



Safety



Hazard! If these instructions are not complied with, there is a risk of life and limb and property damage!



Please comply with the Operating Instructions! Incorrect handling may result in serious injuries. Read the Operating Instructions before using the unit.

Description

easywash365+ motor control

- Optional operation of motors with 4 - 7.5kW power at 400VAC, 50Hz.
- Optional operation of the control with 2 pressure switches or 1 flow switch or without a control signal..
- Delayed Total-Stop of Pump: 30 sec.
- In the event of inactivity, the control is switched off after 15 minutes.
- Prepared for remote on-off.
- Control of the power contactor to protect the small control unit, contactless.
- Stahlblech-Wandgehäuse BxHxT 380x380x210mm,
- IP 65, RAL7035 powder-coated,

equipped essentially with:

- Supply: 400VAC, 50Hz, 3Ph / N / PE with main switch (cam switch) 25A
- Control voltage conditioning 24VDC, 2.5A with backup fuse 2A
- Motor outlet with power contactor 7.5kW and wide-range motor protection switch 8-32A
- LOGO small control unit
- 1 operating hours counter (IP 65) and 2 command and signaling devices built into the door

- ① = Motor protection switch
- ② = LOGO control
- ③ = Terminal block - XT 30
- ④ = Hour counter
- ⑤ = Main switch
- ⑥ = Button on
- ⑦ = Button off
- ⑧ = Cable feeds
- ⑨ = Lock (with key)

Fixings:
 rotatable by 90 °



General Safety Notes

- To ensure safe operation, the controller may only be operated in accordance with these operating instructions.
- Keep the Operating Instructions in a safe place for later reference.
- Read the safety data sheets.
- Comply with the corresponding safety and processing instructions.
- After turning the main switch to "Off" there is still voltage inside.

Applied harmonized standards, in particular:
DIN EN 61439-2 2016-09
DIN EN 60204-1 2014-10
DGUV V3 2005-01

Info

Moreover, the required safety and legal regulations for the respective type of use must be observed. This also applies to any accessories.

Intended Use



The control is not intended to be used by people with limited physical, sensory and mental capabilities due to a lack of experience and / or knowledge, unless they are supervised by a person responsible for your safety or have received instructions from them on how to operate the device is to be used. **Children are generally not allowed to operate this control unit.**

The control system should only be installed in a room provided for it. The control must be installed in such a way that it can only be opened by authorized persons. The connection may only be carried out by authorized specialist personnel. The control is delivered without mounting material. The control was designed to operate electric motors with a flange-mounted HP pump and a circulation valve.

The control unit may only be connected to a properly installed 400V / 16A socket or to a sub-distributor, taking into account the applicable regulations.

The control is suitable for motors from 4 - 7.5 KW.

Depending on the motor used, the existing motor protection switch must be set accordingly.

The motor protection switch is set for 4KW in the delivery condition. When using a motor smaller than 4 KW, a corresponding motor protection switch can be installed.

The Siemens logo built into the control is set as follows: When the high-pressure gun is closed, the motor overrun time is 30 seconds. If the gun is not operated during these 30 seconds, the motor is switched off.

After 15 minutes in which the gun is not actuated, the system switches off completely. and can only be switched on again by pressing the on button.

On delivery, 2 bridges are built into the control, from terminal 4 to terminal 9 and from terminal 2 to terminal 6. In this version, a motor with a high-pressure pump can be operated without an after-run time or shutdown.

The connection of two pressure switches is carried out as follows: The 40 bar pressure switch (e.g. article 200 007 800) is used as an opener. To do this, one wire is connected to terminal 4 and one wire to terminal 8 of the controller. The cable bridge from terminal 4 to terminal 9 must be removed. The 25 bar pressure switch (e.g. article 200 007 801) is used as a normally open contact. To do this, a cable is connected to terminal 3 and a cable to terminal 7.

In this variant, the run-on time and the switch-off time are activated. When connecting a flow switch (e.g. article 200 007 500 or 200 007 510), proceed as follows: The flow monitor is connected as a normally open contact. One wire to terminal 8, one wire to terminal 4. The cable bridge from terminal 4 to terminal 9 must be removed. In this variant, the delay time and the switch-off time are activated!

From plan no.: RM 09 there is the option of connecting a temperature switch (item 910513560 or 910513585) between terminals 10 + 11. In this case, the existing bridge is omitted.

When using a remote control, the cable bridge from terminal 2 to terminal 6 must be removed. The remote control (1 x button on and 1 x button off) are connected to terminal 1; 5 and 6 clamped.

The indicator lights are not available on the remote control.

All information on the terminals refer to the -XT30 terminal block.

Any modification and / or intervention in the configuration in the controller is not permitted and will immediately void the warranty.

We do not accept any liability for changes to the installed Siemens logo software.

We are not responsible for incorrectly connected or technically defective devices or parts.

All components used must be VDE-compliant and CE marked, as far as this is necessary.

Qualified Personnel

The motor control may only be installed by qualified personnel who are able to use the electrical system properly. Qualified personnel are people who are familiar with installation, commissioning and decommissioning, operation, maintenance and repair and who have a qualification appropriate to their work. It is also essential to adhere to the operating instructions and the legal requirements.



Info

Subject to technical changes!

Maintenance / Inspection

The operating company provides for regular maintenance / inspection by corresponding personnel according to the applicable legal provisions (Germany: DGVU + TRBS 1201)