



Installation and operating instructions

AUS 1P - Automatic piezo-controlled subsurface shower unit for water a pre-set temperature

BASIC TECHNICAL DATA

Time of water flow:	1s – 45 min (1 s step) – adjusted to 30 sec.
Time of pause	0s, 5s – 45 min (1 s step) adjusted to 0 sec.– the pause follows after two cycles of showering
Power supply:	12 V, 50 Hz
Power input:	6 VA
Water pressure:	0.1 – 1.0 MPa
Recommended power supply:	ZAC 1/20 (max. 3 x AUS 1P) ZAC 1/50 (max. 3 x AUS 1P)
Weblink:	AUS 1P

Function of automatic shower unit

- The water starts to flow after the piezo button is touched and flows for a preset time. The water flow can be stopped at any time by another touch of piezo button. This can be repeated arbitrarily till the preset time is used completely (only the time of water flow is measured). The pause follows after the preset time of water flow is used, during this pause the water will not flow even if the button is pushed. The pause can be preset for 0 – 45 minutes. If the preset time is 0 min. it is possible to use the shower at any time by another touch of the button.
- The user cannot regulate the temperature of flowing water.

Installation

Requirements for setting up construction

1. A 160 x 160 x 70 mm alcove in the wall. Wall in the assembly box at the level of tiling or at maximum up to 20 mm below tiling. The box must not extend above the tiles.
2. Water supply pipe into the alcove, finished with ½" cap nut
3. A filter must be set up in the water inlet to the shower unit or group of shower units for removing mechanical dirt from the water.
4. Set up cable CYKY 2A x 1,5 from the source of power supply ZAC to the alcove.
5. Set up the water inlet to the shower arm, ending with outer bolting for SP 1, ending with ½" inner bolting for SP 2, SP 3, SP 4 and SP 5.
6. Set up the assembly box and cover it with the metal assembly plate to protect against the entry of dirt.
7. Finished tiles.

Assembly

1. Remove the covering metal assembly plate. Connect the knife connectors to the contacts of the electromagnetic valve. Polarity is not important.
2. By means of screws and washers fix the mounting spacer tray and level it toward the tiles.
3. Connect the electronics to the cable from power supply ZAC. The control light will turn on green.
4. Put up the stainless steel casing on the upper part of the casket, clip it and fix it gently with small screws by means of the enclosed imbus spanner.
5. By means of silicon mastic fill the upper and lateral sides of the casket in order to prevent water from leaking into the assembly box. The bottom part of the casket does not have to be filled up.



Setting of parameters

- All settings can be carried out only within 20 min. after switching on the power supply! For any setting after this period it is necessary to switch first off the power supply, wait approx. 5 sec., connect again the power supply and within following 20 min. do all the setting.

Setting process – hold the magnet under the green LED light and move it slowly down – the control diode turns on red. If the magnet is hold shorter than 1 sec. then after removing it the control diode turns on green – the electronics returned to the “standard operation mode” (not ready for setting).

Time of water flow setting: After control diode turns on red, the control piezo button must be touched within next 5 sec. The LED light starts to flash red and at the same time starts the setting of water flow. Setting is finished with another touch of piezo button, the LED light turns on green and the electronics will get into the “standard operation mode”. The time between first and second push-down is the time of water flow.

Enforced pause setting: Hold the magnet for at least 5 sec. Pause setting starts at the moment when the control diode starts to flash red and green. The setting is finished by push-down of control button. If no pause is wanted, then the control button must be pushed down within first 5 sec. after control diode starts to flash red and green. The pause will be set for 0 sec. (there will be no pause between the shower periods).

Control diode

Standard operation mode

green light – ready for operation
green light flashing – electromagnetic valve switched on/water flows
red light flash 1x – piezo button was touched
red and green light flashing – last 20 sec. of shower time
orange light – enforced pause

Setting mode

red light – magnet attached, electronics turns into setting mode
red light flashing – setting of water flow time
red and green light flashing – pause setting

Notice

- AUS 1.P automatic shower unit can be connected only to source of power supply ZAC; otherwise the manufacturer does not take responsibility for its reliable functioning and responsibility for eventual damage arising from connection to other voltages.
- Electrical connection must only be carried out by a qualified and competent worker.
- It is necessary to carry out an initial revision of electrical equipment before starting operation
- The user is obliged to carry out revisions of the electrical equipment during its operating life.

Explanation and delivery parts

1	assembly box	1 pc	7	stainless steel casing with electronics cabinet	1 pc
2	st. steel screw M4 x 40	4 pcs	8	inlet bolting	2 pcs
3	electromagnetic valve	1 pc	9	outlet bolting	1 pc
4	covering zinc-coated assembly plate	1 pc	10	big pad d 5	3 pcs
5	anchoring distance frame	1 pc	11	zinc-coated screw M4 x 12	2 pcs
6	stainless steel casket	1 pc			



Possible problems and their solution

Failure	Cause	Solution
The pilot light will not blink after switching on	Power source is not switched on Connected to 230 V	Switch on the power source Irreparable—electronic is destroyed
Insufficient water flow	Clogged inlet filter/sieve to the solenoid valve or the shower head is clogged with sediments (lime scale)	Clean the filter of the solenoid valve -Clean the shower head
Water does not flow – electronics functions properly	Incorrect source of power supply was used – e.g. switching power supply unit for halogen bulbs	Use correct power supply recommended by the producer
Water flows constantly – electronics functions properly	Dirt in the electromagnetic valve	Clean the valve

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.