



Installation and operating instructions

AUS 11 - Pressure button-controlled shower for heat regulated water

BASIC TECHNICAL DATA

Water running period:	1 s – 45 min. (step 1 s) – preset to 3 minutes
Pause	0s, 5s – 45 minutes (step 1 s) – preset to 30 s
Supply voltage:	12 V, 50 Hz
Input:	6 VA
Water pressure:	0.1 – 1.0 MPa
Recommended voltage source:	ZAC 1/20 (max. 3 x AUS 11) ZAC 1/50 (max. 8 x AUS 11)
Weblink:	AUS 11

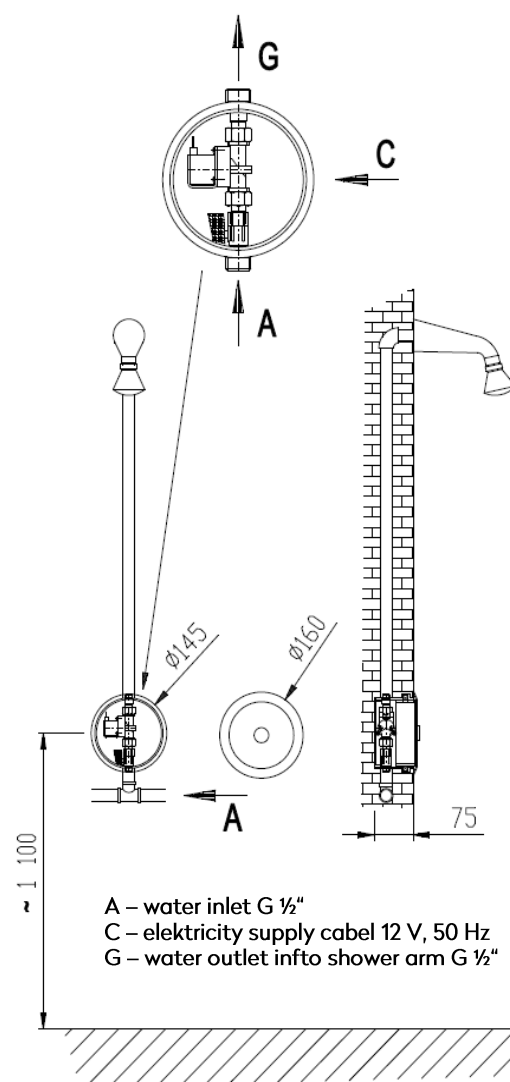
Function of automatic shower unit

- AUS 11 is a wall-mounted stainless steel control unit with a plastic mounting box for controlling one shower connected to a pre-mixed water source.
- After touching the button, the water starts running and keeps running for the preset period. It can be stopped any time by another push of the button. This cycle can be repeated as many times as desired until exhausting the preset water-running period (only the water-running period is calculated). Exhaustion of the preset amount of water is followed by a pause when the water is not running. If the button is pushed during this period, nothing happens; the water is not running. The pause can be adjusted within 0 and 45 minutes. Therefore, if the pause is set to 0, the water can be activated any time by pressing the button.

Installation

Construction preparation

- A recess in the wall with an approximate diameter of 150 mm and depth 80 mm with a concreted mounting box on the level of the tiles or at most 15 mm below. The box must not protrude over the tiling. Water supply terminated by internal 1/2" thread according to the figure, and output into the shower arm. When walling up the box, we recommend inserting a polystyrene block into it to protect the inner part of the box (including the rubber seal) against pollution.
- A filter for removing mechanical particles from the water must be installed in the inlet to the shower or a group of showers. This will increase reliability of the solenoid valve.
- Power supply cable CYKY 2Ax1.5 for 12V, 50Hz (from the ZAC source).
- The edge of the box must be sealed by a suitable (silicone) sealant to prevent leaking water into the wall.





Assembly

1. Connect supply cable 12V, 50 Hz for the electronic system – the polarity does not matter.
2. Connect blade connectors to the valve – the polarity does not matter.
3. Check the operation.
4. Set the water-running time, the pause and flow.
5. Moisten the rubber seal in the box and push the cap down to the stop in the wall. To increase resistance against leakage of water to the wall, you can seal the cap to the tiling – the top 3/4 of the perimeter; do not seal the bottom.

Setting

- The shower can be adjusted only within 20 minutes after switching on the power. If the shower has been under voltage for a longer period, it is necessary to disconnect the supply voltage, wait approximately 5 seconds, restart and start with the adjustment within 20 minutes. Change from the operating mode to the adjustment mode is achieved by placing a magnet about 30 mm above the diode for at least 1 second.
- **Adjustment** – Place the magnet – the diode turns red. If the magnet is placed only briefly (less than 1 second), the diode turns green after its removal – the system has returned to the operating mode.

Water-running period

- Push the button briefly within 5 seconds after the diode turns red (the water starts running). Stop the adjustment by another push of the button (the water stops running) and the system returns to the operating mode. The period between the pushes is the adjusted water-running period.

Pause

- After 5 seconds from placing the magnet, the diode starts flashing red and green and the pause starts adjusting. Stop the adjustment by pushing the button. Therefore, if you want to adjust no pause at all (the water will run for the preset period any time after pushing the button), it is necessary to push the button within 5 seconds from red and green flashing of the diode – the period is 0 and there is no pause.

Statuses of the diode

Operating green light – under voltage, prepared for operation

- red light – the button is pushed
- flashing green – the valve is closed
- orange light – (green and red together) – pause

Adjusting red light – the system has changed into the adjustment mode

- flashing red – adjustment of the water-running period
- alternating red and green flashing – adjustment of the pause

Caution

- The shower control unit can only be connected to the ZAC power source, otherwise the manufacturer does not accept guarantee for reliable operation or potential damages caused by another power source.
- The equipment can only be connected by a person with the corresponding qualifications and professional competence.
- Before activation, it is necessary to perform an initial inspection of the electrical equipment pursuant to the applicable standards.
- The owner is obliged to perform regular inspections of the electrical equipment throughout the operation period.



Supplied components

mounting box	1 unit	piezo-electric button	1 unit
magnet	1 unit	solenoid valve	1 unit
spherical valve	1 unit	cover-up polystyrene	1 unit

Troubleshooting

Defect	Likely cause	Remedy
The light does not come on after activation	Power supply not connected Connection to 230 V	Connect the power supply Destroyed beyond repair
The water is not running – the light turns green after pushing the button	Not connected or damaged button	Connect or replace the button
The water keeps running – the electronic system works correctly	Dirt in the solenoid valve	Clean the valve
Only little water starts running	Clogged screen before the solenoid valve or heavily calcified shower arm	Clean it

Maintenance and cleaning

- The device was made from the stainless steel of quality corresponding with ČSN 17 240 (AISI 304) standard and, therefore, it must not be operated in chemically-aggressive environment and
- Preparations containing chlorine must not be used for its cleaning!!**
- Cleaning agents by WÜRTH are recommended:
 - Metal renewal agent - Order No. 893 121 1
 - Stainless steel spray treatment - Order No. 0893 121 – K.
- If corrosion has already occurred, it can be removed with a cleaner INNOSOFT B 570 from the company Emergo.

Valve cleaning

- Unscrew the three screws holding the coil. Take off the coil, remove carefully the plastic core cover, (be careful not to lose the spring). Remove the membrane and clean the space under it. Check the permeability of both holes in the plastic centre of the diaphragm and assemble the valve. When reinstalling the valve, the direction of water flow must be observed – it is marked by an arrow on the valve.