electric tools.



- Do not change the power cable length at your own discretion. Do not bend the power cable. Avoid damaging the power cable. Do not put any foreign objects on the power cable.



- Do not lay the power cable of the unit in close proximity to heating equipment.



- Do not use damaged equipment or cables when connecting the unit to power mains.



- Do not operate the unit outside the temperature range stated in the user's manual. Do not operate the unit in aggressive or explosive environments.



- Do not touch the unit controls with wet hands. Do not carry out the installation and maintenance operations with wet hands.



- Do not wash the unit with water. Protect the electric parts of the unit against ingress of water.



- Do not allow children to operate the unit.



- Disconnect the unit from power mains prior to any technical maintenance.

THE PRODUCT MUST BE DISPOSED SEPARATELY AT THE END OF ITS SERVICE LIFE. DO NOT DISPOSE OF THE UNIT AS UNSORTED DOMESTIC WASTE.

PURPOSE

- The automatic control system is designed for controlling ventilation systems of various configurations.
- The control system controls basic ventilation system components, such as supply and extract fans, heat exchangers, air heaters, air coolers, air humidifier, air mixing chambers, and air dampers. The automation unit has a configurable controller with installed software. The controller can be individually configured for each ventilation system. The control panels are rated for non-stop operation.

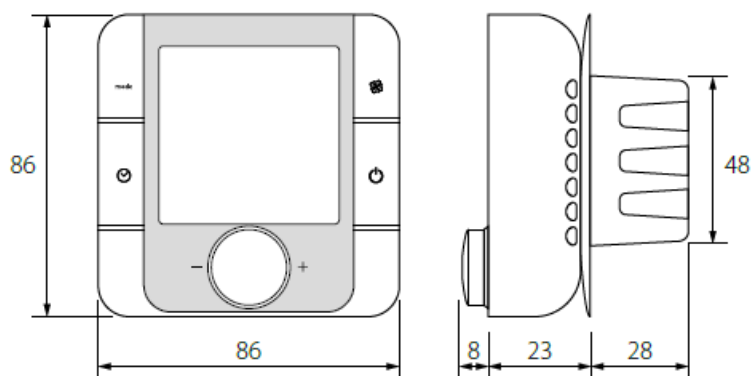
For a detailed description of the automatic control system functions please refer to the controller's manual. Please ask the ventilation unit seller to provide the manual.

- THE UNIT SHOULD NOT BE OPERATED BY CHILDREN OR PERSONS WITH REDUCED PHYSICAL, MENTAL, OR SENSORY CAPACITIES, OR THOSE WITHOUT THE APPROPRIATE TRAINING.
- THE UNIT MUST BE INSTALLED AND CONNECTED ONLY BY PROPERLY QUALIFIED PERSONNEL AFTER THE APPROPRIATE BRIEFING.
- THE CHOICE OF UNIT INSTALLATION LOCATION MUST PREVENT UNAUTHORISED ACCESS BY UNATTENDED CHILDREN.

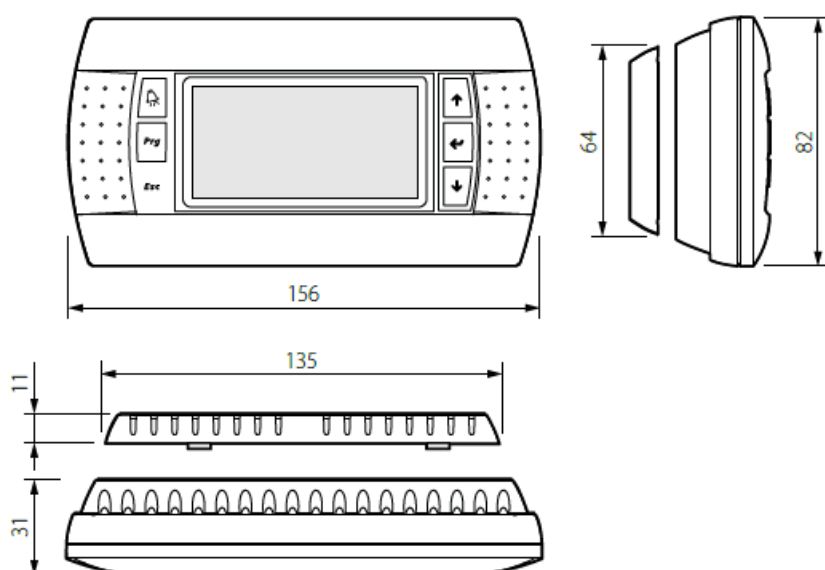
TECHNICAL DATA

Parameter	Value	
	th-Tune	pGDE
Storage temperature [°C]	-20...+70	-20...+70
Storage humidity [%]	10...90 (no condensation)	10...90 (no condensation)
Operation temperature [°C]	-10...+60	-20...+60
Operation humidity [%]	10...90 (no condensation)	10...90 (no condensation)
Cable	AWG 20 or AWG 22 up to 500 m	Telephone cable max. 50 m; twisted pair AWG 22 max. 500 m
Ingress Protection	IP20	IP40

Overall dimensions for the control panel



Overall dimensions for pGDE control panel

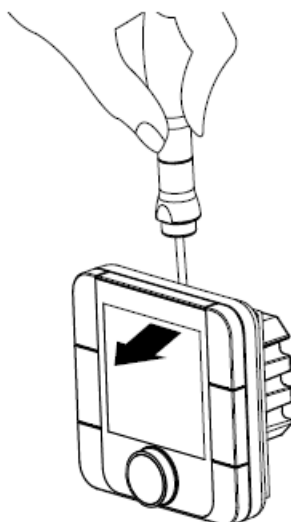


INSTALLATION AND SET-UP

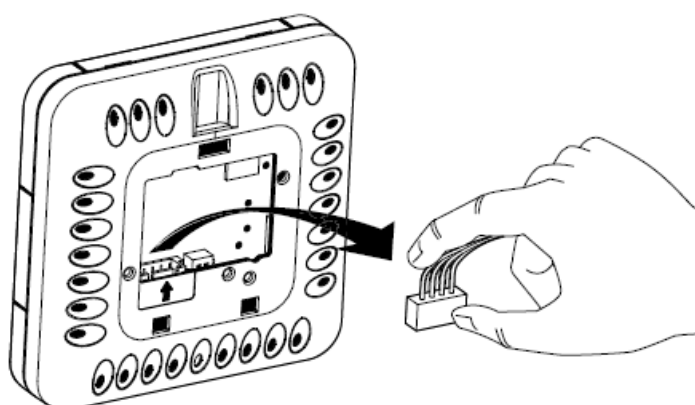
INSTALLATION OF TH-TUNE CONTROL PANEL

For installation of the back side of the control panel use a mounting box with a minimum diameter of 65 mm and installation depth of 31 mm.

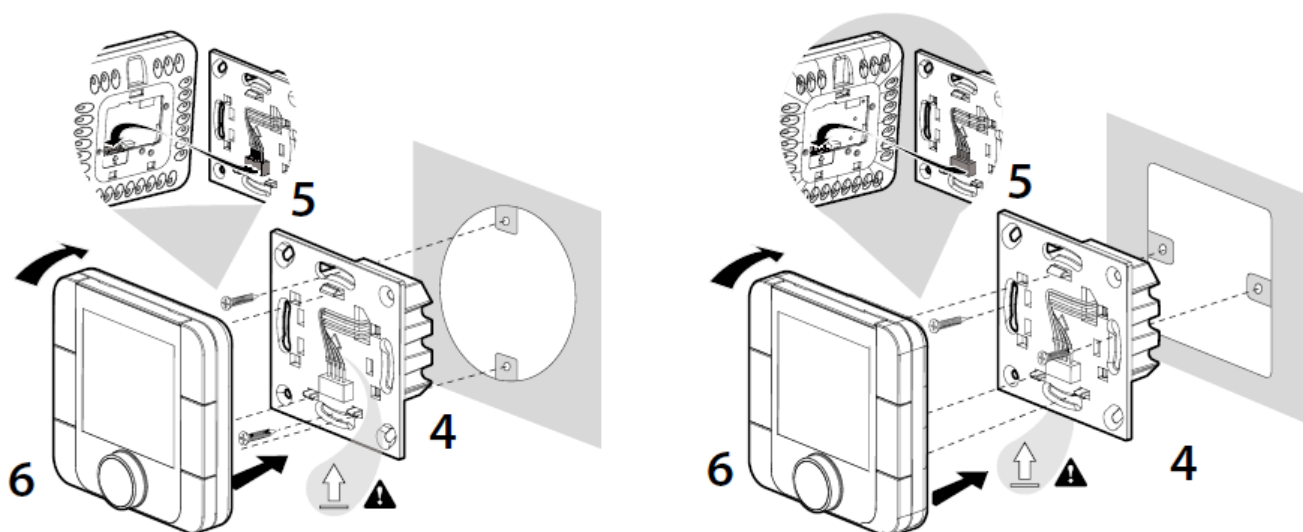
1. Detach the front side of the control panel from the back side using a screwdriver.



2. Disconnect the 4-pin connector from the front side of the control panel.

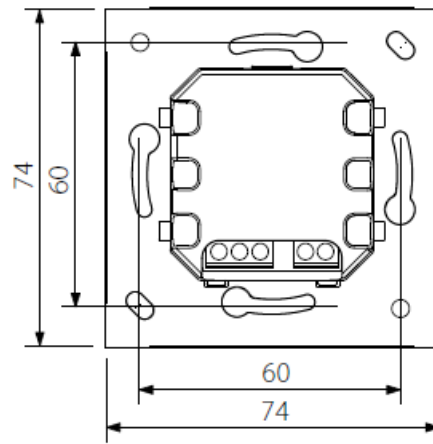


3. Complete the electric connection in compliance with the wiring diagram.
4. Fix the back side of the control panel in the mounting box using the supplied screws.
5. Re-connect the 4-pin connector.
6. Lay all the wires inside of the control panel and install the control panel from the bottom. Press the control panel's front side to click to complete the installation.



Overall dimensions of the control panel back side, mm

The outline drawing of the control panel's backside is shown on the left.

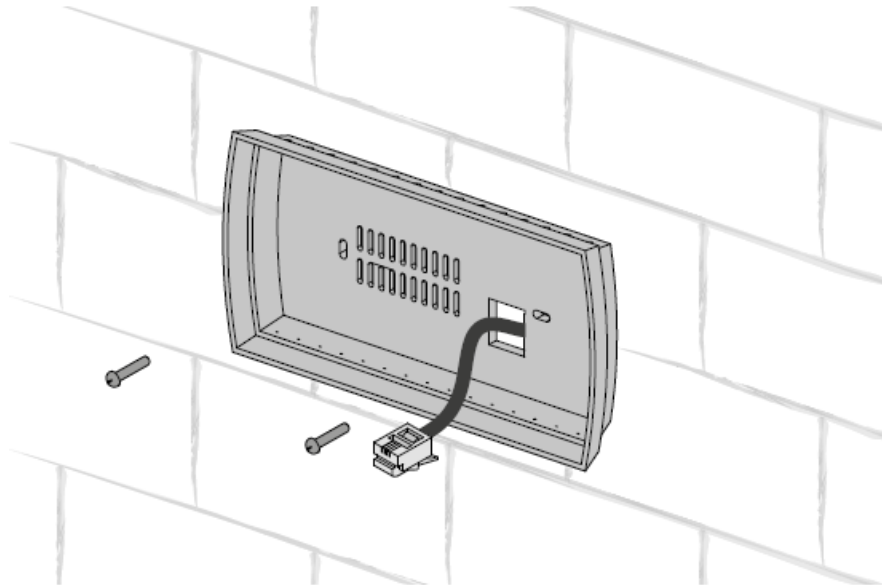


INSTALLATION OF PGDE CONTROL PANEL

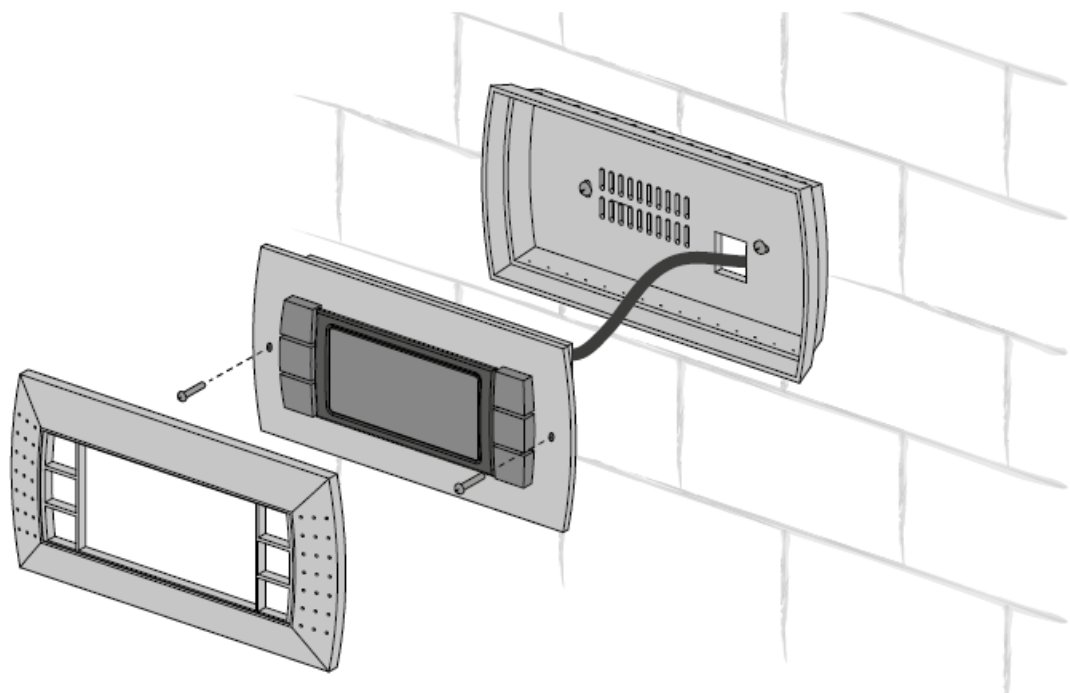
Connect the pGDE control panel to the connector on the controller using the 6P6C phone connector (PLUG-6P6C-P-C2). The maximum telephone cable length is 50 m.

Lay the telephone cable to the installation place of the control panel.

1. Fix the back side of the control panel inside of the mounting box using the supplied round-head screws.

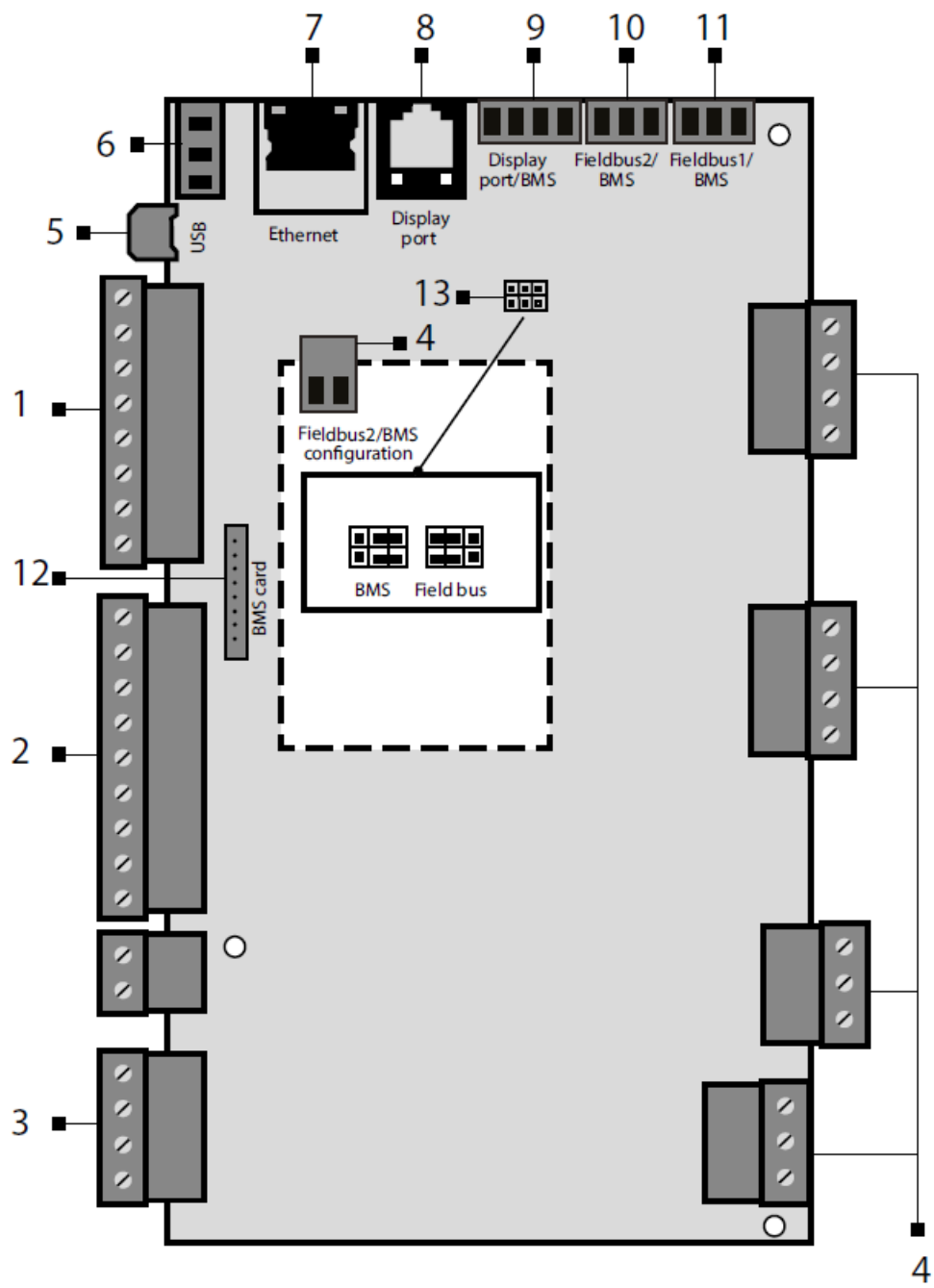


2. Connect the telephone cable to the front side of the control panel. Attach the front side of the control panel to its back side using the supplied countersunk head screws as shown below. Press the control panel's front side to click to complete the installation.



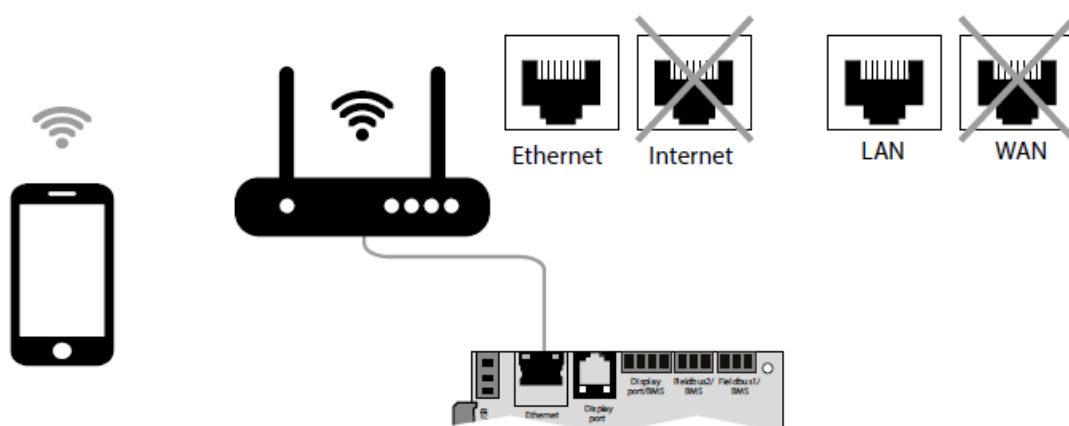
CONTROL

S31 controller (KVENT) inputs/outputs



Position	Description
1	Digital inputs
2	Analogue inputs
3	Analog outputs
4	Digital outputs
5	Micro USB for updating applications, import and export of settings, alarm log
6	Power source for external sensors
7	Ethernet port
8	Connection port for PGDe control panel
9	Display port
10	BMS/Fieldbus2 port
11	BMS/Fieldbus1 port. Used for connection of th-Tune as well
12	Slot for connection of BMS card (not included in the delivery set, available as a specially ordered accessory)
13	Jumpers for configuration of BMS/Fieldbus2 port
14	Power input





Ventilation unit control with a mobile device



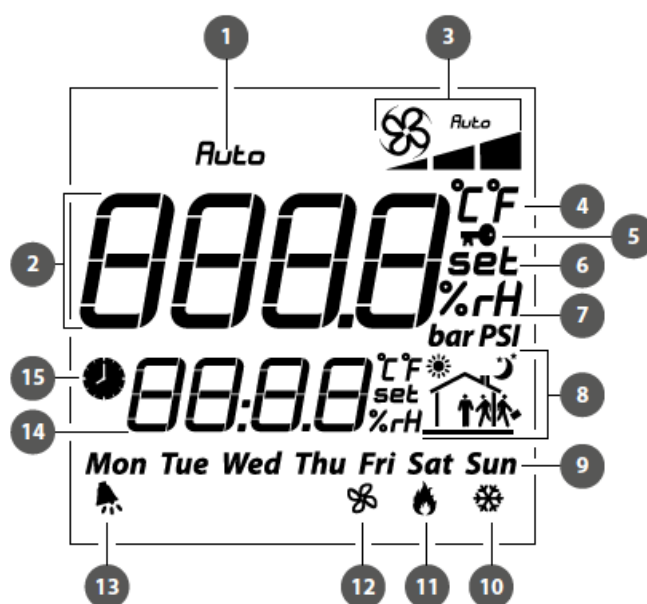
- The ventilation unit is controllable via a mobile device or tablet. Connect the router through the Ethernet (LAN) connector using the twisted pair (4 x 2 x 0.51) not below Cat5 with 8P8C connectors. Go to the router menu and find the IP address of the ventilation unit. Enter the IP address in the URL bar on a mobile device.
- After that, the unit is ready for operation via mobile device. The control interface is identical to the PGDe control panel interface.

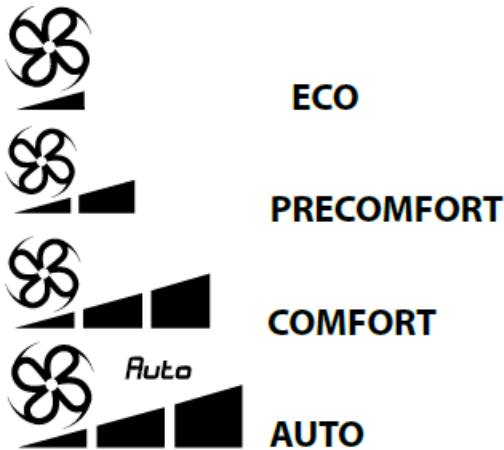
TH-TUNE CONTROL PANEL



BUTTON	FUNCTIONS
mode (MODE)	Standby/auto mode. Boost function deactivation.
 (FAN)	Editing operation settings: ECO, PRECOMFORT, COMFORT, STOP.
 (CLOCK)	Schedule mode on/off: press once shortly. To get access to the schedule menu, press and hold for 2 seconds. Use the rotation knob to select variants.
MODE+CLOCK	To turn off the Boost function, press and hold for 3 seconds.
 (ON-OFF)	On/Off switch and Exit settings. Attention! The On/Off switch turns the remote control display on or off and does not operate the unit.
 (ENCODER)	Setting of the required value using the rotation knob. Setup menu of the set indoor temperature - press once. Supply air temperature - press twice. External temperature - press thrice.

DISPLAY SYMBOLS



1.	System on/off indication
2.	Main field (current indoor temperature, field for temperature setup, schedule setup, etc.)
3.	<p>Operation modes:</p>  <p>ECO</p> <p>PRECOMFORT</p> <p>COMFORT</p> <p>AUTO</p>
4.	Temperature measurement unit
5.	Schedule blocking function (the pictogram appears in case of an attempt to activate the schedule on an unconfigured unit)
6.	Set value
7.	Humidity measurement unit
8.	Current time band
9.	Day of the week
10.	Cooling on
11.	Heating on
12.	Ventilation mode
13.	Alarm signal. The error code is displayed in line 14
14.	Time
15.	Activated scheduled mode

Description of the operation modes:

- **STOP:** the fans are off, and the protection functions are on (no indication in the field 3).
- **ECO:** low fan speed, low temperature, and power consumption.
- **PRECOMFORT:** medium fan speed, medium temperature, and power consumption.
- **COMFORT:** maximum fan speed, increased temperature, and power consumption.
- **AUTO:** scheduled operation mode.

TO reset the alarms synchronously, press and hold the FAN and ON/OFF buttons for 3 seconds.

Schedule setup

The th-Tune panel enables the setup of scheduled operation and temperature settings. To enter the menu, turn off the schedule mode and press the CLOCK button for 2 seconds.

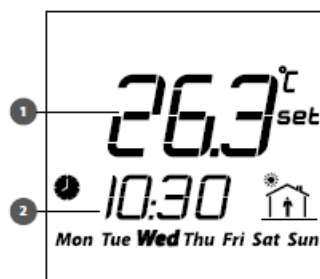
After entering the setup menu of schedule mode the following points are displayed:

- Clock: enables setting for the current time
- Sel days: enables schedule and temperature setting. Press the ENCODER buttons to get access to the settings. Then rotate ENCODER to select several days or one day to set an operation mode as follows:
- 7 days (Mon, Tue, WThu Thu, Fri, Sat, Sun). For Monday, Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday the time band settings are common.
- 5 days (Mon, Tue, Wed, Thu, Fri). For Monday, Tuesday, Wednesday, Thursday, and Friday the time band settings are common.
- 2 days (Sat, Sun). For Saturday and Sunday, the time band settings are common.
- Day by day. The time band settings for each day are individually settable.

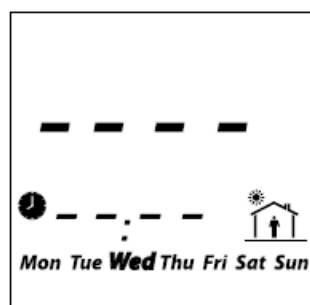
Each period can have up to 6 time bands. The time bands are marked with the following pictures:



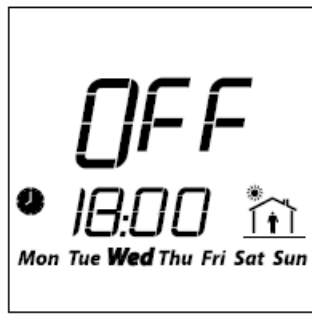
- Rotate the ENCODER button to switch between the time band settings.
- Each selected time band has the set temperature (1) and activation time (2) parameters.



The time band «-:-» can be deactivated on the display:






To set the OFF band on the th-Tune, rotate the minimum setting down to the OFF point as shown in the figure below.



PGDE CONTROL PANEL

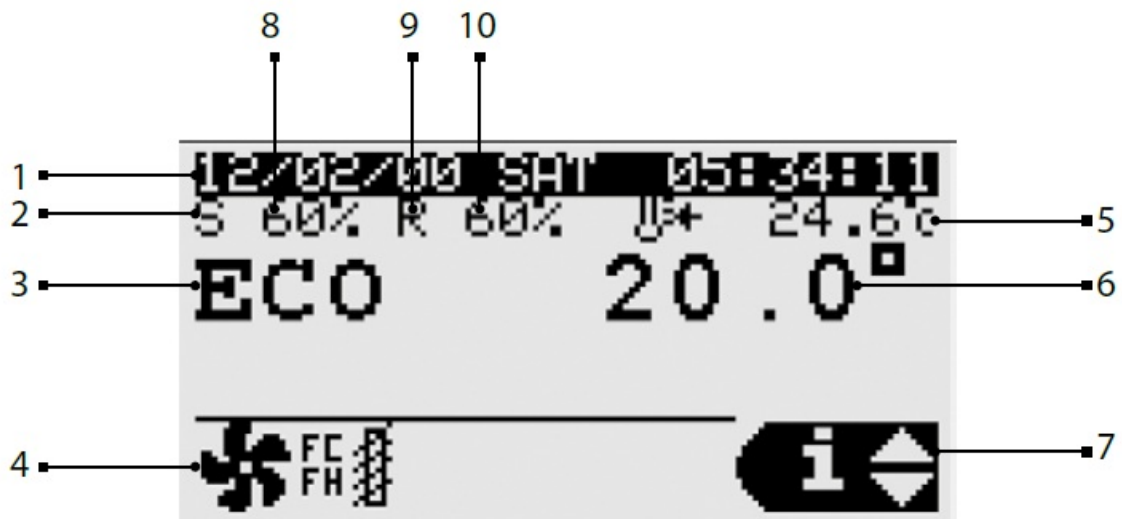
The control panel has 6 buttons:

-  (ALARM): manual reset of alarm signals.
- **Prg** (PRG): operation mode editing.
- **Esc** (ESC): return to the previous display.
-  (UP, DOWN): moving between displays screens or increasing/decreasing values
-  (ENTER): data validation and reset to the parameter list



UNIT START

After the connection of the unit to the power mains the controller is loaded and the home page opens.



1. Day and time.
2. The supply fan is on.
3. Operation mode.
 - STOP
 - ECONOMY
 - PURE COMFORT
 - COMFORT
 - AUTO
4. Current unit condition.

-  — damper opening/closing
-  — fan run
-  — heating
-  — cooling
-  — free heating/cooling
-  — humidification
-  — dehumidification
-  — active heat recovery
-  — standard shutdown
-  — alarm shutdown
-  — scheduler is active
-  — heat exchanger freeze protection
-  — active Boost function

5. Main temperature control (air temperature in the supply air duct).
6. Set indoor air or supply duct temperature point (depending on settings).
7. Indicates access to the user menu with UP, DOWN, and ENTER buttons.

- **INFO:** indicates the general condition of devices, operation status of outputs, and inputs of devices and sensors.
- **SET:** indicates current set point and operation mode according to schedule. It is possible to set the set points for devices and schedules.
- **MODE:** indicates changing of operation mode (stop, economy, comfort, comfort, auto).

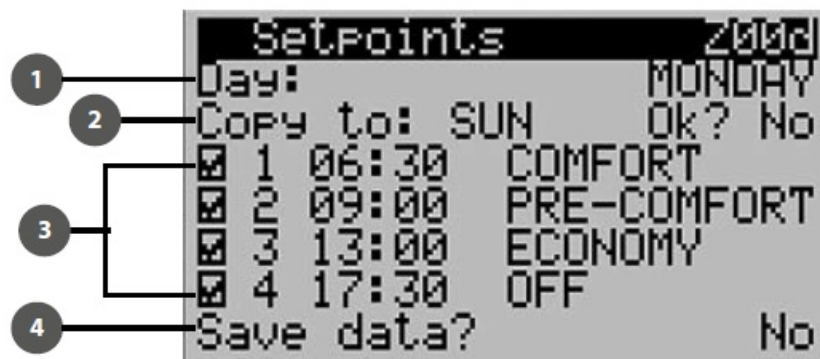
8. Supply fan speed.
9. The extract fan is on.
10. Extract fan speed.

Set-up of scheduled mode

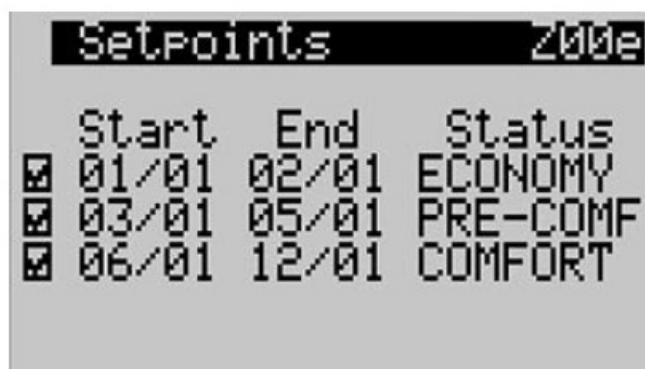
Press ENTER to switch to the menu in the SET mode.

The menu has three set points:

1. Setup of operation mode for each weekday. It is possible to set a maximum of four-time bands for one day (from Monday till Sunday) and start time for set mode.

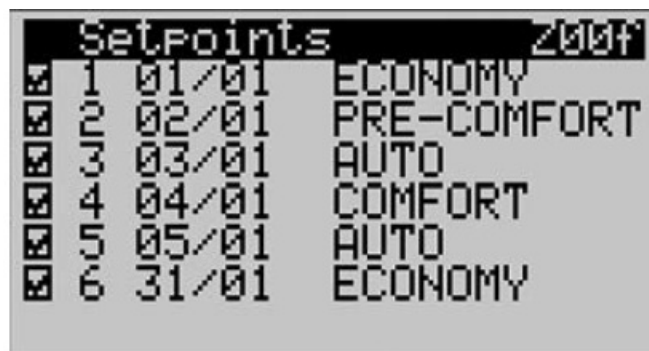


1. Selection of weekday for setup.
 2. Copying of set parameters to enter for the other weekday. Select Yes to copy parameters on the next day (parameter Copy to).
 3. Setting a number of time bands for the day. The current mode exits as the next mode starts.
 4. Saving set parameters.
2. Setting operation mode for 3 time bands (from one day till one year). The current operation mode exits as the next mode starts.

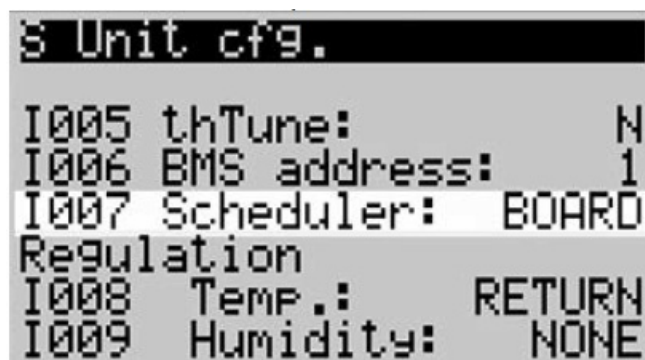


3. It is possible to set a day for switching to set mode.

It is possible to set a maximum of 6 days. The current operation mode exits as the next mode starts.

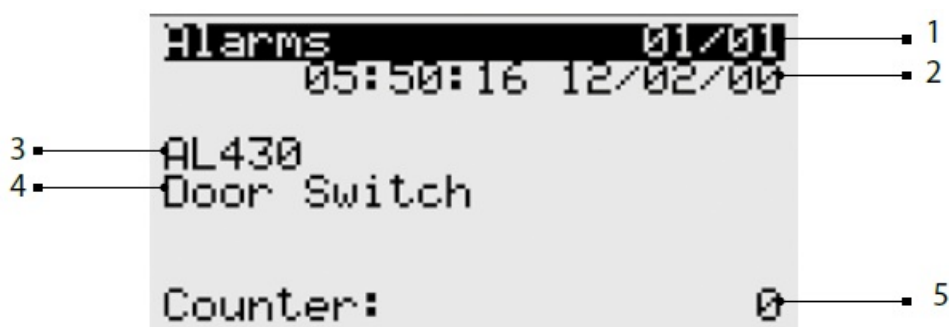


To activate the schedule mode, set the value I007 for the BOARD parameter in the section Unit cf9.



ALARMS


In the case of alarms, the alarms are displayed on the display.



Position	Description
1	Alarm number / total alarms
2	Alarm date and time
3	Alarm code
4	Alarm description
5	Alarmed sensor value

The alarms can be reset manually, automatically, or repeated automatically.

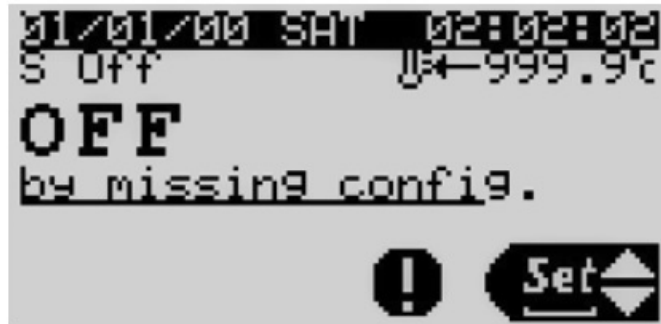
- **Manual reset:** after troubleshooting an alarm reset the audio signal using the ALARM button, then press and

hold the  button for 3 seconds for a final reset.

- **Automatic reset:** after automatic troubleshooting of the alarm the audio signal turns off and the signal is reset.
- **Automatically repeated reset:** the system checks several repeated interventions per hour. If this number is below the set maximum value, the alarm is automatically reset. As soon as the limit is crossed, the alarm must be reset manually.




WARNING!

- By default, the unit is controlled by the TH-Tune remote control.
- In the case of using PGDE and/or BMS control, TH-Tune must be disabled to prevent error A010 (th-tune offline). The figure below shows the screen when the unit is turned on with the PGDE control panel.



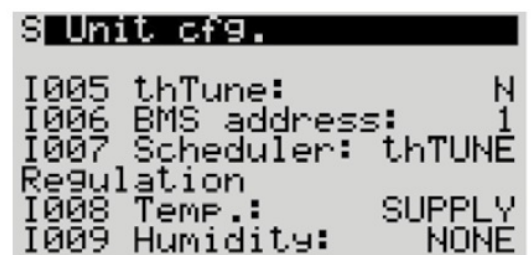
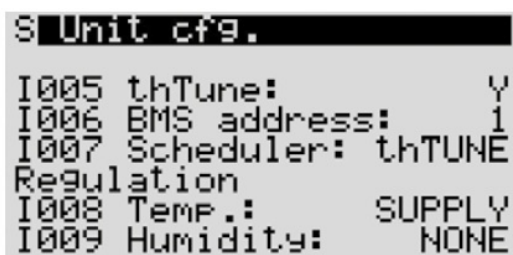
- The  button will light up. Pressing it displays the alarm code.

To continue the operation, perform the following steps:

- Press the Prg button to go to the main menu, use the  and  arrows to select the Unit cfg. section and press the  button to enter it.



- In the Unit cfg. section, select the I005 thTune parameter and change its value from Y to N.



If the control is via BMS, the parameter I005 Enable thTune management must be set to 0.

Alarm list

Alarm code	Alarm description	Reset	Action
A000	The supply temperature sensor not working	Automatic reset	Unit shutdown
A001	Cooling device alarm	Reset by user	Cooler shutdown
A002	Antifreeze alarm by DIN	Up to two times per hour (3600s), automatic reset of error, from the third time on, a manual reset required	Unit shutdown and forced 100% power heating
A003	Prototype software	Automatic reset	Unit shutdown
A004	High number of retained memory writings	Reset by user	No
A005	Error in retaining memory writings	Reset by user	No
A006	The return temperature sensor is broken and not working	Automatic reset	Changeover in the supply control mode
A007	The external temperature sensor is broken and not working	Automatic reset	Deactivation of outdoor air temperature compensation mode
A008	The CO ₂ air quality sensor not working	Automatic reset	Deactivation of CO ₂ control mode
A009	The exhaust temperature sensor not working	Automatic reset	Unit shutdown
A010	th-Tune offline	Automatic reset	Deactivation of indoor air temperature compensation mode
A011	Supply temperature out of range	Automatic reset	No
A012	Supply airflow alarm	Reset by user	Unit shutdown
A013	Return airflow alarm	Reset by user	Unit shutdown
A014	Humidifier alarm	Automatic reset	Humidifier shutdown
A015	Humidifier maintenance required	Automatic reset	No
A016	Return fan maintenance required	Automatic reset	No
A017	Supply fan maintenance required	Automatic reset	No
A018	Reheating coil maintenance required	Automatic reset	No
A019	Heat recovery maintenance required	Automatic reset	No
A020	Supply filters alarm	Automatic reset	No
A021	The th-Tune clock not working	Automatic reset	No
A022	th-Tune temperature sensor not working	Automatic reset	Deactivation of indoor air temperature regulation mode

A023	th-Tune humidity sensor not working	Automatic reset	Deactivation of indoor air humidity regulation mode
A024	BMS offline	Automatic reset	No
A025	The supply differential pressure sensor not working	Automatic reset	No
A026	Return differential pressure sensor not working	Automatic reset	No
A027	Fire alarm by digital input	Reset by user	Unit shutdown forced switching of fans to fire speed
A028	The heating coil water temperature sensor not working	Automatic reset	Unit shutdown forced switching to 100% bypass damper opening
A029	The preheating coil water temperature sensor not working	Automatic reset	Unit shutdown forced switching to 100% bypass damper opening
A030	After preheating the coil temp.sensor did not work	Automatic reset	Preheater shutdown
A031	Heating device alarm	Automatic reset to counter (filter timer) value (3 times 3600 s)	Heater shutdown
A032	Fire alarm by temperature	Reset by user	Unit shutdown forced switching of fans to fire speed
A033	Antifreeze alarm by heat backwater temperature	Automatic reset to counter (filter timer) value (3 times 3600 s)	Unit shutdown forced switching to 100% bypass damper opening
A034	Antifreeze alarm by preheat backwater temperature	Automatic reset to counter (filter timer) value (3 times 3600 s)	Unit shutdown forced switching to 100% bypass damper opening
A035	Fans overload alarm	Automatic reset	Unit shutdown
A036	The supply humidity sensor not working	Automatic reset	Humidifier shutdown
A037	Unit configuration is not allowed	Automatic reset	Unit shutdown

A038	Supply fan – Offline	Automatic reset	Unit shutdown
A039	Supply fan – Line Fault	Automatic reset	Unit shutdown
A040	Supply fan – Motor blocked	Automatic reset	Unit shutdown
A041	Supply fan – Fire alarm	Automatic reset	Unit shutdown
A042	Supply fan – Uin Low (FW 10)	Automatic reset	Unit shutdown
A043	Supply fan – Uin High (FW 10)	Automatic reset	Unit shutdown
A044	Supply fan – UZK low	Automatic reset	Unit shutdown
A045	Supply fan – UZK high	Automatic reset	Unit shutdown

A046	Supply fan – IGBT fault	Automatic reset	Unit shutdown
A047	Supply fan – Earth-GND fault	Automatic reset	Unit shutdown
A048	Supply fan – Peak current error	Automatic reset	Unit shutdown
A049	Supply fan – Hall sensor error	Automatic reset	Unit shutdown
A050	Supply fan – Offline	Automatic reset	Unit shutdown
A051	Supply fan – Phase Failure	Reset by user	Unit shutdown
A052	Supply fan – Motor blocked	Reset by user	Unit shutdown
A053	Supply fan – Mains undervoltage	Reset by user	Unit shutdown
A054	Supply fan – Mains overvoltage	Reset by user	Unit shutdown
A055	Supply fan – DC-link overvoltage	Reset by user	Unit shutdown
A056	Supply fan – DC-link undervoltage	Reset by user	Unit shutdown
A057	Supply fan – Motor overheating	Reset by user	Unit shutdown
A058	Supply fan – Internal circuit overheating	Reset by user	Unit shutdown
A059	Supply fan – Outer stage overheating	Reset by user	Unit shutdown
A060	Supply fan – Hall sensor error	Reset by user	Unit shutdown
A061	Supply fan – Communication error	Reset by user	Unit shutdown
A062	Supply fan – Generic error	Reset by user	Unit shutdown
A063	Supply fan – Outer stage high temperature	Automatic reset	Unit shutdown
A064	Supply fan – Internal circuit high-temperature	Automatic reset	Unit shutdown
A065	Supply fan – Motor high-temperature	Automatic reset	Unit shutdown
A066	Supply fan – Low DC-link voltage	Automatic reset	Unit shutdown
A067	Supply fan – Limited mains power	Automatic reset	Unit shutdown
A068	Supply fan – Limited mains current	Automatic reset	Unit shutdown
A069	Supply fan – Brake mode	Automatic reset	Unit shutdown
A070	Supply fan – Cable break	Automatic reset	Unit shutdown
A071	Supply fan – Freeze protection	Automatic reset	Unit shutdown
A072	Supply fan – Heating: motor stop	Automatic reset	Unit shutdown
A073	Supply fan – Speed under the limit	Automatic reset	Unit shutdown
A074	Supply fan – High DC-link voltage	Automatic reset	Unit shutdown
A075	Supply fan – High supply voltage	Automatic reset	Unit shutdown
A076	Supply fan – High line Impedance	Automatic reset	Unit shutdown
A077	Return fan – Offline	Automatic reset	Unit shutdown
A078	Return fan-line fault	Automatic reset	Unit shutdown

A079	Return fan – Motor blocking	Automatic reset	Unit shutdown
A080	Return fan – Fire alarm	Automatic reset	Unit shutdown
A081	Return fan – Uin Low (FW 10)	Reset by user	Unit shutdown
A082	Return fan – Uin High (FW 10)	Reset by user	Unit shutdown
A083	Return fan – UZK low	Reset by user	Unit shutdown
A084	Return fan – UZK high	Reset by user	Unit shutdown
A085	Return fan – IGBT fault	Reset by user	Unit shutdown
A086	Return fan – Earth-GND fault	Reset by user	Unit shutdown
A087	Return fan – Peak current error	Reset by user	Unit shutdown
A088	Return fan – Hall sensor error	Reset by user	Unit shutdown

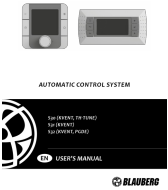
A089	Return fan – Offline	Reset by user	Unit shutdown
A090	Return fan – Phase failure	Reset by user	Unit shutdown
A091	Return fan – Motor blocked	Reset by user	Unit shutdown
A092	Return fan – Mains undervoltage	Reset by user	Unit shutdown
A093	Return fan – Mains overvoltage	Reset by user	Unit shutdown
A094	Return fan – DC-link overvoltage	Reset by user	Unit shutdown
A095	Return fan – DC-link undervoltage	Reset by user	Unit shutdown
A096	Return fan – Motor overheating	Reset by user	Unit shutdown
A097	Return fan – Internal circuit overheating	Reset by user	Unit shutdown
A098	Return fan – Outer stage overheating	Reset by user	Unit shutdown
A099	Return fan – Hall sensor error	Reset by user	Unit shutdown
A100	Return fan – Communication error	Automatic reset	Unit shutdown
A101	Return fan – Generic error	Automatic reset	Unit shutdown
A102	Return fan – Outer stage high temperature	Automatic reset	Unit shutdown
A103	Return fan – Internal circuit high temperature	Automatic reset	Unit shutdown
A104	Return fan – Motor high temperature	Automatic reset	Unit shutdown
A105	Return fan – DC-link low-voltage	Automatic reset	Unit shutdown
A106	Return fan – Limited mains power	Automatic reset	Unit shutdown
A107	Return fan – Limited mains current	Automatic reset	Unit shutdown
A108	Return fan – Brake mode	Automatic reset	Unit shutdown
A109	Return fan – Cable break	Automatic reset	Unit shutdown
A110	Return fan – Freeze protection	Automatic reset	Unit shutdown

A111	Return fan – Heating: motor stop	Automatic reset	Unit shutdown
A112	Return fan – Speed under the limit	Automatic reset	Unit shutdown
A113	Return fan – DC-link high-voltage	Automatic reset	Unit shutdown
A114	Return fan – High supply voltage	Automatic reset	Shutdown of VOC regulation
A115	Return fan – High line impedance	Automatic reset	No
A404	VOC air quality sensor malfunction	Automatic reset	No
A405	Supply filter 2 alarm	Automatic reset	Shutdown. Check-up of air humidity for natural cooling
A406	Return filter alarm	Automatic reset	No
A407	The fresh air humidity sensor not working	Automatic reset	No
A408	Preheating coil maintenance required	Automatic reset	No
A412	IEC humidifier maintenance required	Automatic reset	No
A413	Cooling device maintenance required	Automatic reset	No
A414	Cooling device 2 maintenance required	Automatic reset	No
A415	Heating device maintenance required	Automatic reset	No
A416	Heating device 2 maintenance required	Automatic reset	No
A417	Reverse device maintenance required	Automatic reset	No
A418	Reverse device 2 maintenance required	Automatic reset	No
A422	Out-of-design temperature limits alarm	Automatic reset	Opening air mixing unit or ventilation shutdown if mixing unit is not available
A429	Heat exchanger clogged	Automatic reset	The shutdown of heat recovery
A430	Door switch	Automatic reset	Unit shutdown

- THE ENGINEERING SETTINGS ARE PASSWORD PROTECTED.
- FOR A DETAILED DESCRIPTION OF ENGINEERING SETTINGS PLEASE REFER TO THE MANUAL FOR THE CONTROLLER SOFTWARE.
- PLEASE ASK THE UNIT SUPPLIER FOR THE MANUAL TO THE CONTROLLER SOFTWARE.
- The engineering menu enables the operation of the automation unit with the control panels A30 and A32 both individually and jointly. The automation system is operable also without a control panel.
- The system can be operated also with an external on/off switch.
- The automation unit has a built-in WEB interface and supports the Modbus and Bacnet protocols according to RS485 and Ethernet interfaces.

Please refer to the controller operation manual for information about the protocol setup.

Documents / Resources

	<p>BLAUBERG S30 Automatic Control System [pdf] User Manual</p> <p>S30, S30 Automatic Control System, Automatic Control System, Control System, System</p>
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References

- [User Manual](#)

[Manuals+.](#) [Privacy Policy](#)

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