



## Installation and operating instructions

### AUS 1 - Automatic sensor-controlled subsurface shower unit for water a pre-set temperature

#### BASIC TECHNICAL DATA

<b>Range:</b>	sets automatically when switched on
<b>Power voltage:</b>	12 V, 50 Hz
<b>Power input:</b>	6 VA
<b>Adjustable opening time:</b>	5 – 100 s (set by manufacturer 15 s, step 5 s)
<b>Water pressure:</b>	0.1 – 1.0 MPa
<b>Recommended power supply:</b>	ZAC 1/20 (max. 3 x AUS 1) ZAC 1/50 (max. 3 x AUS 1)
<b>Weblink:</b>	<a href="#">AUS 1</a>

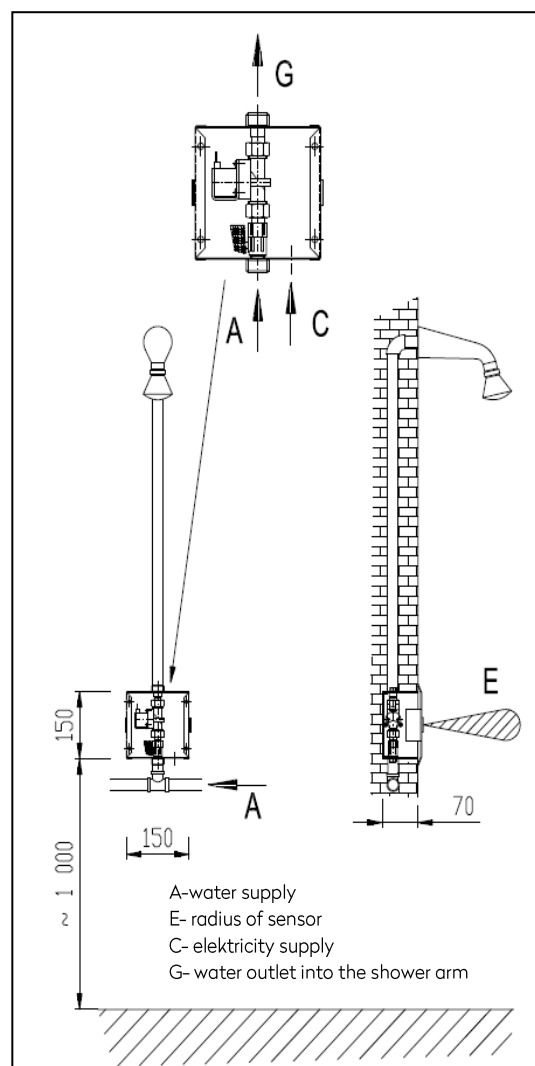
#### Function of automatic shower unit

- After a short shading of the sensor (waving a hand in the scanning zone), the control electronic is activated and electromagnetic valve is opened immediately. After repeat shading of the sensor the electromagnetic valve is closed and the water stops flowing. When repeat shading does not occur, then the water stops flowing automatically after the adjusted time (the time of taking a shower). The valve is closed after 30 sec. if the sensor is constantly shaded. The radius of the sensor is set automatically after connection to the source of power supply. The temperature of the outgoing water can not be adjusted, but must be set centrally, e.g. by means of a thermostatic valve.

#### Installation

##### Requirements for setting up construction

1. A 150 x 150 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. Connect the water supply and water inlet to the assembly box (ball valve must be at the entrance).
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 1/2" inner bolting for SP 2.
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.
2. Connect the cable from the source of power supply ZAC 12V, 50 Hz into the input connector. Switch on the supply voltage. The pilot light will blink 6 times and then automatic setting up is finished, which is indicated by the quick blinking of the pilot light – max. 10 sec. The space in front of the photocell sensor must be free while being adjusted - do not screen the sensor!  
If an obstacle is in front of the shower unit during setting-up, the small scanning zone will be adjusted after its removal (the scanning zone was automatically set up for this obstacle). It is necessary to switch the source of power supply on and off – automatic adjustment of sensitivity is carried out.
3. 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.
4. 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.

## Notice

- AUS 1 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

Problem	Cause	Solution
After connecting to power supply the pilot light does not blink	Not connected to power supply Connected to 230 V	Connect it to ZAC power supply Irreparably destroyed
Not enough water flows	Jammed filter	Clean the filter
Water does not flow	Dirty sensor window	Clean the window
After connecting to power supply water flu only for set time – red pilot light is blinking	Obstacle in front of the sensor electronics is scanning this obstacle Scratched sensor window	Remove the obstacle Clean the window
Water flows constantly, electronics work properly	Dirt in 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.