EN ▸ Assembly instructions

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1 Overview

Electronic infinitely variable speed controller, type 30515

1 Digital timer
2 Indicator light
3 Day temperature setting
4 Night temperature setting
5 Speed controller
6 Operating mode selector switch

2 Brief description

The electronic stepless speed controller 0 - 10 V with integrated digital timer and room temperature control is suitable for controlling ventilation units.

3 General

3.1 About these instructions

These instructions ensure the safe and efficient handling of this equipment. These instructions form an integral part of the equipment and have to be kept in the direct vicinity of the equipment and available to personnel at all times.

All personnel must have carefully read through these instructions prior to commencing all work on the equipment. A fundamental prerequisite for safe working is compliance with all the stated safety instructions and other instructions contained in this manual.

In addition all local occupational health and safety at work regulations apply, as do general safety provisions governing the use of the equipment.

Illustrations in this guide are intended to provide a basic understanding and may differ from the actual model.

Ongoing tests and further developments may result in small variations between the unit supplied and the instructions.

3.2 Explanation of Symbols

WARNING!
This combination of symbol and signal word indicates a possible hazardous situation.

IMPORTANT NOTE!
It represents a potentially hazardous situation, which could lead to damage to property or for a measure to optimise workflows.

IMPORTANT NOTE!
This symbol highlights useful hints, recommendations and information for efficient and trouble-free operation.

4 Safety

4.1 Correct use

Intended use of the unit also includes adherence to these instructions.

Any use beyond or other than the stated intended use is considered as misuse.

Any modification to the unit or use of non-original spare parts will cause the expiry of the warranty and will invalidate the manufacturer's liability.

4.2 Risk from electrocution!

DANGER!
Risk of fatal injury from electrocution!
Contact with live parts will lead to fatal injury from electrocution. Damage to the insulation or individual components can lead to a fatal injury.

- Only permit qualified electricians to work on the electrical system.
- Immediately disconnect the system from the power supply and repair it in the event of damage to the insulation.
- Keep live parts away from moisture. This can cause a short circuit.
- Properly earth the unit.

4.3 Securing against reconnection

DANGER!
Risk of death by unauthorised or uncontrolled restart!
Unauthorised or uncontrolled restarting of the equipment can result in serious injury or death.

- Before restarting, ensure that all safety devices are fitted and working properly and that there is no hazard to humans.

4.4 Personnel requirements - Qualifications

Expertise

The installation of this product requires specialist knowledge of heating, cooling, ventilation, installation and electrical engineering.

Damage caused by improper installation is the responsibility of the operator or installer. The installer of these units should have adequate knowledge of the following gained from specialist professional training

- Safety and accident prevention regulations
- Country-specific guidelines and recognised technical regulations, i.e. Association of German Electricians (VDE) regulations, DIN and EN standards.

4.5 Personal Protective Equipment

Personal protective equipment is used to protect people from impaired safety and health when working with the unit. The applicable accident prevention regulations at the place of use apply in all cases.

5 Technical data

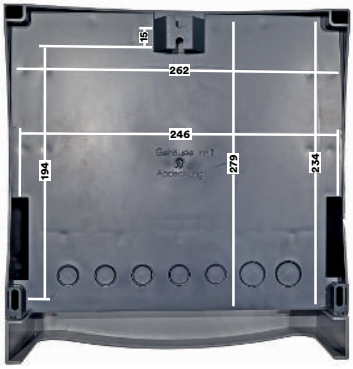
Designation	Unit	Values
Nominal voltage	V	100 - 240 V (+/- 10%)
Max. Back-up fuse	A	16
Max. rated current in total for air heaters and valve actuators	A	4
Max. Wire cross-section per terminal: Control, valve, power supply EC motor (All other terminals 2.5 mm²)	mm²	4
Max. Max. switching load of potential-free contacts	V/A	24 - 230 / 1
Permissible ambient temperature	°C	-10 - (+40)
Temperature setpoint day Setting range	°C	5 - 35
Temperature difference night Setting range	K	2 - 10
Switching differential temperature control Setting range	K	0,5
Protection class	IP	40
Dimensions W x H x D	mm	262 x 277 x 153
Room temperature sensor		
Protection class		54
Dimensions W x H x D	mm	50 x 50 x 35
color		gray, similar to RAL 7047

6 Installation and wiring

6.1 Installation

CAUTION!
Risk of injury from sharp metal housing!
The inner metal of the casing can have sharp edges.

- Wear suitable protective gloves.



- Take into consideration the IP class of the controller (see "Technical data") when selecting the position of the unit.
- Remove the screws from the terminal cover and remove the terminal cover.
- Screw the unit to the wall (drill hole distances on the back of the unit).

Installing the room temperature sensor

The room temperature sensor measures the temperature at the installation location. Therefore, select the installation location so that the temperature measurement is not impaired.

Room temperature sensor, part no. 1035642

The installation height is approx. 1.5 - 2 m above the floor. The sensors

should not be installed

- on poorly insulated external walls,
- directly next to doors and windows (draughts), behind curtains, drapes or furnishings,
- in areas exposed to direct sunlight,
- in the air flow of heating appliances,
- above or next to other sources of external heat, such as radiators, TV sets, lamps, etc.

Observe the permissible cable length (see cable routing)!

7 Electrical connection

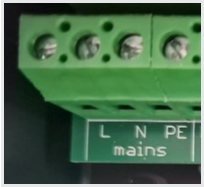
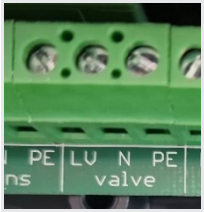
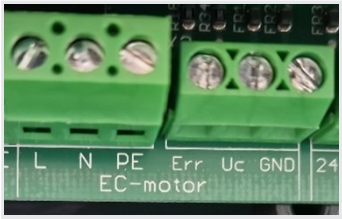
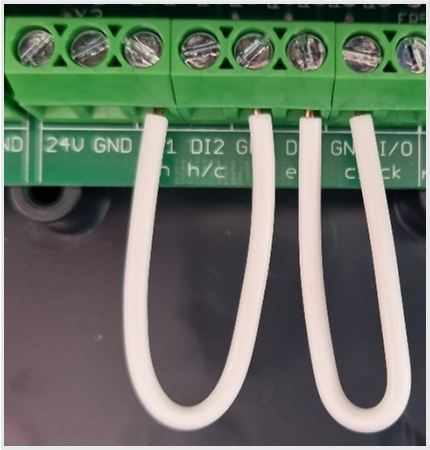
Image section Connection terminals	Terminal Description
	Connection supply voltage 230 V AC / 50 Hz
	Valve actuator connection 230 V
	Fan connection: ▸ Alternative supply voltage for the fan ▸ Fan fault signal connection
	Connection of digital inputs: ▸ Input 24 V (max. 20 mA) ▸ DI1: Enable (jumper inserted at the factory) ▸ DI 2: Heating/cooling mode ▸ DI 3: Activation of condensate alarm (jumper inserted at the factory) ▸ I/O: Day / night message for downstream devices
	Analog input connection for room temperature sensor provided

Image section Connection terminals	Terminal Description
	Frost protection connection (optional) (jumper inserted at the factory)
	Operating message output: ▸ Floating contact ▸ 24 V AC/ DC - 230 V AC 4(2) A
	Collective fault signal output: ▸ Collective fault signal (motor, condensate) ▸ Floating contact ▸ 24 V AC/ DC - 230 V AC 4(2) A
	Fuse protection: ▸ Device protection fuse 5x20 mm, T5AL

Parallel operation of several devices

- The maximum current carrying capacity of the control unit must not be exceeded (see technical data).
- Connect all motor windings in parallel according to the circuit diagram.
- Connect the fault signaling contacts of all motors in parallel according to the circuit diagram.

7.1 Inputs and outputs

Digital inputs		
External enable	Enable	Input DI1-GND closed
	No enable	Input DI1-GND open
Switchover heating/cooling	Heating	Input DI2-GND open
	Cooling	Input DI2-GND closed
Condensate alarm	Fault	Input DI3-GND open
	No fault	Input DI3-GND closed
Fan fault	Fault	Input Err-GND open
	No fault	Input Err-GND closed
Clock (alternatively as output*1)	Day mode	Input IO-GND closed
	Post-operation	Input IO-GND open

Analog inputs		
Room temperature sensor*2)		AI1-GND
Multifunction input*2)		MI1-GND

Digital outputs		
Valve actuator open/closed	digital	0 - 230 VAC
Operating signal	Floating contact	24 VAC//DC - 230 VAC 4(2) A
Fault signal*3)	Floating contact	24 VAC//DC - 230 VAC 4(2) A
Clock (alternatively as input)	Digital	0 - 24 VDC

Analog outputs		
Speed signal	Analog	0 - 10 VDC

*1) Necessary internal clock setting: continuous night operation!

*2) Averaging possible via four room sensors

*3) The relay is switched on in normal operating mode. The relay contact drops out when / if:

- no mains voltage is present.
- Frost alarm
- Cable break or short circuit of the temperature sensors
- Condensate alarm
- EC motor error message
- Room cooling protection

7.2 VERLEGEPLAN_30515.pdf

Information on cable laying:

The following information on cable types and cable laying must be observed in compliance with VDE 0100.

The installation, operation and maintenance of these devices must comply with the country-specific applicable laws, standards, regulations and directives.

Without *: NYM-J. The required number of cores incl. protective conductor is indicated on the cable. Cross sections are not indicated, as the cable length is included in the calculation of the cross section.

*): Shielded cable (e.g. J-Y(St)Y, 0.8 mm), max. 100 m, laid separately from power cables!

**): Shielded cable (e.g. J-Y(St)Y, 0.8 mm), laid separately from power cables!

***): Bridge ex works

- If other cable types are used, they must be at least equivalent.

- The connection terminals on the device are suitable for a maximum wire cross-section of 2.5 mm², the mains plug for max. 4.0 mm².

- When using residual current circuit breakers, these must be at least mixed frequency sensitive (type F). For the design of the rated residual current, the specifications from DIN VDE 0100 Parts 400 and 500 must be observed.

- For the design of the on-site mains supply and fuse protection (C16A, max. 10 devices), the electrical data in the table below must be observed.

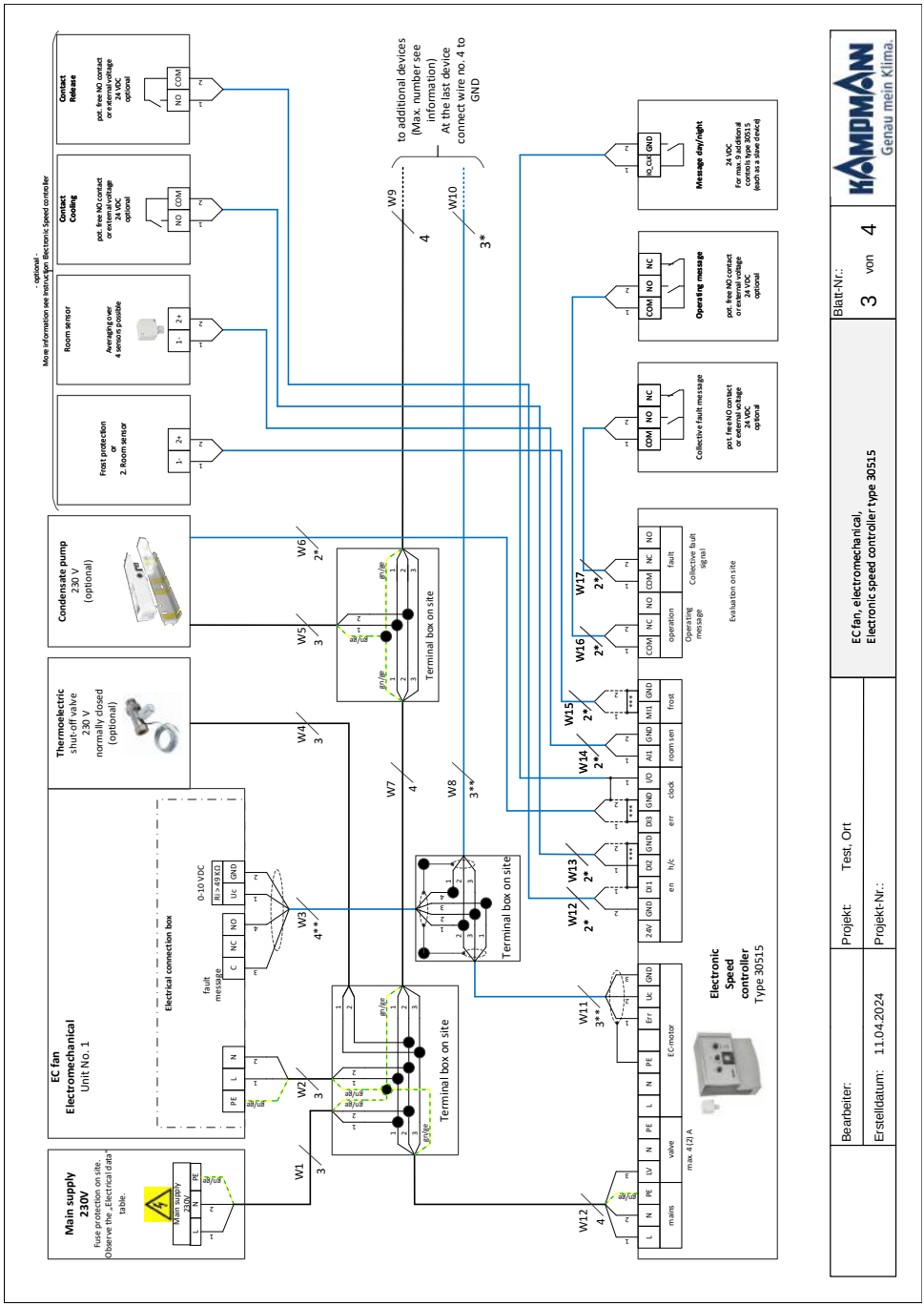
- Lines for data or bus signals are shown with shield connected at one end. Lines for analog signals are shown with the shield not connected. Due to structural or local conditions and depending on the type and level of interference, which can be caused by magnetic and/or electric fields in high and/or low frequency ranges, among other things, a different connection of the shield (connected at both ends or not connected) may be necessary. This must be checked by the customer and, if necessary, carried out deviating from the specifications in the documentation!

Electromechanical:

- Cable length between speed controller and the last device: maximum 100 m, from 20 m connect shield on one side.

- Cable length between room thermostat and temperature sensor or switch contact: maximum 50 m.

- Cable length between speed controller and temperature sensor or switching contact: maximum 100 m.


- optional -
More information see Instruction Electronic Speed controller
Main supply 230V
Fuse protection on site.
Observe the „Electrical data" table.
EC fan
Electromechanical
Unit No. 1
Electrical connection box
fault message
0-10 VDC
Ri > 49 kΩ
Thermoelectric shut-off valve 230 V normally closed (optional)
Condensate pump 230 V (optional)
Frost protection or 2. Room sensor
Room sensor
Averaging over 4 sensors possible
Contact Cooling
pot. free NO contact or external voltage 24 VDC optional
Contact Release
pot. free NO contact or external voltage 24 VDC optional
to additional devices (Max. number see information) At the last device connect wire no. 4 to GND
Terminal box on site
Terminal box on site
Terminal box on site
Electronic Speed controller Type 30515
mains
valve
max. 4 (2) A
EC-motor
Collective fault message
pot. free NO contact or external voltage 24 VDC optional
Operating message
pot. free NO contact or external voltage 24 VDC optional
Message day/night
24 VDC
For max. 9 additional controllers 30515
(each as a slave device)
Evaluation on site
Collective fault signal
Operating message
Bearbeiter:
Erstelldatum: 11.04.2024
Projekt: Test, Ort
Projekt-Nr.:
EC fan, electromechanical,
Electronic speed controller type 30515
Blatt-Nr.: 3 von 4
KAMPMANN
Genau mein Klima.

8 Pre-commissioning checks

During initial commissioning, it must be ensured that all necessary requirements are met so that the appliance can function safely and as intended.

- Check whether all lines have been properly laid.
- Check whether all lines have the necessary cross-section.
- Are all wires connected in accordance with the electric wiring diagrams?
- Is the earth wire connected and wired throughout?
- Check all external electrical connections and terminal connections are fixed in place and tighten if necessary.
- Check that all fault signal contacts of the fan motors are connected correctly.
- Check whether the \"condensate pump condensate alarm\" contacts are connected correctly.
- Check whether the external release contact is connected correctly.

9 Commissioning

Commissioning the speed controller

- Check the factory settings of the DIP switches from 1 to 4:

DIP 1 = ON	DI 1 and DI 2 as potential-free NO contacts
DIP 2 = ON	MI 1 as frost protection contact (factory setting)
DIP 3 = OFF	
DIP 4 = OFF	Room cooling protection active (factory setting)

- Set the speed controller to the OFF position
- Switch on the supply voltage. If there is no fault, the indicator light is permanently green (\"Ready for operation\").
- Set the \"Operating modes\" rotary knob and the speed controller to the \"Manual\" position. The fan runs at the preselected speed in continuous operation. Depending on the operating status, the indicator light is in heating mode (flashing green) or cooling mode (flashing green)

9.1 DIP switch

DIP 1		**Digital input 1 and 2 (DI1, DI2)**
ON		Floating NO contact (factory setting)
OFF		active 24 VDC
DIP 2	**DIP 3**	**Multifunction input (MI1)**
OFF	OFF	Frost protection sensor
ON	OFF	Frost protection contact (factory setting)*
---	ON	Room sensor
DIP 4		**Room cool-down protection**
ON		Inactive
OFF		Active (factory setting)

*Jumper inserted ex works (thus frost protection contact deactivated)

9.2 Potentiometer

Speed limitation

Setting or limiting the minimum and maximum output voltage at the analog output Uc in the range from 1 V to 10 V. In the factory settings, the \"min Speed\" potentiometer is in the minimum position and the \"max Speed\" potentiometer is in the maximum position. The minimum speed limitation can be set as a priority to ensure that the motor starts up safely.

Sensor - Offset

Calibration and adjustment option for the room sensor at the installation location. The adjustment range is +/- 3 K (factory setting = middle position = neutral).

Hysteresis

The adjustable hysteresis in automatic speed mode is between 1 K (min. position) and 5 K (max. position). The speed of the fan changes in relation to the temperature difference depending on the set hysteresis. At the value set on the potentiometer, the fan speed reaches its maximum value (factory setting approx. 3 K, middle position).

9.3 Room cooling protection

The \"Room cool-down protection\" function has a higher priority than all operating functions and works independently of the external enable contact. The function is activated via the \"OFF\" position of the speed switch if it is enabled via DIP switch 4 = OFF. At a room temperature below 5°C, the room cool-down protection is activated and deactivated again at a room temperature above 7°C (the system returns to its original operating status). When the function is active, the fan is controlled at the maximum set speed and the valve is opened.

The function is not active if / when:

- there is a motor fault.
- Frost alarm.
- Condensate alarm.
- Cable break or short circuit in the room sensor cable.

9.4 Frost alarm

The frost alarm is deactivated on delivery via the position of DIP switches 2 and 3, as well as a bridge between MI1/GND. The multifunction input can be enabled for a frost protection sensor or a frost protection contact using the DIP switches. Frost protection has priority over all operating functions.

Frost protection contact: The frost protection contact is enabled when DIP switch 2 is set to ON and DIP switch 3 is set to OFF. If the contact is closed, the frost alarm is inactive. If the contact is open, the frost alarm is active.

Frost**protection sensor:** The frost protection sensor is enabled when DIP switch 2 is set to OFF and DIP switch 3 is set to OFF. The switching threshold for the frost protection sensor is 8°C.

If the frost alarm is active, the valve is opened in heating and cooling mode and the fan is switched off. The fault must be reset via the OFF position of the speed controller or by switching off the mains voltage. If the fault has not been rectified, the fault cannot be acknowledged. As soon as the fault has been successfully acknowledged, the system returns to its original operating status.

9.5 Fan overrun

Functional description of fan overrun (available from 2024)

Switch on the overrun function:

- Switch DIP switch 4 on and off 3 times within 10 seconds.
- The (green) LED flashes briefly 3 times.

Switch off the overrun function:

- Switch DIP switch 4 on and off 3 times within 10 seconds.
- The (green) LED flashes briefly 4 times.

Run-on time: 5 minutes

Overrun control voltage: 5 V

If the control is in the run-on time, this is indicated by the green LED flashing twice.

The valve is closed during the run-on time.

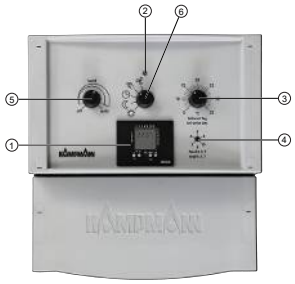
The overrun function remains activated even after a power failure and does not need to be reactivated via DIP switch 4.

10 Operation

Commissioning

Once all system components have been properly installed and all connections have been checked for correctness, the system may be put into operation.

- Switch on the supply voltage.



1	Digital timer	2	Indicator light
3	Day temperature setting	4	Night temperature setting
5	Speed controller	6	Rotary knob \"Operating modes\"

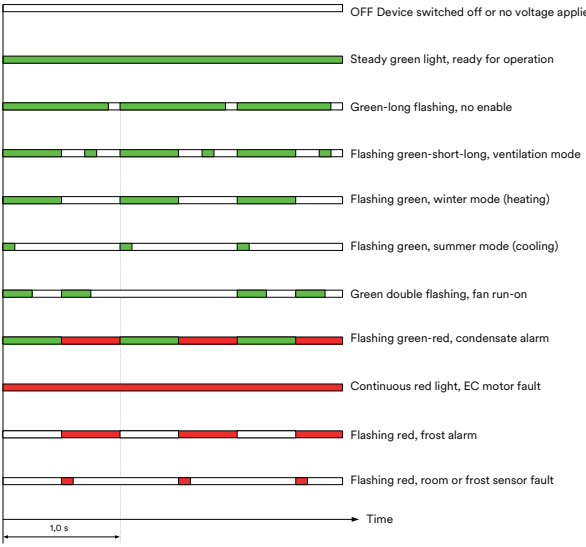
① Digital timer

Setting the times for switching **from** day/ night mode; Description,**see**. Timer operation

② Indicator light

The indicator light shows the current operating status of the system. The various status messages are shown in the flashing code for the indicator light.

- In the event of a \"Room and frost sensor error\", check the cable for a short circuit or cable break. In both cases, the fan is off and the valve is open. Once the fault has been rectified, the system returns to its original operating status.
- The \"Frost alarm or room cooling protection\" fault may have to be acknowledged via the OFF position of the speed switch (when the frost alarm is triggered).
- With the \"EC motor error\" error, there is a fault on the fan. This must be reset via the OFF position of the speed controller or by switching off the mains voltage. If the fault has not been rectified, the fault cannot be acknowledged.



Flash code 30515

Note: After a power failure at the fan, a fault message appears for approx. 10 seconds after the power is switched on again. This can only be acknowledged after this time has elapsed. A motor fault is only output if an error persists for longer than one minute or occurs at least three times within one minute.

③ Temperature setting for day mode

Setting the desired room temperature during the daytime operating phase.

④ Night mode temperature setting

Setting the desired room temperature night setback in heating mode or night increase in cooling mode during the night mode phase.

⑤ Speed controller and ⑥ \"Operating modes\" rotary knob

Function		Off*	Speed controller (manual)	Speed controller (Auto)
Rotary knob \"Operating modes\"	Day	Off	On/Off depending on the day setpoint with manually set speed in the range of the set minimum and maximum limits	Speed depending on the deviation of the actual temperature from the day setpoint in the range of the set minimum and maximum limits
	Night	Off	On/Off depending on the night setpoint with manually set speed in the range of the set minimum and maximum limits	Speed depending on the deviation of the actual temperature from the night setpoint in the range of the set minimum and maximum limits
	Clock	Off	On/Off depending on the time program depending on the day or night setpoint with manually set speed in the range of the set minimum and maximum limits	Speed depending on the deviation of the actual temperature depending on the time program to the day or night setpoint in the range of the set minimum and maximum limits
	Manual	Off	Continuous operation (independent of temperature control) with open valve and manually set speed in the range of the set minimum and maximum limits	Continuous operation (independent of the temperature control) with the valve open at maximum speed in the range of the set minimum and maximum limits
	Ventilation	Off	In day mode Continuous operation (independent of the temperature control) with closed valve at manually set speed in the range of the set minimum and maximum limits	In day mode Continuous operation (independent of the temperature control) with closed valve at maximum speed in the range of the set minimum and maximum limits

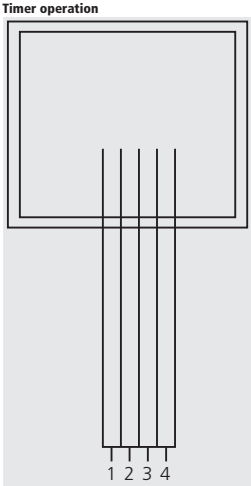
*) If the speed controller is in the \"OFF\" position, the appliance is switched off. Depending on the DIP switch settings, the appliance frost protection (DIP switches 2 and 3) and room cooling protection (DIP switch 4) functions remain active.

Unlocking motor fault

The motor fault is reset either by the OFF position on the speed controller or by switching off the mains voltage. A motor fault is only output if a fault is present for longer than one minute or occurs at least three times within one minute.

Note: The valve is closed during the motor fault!

Timer operation



Connection

1 = +3.4 V (red

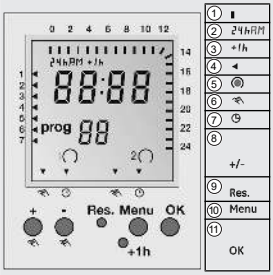
2= 0 V

3 = Channel 1 output

4 = Channel 2 output

(channel 2 is not used)

Display/ operating elements



① Overview of daily switching program

② Setting to 24 h or AM/PM display format

③ Changeover to summer/winter time

④ Weekday display

⑤ ON/OFF display

⑥ Manual operation / constant ON / constant OFF

⑦ Automatic operation

⑧ Setting buttons: Set the timer by pressing the button (for longer than 2 seconds).

⑨ Reset

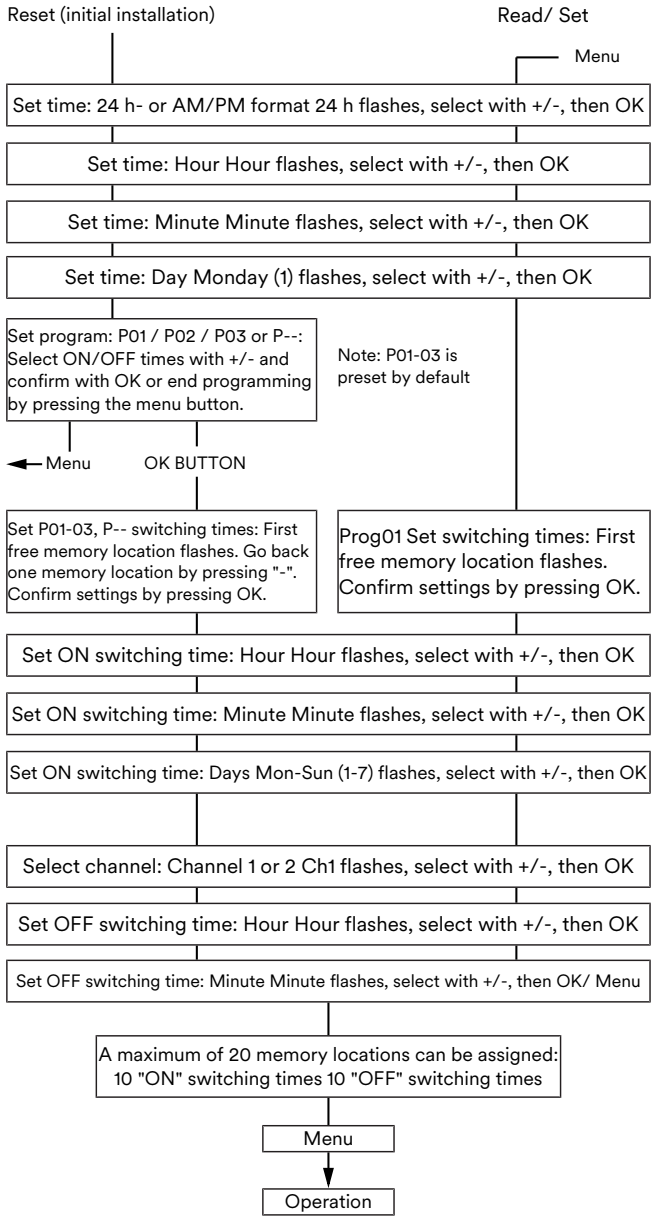
⑩ End programming by pressing the menu button, the system returns to automatic mode.

⑪ Confirm the programming

Note for operation:

Do not use metallic, pointed objects (such as needles) for buttons that are operated with a tool.

Program structure



Setting the timer

The procedure for programming the timer depends on whether preset and individual programs are to be used. The procedure is different.

Preset programs (initial installation):

The following values can be set using the RESET button:

- 24 h or AM/PM format
- Time (hour and minutes)
- Day of the week
- Preset programs P01 to P03

Individual programs (menu mode):

The following values can be set using the MENU button:

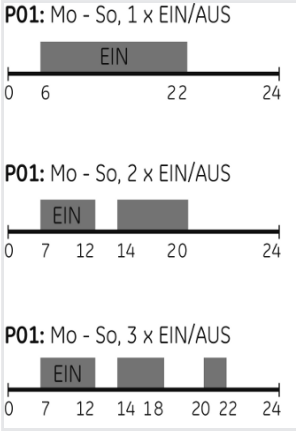
- 24 h or AM/PM format
- Time (hour and minutes)
- Day of the week
- Programs P--

Setting the time format, time, day of the week

Select the programming procedure (RESET or MENU mode) and proceed as follows:

	**Set display format 24 h or AM/PM**  ▸ Select 24 h or AM/PM (+/-) and confirm with OK.
	**Setting the hours**  ▸ Select hour (+/-) and press OK to confirm.
	**Setting the minutes**  ▸ Select minutes (+/-) and press OK to confirm.
	**Setting the day of the week**  ▸ Select the day of the week (+/-) and press OK to confirm. 1 = Monday / 2 = Tuesday / 3= Wednesday / 4 = Thursday / 5 = Friday / 6 = Saturday / 7 = Sunday

Preset programs

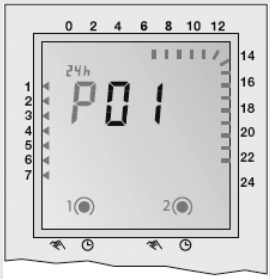


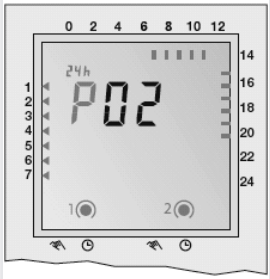
Programs P01-03:

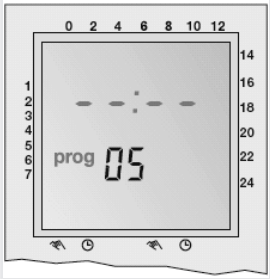
The switch-on and switch-off times for programs P01 to P03 are preset (pre). The user can change these programs.

Individual program, P--:

An individual program can be created under the menu option P--. This program can be changed at any time. A total of 20 memory locations are available for 10 OFF and 10 ON switching commands. Each memory location can be assigned a corresponding weekday or week block.







Selection of the preset programs:

Procedure after setting the time in reset mode:

- Select preset program.

After selecting the desired program, the following options are available:

Menu: Exit programming.

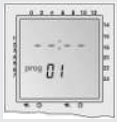
OK: Call up preset programs with the OK button to either change the selection (programmed ON or OFF switching commands can be changed with the ""+"" or ""-"" buttons and confirmed with OK) or to accept them with the OK button. This also gives you the option of switching to the next free memory location to add new individual programs.

After selecting P02, you should also program:

Sat-Sun 22:30 **ON** (prog05) // 23:00 **OFF** (prog06)

Individual programs P-- prog

Procedure after setting the time and day of the week in menu mode or after adding programs to the preset programs P01 to P03:



Set program ON

- Set program and confirm with OK.

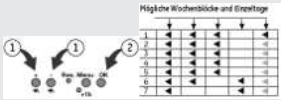
Setting the hours

- Select hour (+/-) and confirm with OK.

Set minutes

- Select minutes (+/-) and press OK to confirm.

Set the day of the week



- Select the day of the week (+/-) and press OK to confirm.

Set hours OFF

- Select hour (+/-) and press OK to confirm.

Set minutes OFF

- Select minutes (+/-) and press OK to confirm.

Setting the day of the week OFF

- If the OFF and ON switching takes place on the same day, either end the programming with the menu button or carry out a new ON switching program with the OK button.

Shift

- If the OFF switching takes place on the next day, first press the \"+\" button and then the MENU or OK button.

Example

Monday - Friday

20:00 - 03:00 **ON**

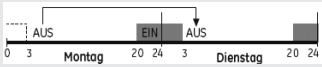
03:00 h - 20:00 h **OFF**

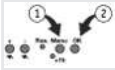
Monday - Friday

20:00 h - 03:00 h **ON**

Tuesday - Saturday

03:00 h - 20:00 h **OFF**





- MENU button and then the OK button until the ON switching time of the program to be deleted appears.

- Select \"-\" (+/-) and confirm with OK.

Note: Switching programs are deleted in ON/OFF pairs. When an ON command is deleted, the associated OFF command is also deleted.

Automatic mode/ continuous mode

- The \"+\" button can be used to switch between automatic operation constant ON - constant OFF (Ch1).

Technical data timer

Dimensions W x H x D	32.4 x 41.6 x 14.9 mm
Installation depth	12 mm
Weight approx.	22 g
Rated voltage	3.4 - 6 V DC
Current consumption without load	0.015 mA at 3.4 V DC
Switching output -transistor	CMOS
Switching capacity DC -CMOS	0.1 mA at 3.4 V DC
Power reserve*	3 years ex works at 20 °C
Accuracy	typ. ±2.5 s/day at 20 °C
Ambient temperature**	-10 °C to + 55 °C
Shortest switching time	1 min
Shortest switching interval	1 min
Number of channels	1
Number of memory locations	20
Switching preselection (override)	Yes
Switching status display	Yes
Summer/winter time changeover	Button ± 1 h
Connection type	4-pole flat cable
Approvals according to	EN 60730-1 EN 60730-2-7

11 Faults

The following chapter describes possible causes of faults and the work needed to rectify them. Should faults occur frequently, shorten the maintenance intervals in line with the actual loading on the unit.

Contact the manufacturer with any faults that cannot be rectified using the following information.

Behaviour in the event of faults

The following applies:

1. Immediately switch off the unit with faults that pose an immediate danger to persons or property!
2. Determine the cause of the fault!
3. Switch off the unit and prevent it from being reconnected if rectifying the fault requires work in the hazard area. Immediately advise a supervisor on site about the fault.
4. Either rectify the fault yourself or have it repaired by authorised personnel, depending on the nature of the fault.

The Fault table [▷ 20] provides information on who is authorised to rectify and remedy faults.

11.1 Fault table

Fault	Possible cause	Remedy
Despite a heating or cooling request, the indicator light is permanently green (ready for operation)	Make contact or cable jumper for cooling changeover connected and DIP switch 1 set to OFF.	Set DIP switch 1 to ON. Note that the external release contact also changes.
	24 VDC connected to cooling changeover contact and DIP switch 1 set to ON.	Set DIP switch 1 to OFF. Note that the external release contact also changes.
Indicator light flashes red/green	Condensate alarm in heating mode	Check condensate drain; check heating/cooling switchover
Fault Frost alarm/room cool-down protection cannot be acknowledged.	DIP switch settings do not correspond to the component connected to the multifunction input.	Check DIP switches 2 and 3: Frost protection sensor: OFF, OFF Frost protection contact: ON; OFF 2nd room sensor: ---; ON

EN ▸ Assembly instructions

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12 Konformitätserklärung Elektronische Drehzahlregelung Typ 30515.pdf

WIR ELEKTRISIEREN!
Vrielmann

EG-Konformitätserklärung

Gemäß der EG-Niederspannungs-Richtlinie 2014/35/EG gemäß Anhang III B; vom 26. Februar 2014

Hiermit erklären wir, dass das nachstehend bezeichnete Produkt in ihrer Konzeption und Bauart sowie in der von uns in Verkehr gebrachten Ausführung den grundlegenden Sicherheits- und Gesundheitsanforderungen der EG-Richtlinie Niederspannung entspricht. Bei einer mit uns nicht abgestimmten Änderung des Produktes verliert diese Erklärung ihre Gültigkeit.

Hersteller/Bevollmächtigter:

Vrielmann GmbH
Heinrich-Focke-Straße 25
48531 Nordhorn
www.vrielmann.com

Beschreibung des elektrischen Betriebsmittels:

- Funktion: elektronische raumtemperaturabhängige stufenlose Drehzahlregelung für Ventilatoren
- Typ/Modell: 30515
- Seriennummer: 1999413
- Baujahr: 2024

Jahreszahl der CE-Kennzeichenvergabe :

Ort/Datum : Nordhorn 2024

Angabe/Identität zur Person des Unterzeichners :
(Name, Position)

Günter Bouwer, Abteilungsleiter Elektronik&Serienfertigung

Unterschrift :

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WIR ELEKTRISIEREN!

EG-Konformitätserklärung

Gemäß der EG-Niederspannungs-Richtlinie 2014/35/EG gemäß Anhang III B; vom 26. Februar 2014

Hiermit erklären wir, dass das nachstehend bezeichnete Produkt in ihrer Konzeption und Bauart sowie in der von uns in Verkehr gebrachten Ausführung den grundlegenden Sicherheits- und Gesundheitsanforderungen der EG-Richtlinie Niederspannung entspricht. Bei einer mit uns nicht abgestimmten Änderung des Produktes verliert diese Erklärung ihre Gültigkeit.

Hersteller/Bevollmächtigter:

Vrielmann GmbH
Heinrich-Focke-Straße 25
48531 Nordhorn
www.vrielmann.com

Beschreibung des elektrischen Betriebsmittels:

- Funktion: Raumtemperaturfühler
- Typ/Modell:
- Seriennummer: 1035642
- Baujahr: 2024

Jahreszahl der CE-Kennzeichenvergabe :

Ort/Datum : Nordhorn 2024

Angabe/Identität zur Person des Unterzeichners :
(Name, Position)

Günter Bouwer, Abteilungsleiter Elektronik&Serienfertigung

Unterschrift : _____

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https://www.kampmanngroup.com/hvac/accessories/196000030515

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