



Installation and operating instructions

AUS 3P - Automatic shower units surface-designed with a thermostatic valve, piezo-controlled

BASIC TECHNICAL DATA

Power voltage:	12 V, 50 Hz
Power input:	6 VA
Adjustable working time:	from 10s to 42.5 min. (preset time: 30s without a break)
Water pressure:	0.1 – 1.0 MPa
Recommended power supply:	ZAC 1/20 (max. 3 x AUS3P) ZAC 1/50 (max. 3 x AUS 3P)
Weblink:	AUS 3P

Function of automatic shower unit

- The water starts flowing upon pressing the button. The water can be stopped at any time by pressing the button again. When the shower is turned on the preset period of usage is assigned to the user (it can be set anywhere from 10s to 42.5 min with 10s as the minimum adjusting interval). For this period the user is able to freely manage the water flow. After consuming the assigned time a break follows during which water does not flow. That forces the user to finish showering thus saving water. The break can be set arbitrarily from 10 s to 42.5 minutes.
- The temperature of the flowing water is adjusted by the thermostatic valve.

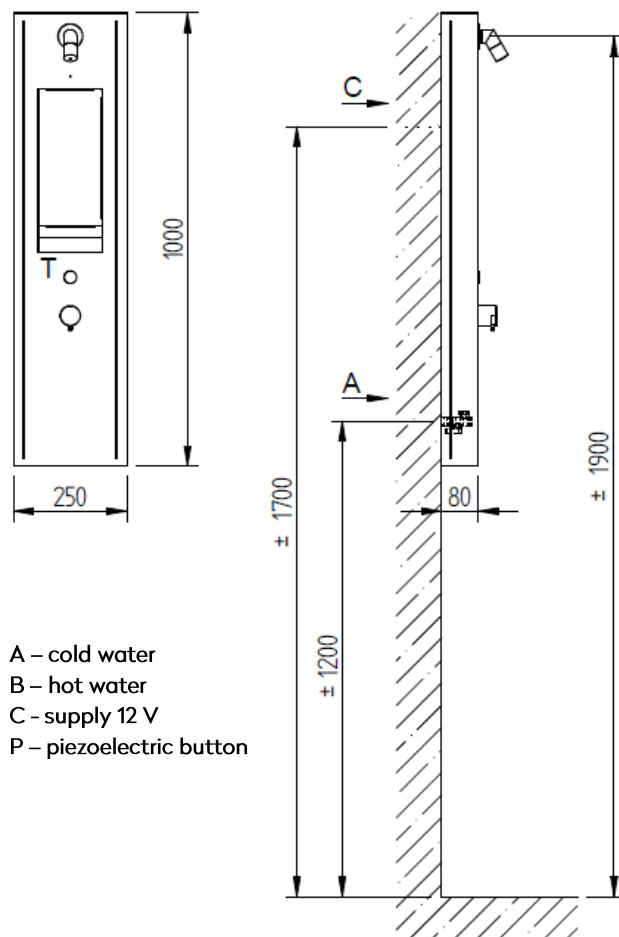
Installation

Construction preparation

- Water supply terminated with 1/2" internal thread, pitch 90 – 160 mm.
- It is necessary to install a supplied **filter** in the water supply to the shower unit or group of shower units to remove mechanical impurities from the water
- Supply voltage via CYKY 2A x 1.5 cable from ZAC source to AUS 3P shower space.

Assembly

- Fix the carrying frame to the wall with the supplied screws and dowels so that its upper edge is located approximately 1900 mm above ground level.
- Fit corner valves on the hot and cold water supply. Turn the water outlets in such a way that the connecting hoses are not broken.
- The hose with red colour markings must be connected to the hot water and the hose with blue colour markings to the cold water.
- Upon incorrect connection, malfunction of the**
- thermostatic valve occurs!**





6. Connect the power cord from source ZAC 12 V, 50 Hz to the input terminals. Turn on the power supply.
7. Hang the upper side of the cover on the frame, press the lower part against the wall and secure the cover by **unscrewing** the Allen screws.

Caution

- The AUS 3 automatic shower unit can only be connected to the ZAC power supply, otherwise the manufacturer does not accept liability for reliable operation and liability for any damage caused by connection to another power supply. The electrical connection may only be carried out by a person with the appropriate qualifications and professional competence. Before commissioning, an initial inspection of the electrical equipment must be carried out in accordance with the applicable standards. When running, the operator is obliged to perform regular inspections of electrical equipment.

Setting

- The shower can be set-up only within 5 minutes of insertion of the batteries. The electronics must be at rest – this means that the water must not be flowing and the break should not be active. If the shower was powered for a longer time, it is necessary to remove at least one of the batteries from the housing and replace it in position after about 10 minutes and start setting at the latest within 5 minutes. The change from operational to setting mode is activated by placing the magnet about 30 mm on the left the control diode.
- **Note:** In order for you not to wait for 10 minutes after removal of the batteries, it is possible to shorten the process by “bleeding” the battery. After removal of the batteries; this is done by repeatedly pressing the piezoelectric button till the red LED diode goes off completely. At this moment, the electronics are not powered and upon connection of the batteries, it will be possible to set-up the device.

Water flow time

- Apply the magnet – the diode starts blinking in red colour. Leave the magnet in place. As soon the red blinking diode changes to green colour, the electronics are in the time setting mode.
- With green diode blinking, press the piezoelectric button on the panel – the control LED goes off. After lapse of the desired time press the button again. The time lapse between the button presses is the running time of the water.
- The signal LED blinks shortly 5× in red colour to signal that the new time has been saved to memory.
- The set time is rounded up to tens of seconds.

Break interval

- Apply the magnet – the diode starts blinking in red colour. Leave the magnet in place. Upon the rapidly blinking red diode changing to green, do not do anything until the green blinking diode changes to orange colour. The electronics are now in the break setting mode. To start setting, press the button. The setting ends upon pressing the button again.

Supplied parts

piezoelectric button	1 pc	the box containing electronics	1 pc
stainless steel housing	1 pc	corner valve	2 pcs
thermostatic valve	1 pc	shower outlet arm SP 4	1 pc
electromagnetic valve	1 pc	flexible hose	3 pcs
carrying frame	1 pc	dowels	6 pcs
screws	6 pcs		



Troubleshooting

Fault	Probable cause	Remedy
Upon switching it on, it blinks but the water does not flow	Batteries low Impurities inside the valve	Replace the batteries Clean the valve
Water flow is low	Dirty filter	Clean the filter in the corner valve
Water runs continuously, electronics function correctly	Impurities in the electromagnetic valve	Clean the valve
Electronics are working properly, no water flow	The device is connected to the switched power supply (e.g. for halogen lights); the electromagnetic valves do not operate at higher frequencies.	Use a specified power supply unit
The water temperature cannot be adjusted	Improperly connected thermostatic valve	Connect properly
	Impurities in the inlet check valve of the thermostatic valve	Disconnect the hose from the valve inlet and clean or replace the check valve.
	The reduced flow rate of one of the water sources – clogged filter of one of the valves, big difference in the pressure of the hot and cold water	Clean the sieve, remove the cause of the pressure difference.

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.