

## Pump Control with device switch-off SHT 217 | SHT 218 SHT 227 | SHT 228

Item number

300217 | 300218 | 300227 | 300219



- Intermediate plug housing with device switch-on with fork water sensor or mini float switch  
Overrun time adjustable 0-100 seconds  
up to 2300W / 3500 VA switching capacity

## **Thank you very much for your trust!**

In order to guarantee optimum function and performance of the product at all times and to ensure your personal safety, we would like to ask you to read these operating instructions thoroughly before installation and initial start-up and, above all, to follow the safety instructions! The operating instructions are an integral part of this product. Please keep them for future reference!

### **Scope of delivery**

1 SHT 217 | SHT 218 pump control unit with SHT 5006 fork sensor or  
1 pump control SHT 227 | SHT 228 with mini float switch  
Installation material (1 screw, 1 dowel), 1 instruction manual

### **Safety instructions**

- Read the operating instructions carefully before installing or operating the appliance.
- Packaging material is not a child's toy. Keep them away from children.
- Do not open the appliance as it does not contain any serviceable parts.

### **Ambient conditions**

The standards used to assess the product specify limit values for use in residential, commercial and small business environments, which means that the product is intended for use in these operating environments:

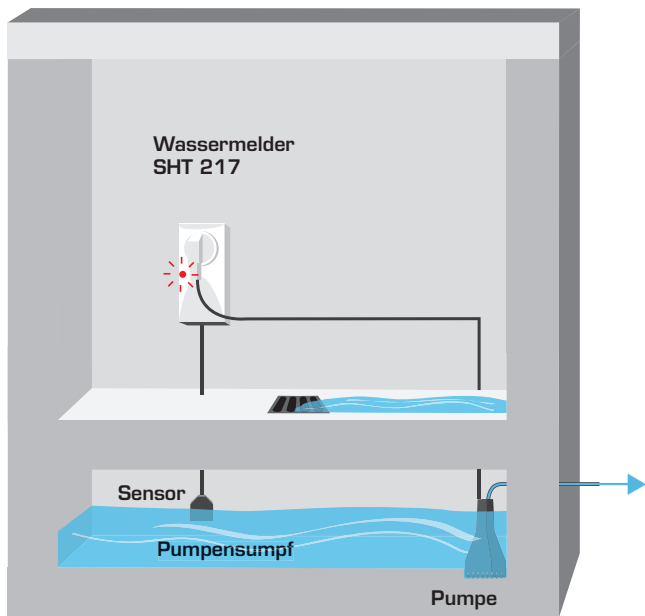
- Residential buildings/living spaces such as houses, flats, rooms, etc.  
Sales areas such as shops, hypermarkets, etc.
- Small business premises such as workshops, service centres, etc.
- All locations are characterised by the fact that they are connected to the public low-voltage network

### **Intended use**

The SHT 217 | 218 | 227 | 228 pump control units are devices for detecting changes in water level and monitoring pump sumps. As soon as the sensor | mini float switch comes into contact with water, a connected pump is switched on. The overrun time of the pump can be set from 0 to 100 seconds using the setting wheel on the device. Depending on the device, a visual warning signal appears or an acoustic warning also sounds.

**Technical data SHT 217 | SHT 218 and SHT 227 | SHT 228**

Operating voltage:	230 V~ (+/-10%) / 50-60 Hz
Power consumption:	approx. 3 W
Switching capacity:	3500 VA (2300 W) / 16 A (10 A)
Operating range:	-15 °C / +40 °C
Protection class:	IP 20
Sound pressure buzzer:	80 dB (distance 10 cm)
Cable:	2x0.14mm <sup>2</sup> - white - Ø 3.2 mm
Cable length:	2.8 m (SHT 216)   2.5 m (SHT 226)
Dimensions (HxWxD):	121x57x38 mm



**Functional description****SHT 217 | 218 with sensor**

The SHT 217 | 218 pump controller switches a connected water pump on when a certain water level is reached and switches it off again after an adjustable run-on time of 0 to 100 seconds after the sensor has dried.

**Functional description****SHT 227 | 228 with mini float switch**

The switch contact of the float closes from a level of approx. 4 cm and activates the input of the water detector. Switching off the pump (dry running) is absolutely reliable, achieving a safe and defined switch-off behaviour.

**Performance features SHT 217 | 218**

- Simple installation (230 V~ socket device)
- Acoustic (with SHT 217) and visual warning
- Connected device is activated when water is signalled
- Infinitely variable adjustment of the run-on time 0 to 100 sec.
- Water sensor with cable length 2.8 m (can be extended)

**Performance features SHT 227 | 228**

- Improved dry-running protection for your pump
- Acoustic (with SHT 227) and visual warning
- also suitable for other liquids (e.g. heating oil, diesel, vegetable oil, lubricating oils, etc.)
- Cable length 2.5 m (special length on request)

**Possible applications**

- Water ingress
- Pump control
- Cistern monitoring

**Extension of sensor cable:**

If required, you can extend the sensor cable up to 50 metres with a LIYY cable (2x0.14mm<sup>2</sup>). To do this, you must cut the existing sensor cable and reconnect it with terminals.

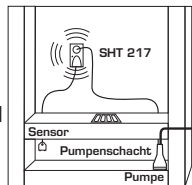
## Installation instructions

**ATTENTION: Do not operate the device outdoors!**

We recommend SHT 227 or 228 for pump sumps.

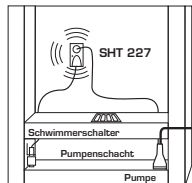
### Sensor installation SHT 217 | SHT 218

The sensor reacts to contact with water at the two metal contacts. The mounting position of the sensor defines the water level at which the device should switch on the pump.

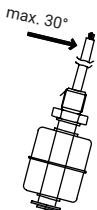


### Mounting float switch SHT 227 | 228

The mounting position of the float switch defines the water level (at least 4 cm) at which the device should switch on the pump.



Float switch installation position:



**SCHABUS recommendation:**

**Mounting bracket accessory (no. 300787) order at the same time**



**Setting dial  
Follow-up  
time**

## Commissioning

The pump control unit is simply plugged into a 230 VAC / 50-60 Hz socket. Then connect the pump's mains plug to the SCHABUS pump control unit's earthed socket. The mains plug fuse prevents the appliance plug from being unintentionally disconnected. The LED indicator lights up **green** and signals that the device is ready for operation. The run-on time of the pump can be continuously adjusted from 0 to 100 seconds using the dial on the back of the device.



Once the alarm has been triggered, the set run-on time only becomes active when the water level falls below the level of the water sensor | water level switch during pumping. When setting the run-on time, make sure that the pump does not run idle (dry running) after the water volume has been pumped out. This can damage the pump.

### Alarm

As soon as the sensor | float switch comes into contact with water, an audible and visual alarm signal sounds. The LED display lights up **red** and the connected pump switches on at the same time. If the water level falls below the level of the water sensor | float switch, the LED flashes **red** and the set run-on time of the pump is activated. After the time has elapsed, the pump is switched off and the LED lights up **green**.

### Function test

Function test of the device: By filling the pump shaft with water, you can check the function of the system.



**For your safety, we recommend carrying out this test every month!**



### General information

Elektrotechnik Schabus GmbH & Co. KG is not liable for damage and/or losses of any kind, e.g. individual or consequential damage, resulting from the fact that no alarm signal is given by the water detector despite changes in the water level.

### Cleaning and care

Avoid exposing the device to moisture (spray or rainwater), dust and direct sunlight. Only clean the device with a dry linen cloth, which may be slightly moistened if it is very dirty. Do not use cleaning agents containing solvents for cleaning.

### Declaration of conformity

You can find the declaration of conformity at:

**[www.elektrotechnik-schabus.de](http://www.elektrotechnik-schabus.de)**

All rights, technical changes, errors and misprints reserved.

### Warranty

- We grant a statutory warranty on your electronic product from Elektrotechnik Schabus for material defects and quality defects from the date of purchase. Elektrotechnik Schabus will repair or replace your device free of charge under the following conditions:
- In the case of a statutory warranty, the appliance must be sent in with the following documents: Description of the fault, proof of purchase and your address and delivery address (name, telephone number, street, house number, postcode, city, country).
- Devices that are returned to Elektrotechnik Schabus must be adequately packaged. Elektrotechnik Schabus accepts no liability for damage or loss during despatch.
- The device must be used in accordance with the instructions for us

## Return shipment

If your device is defective, please contact us:

**Phone** +49 (0) 80 36 / 67 49 79 - 0

**Email** info@elektrotechnik-schabus.de

Please state your full address and the reason for the return. We will send you a return label by e-mail free of charge (only within Germany). Under no circumstances should you send us an unfranked parcel, as we will not accept it! Unauthorised returns that do not constitute a complaint will be charged to you retrospectively.

## Environmental information

The production of the product you have purchased required the extraction and utilisation of natural raw materials. It may contain substances that are hazardous to health and the environment. To prevent the spread of these substances in your environment and to conserve natural resources, we ask you to use the appropriate take-back systems. Thanks to these systems, the materials of your product can be reused in an environmentally friendly manner at the end of its service life.



**WEEE-NO.: 91394868**

The crossed-out waste bin symbol on the product reminds you to use these systems. If you require further information on collection, reuse and recycling systems, please contact your local waste advice centre. You can also contact us for more information on the environmental compatibility of our products.

Pump control SHT 217



<https://www.elektrotechnik-schabus.de/downloads>

QR code for download  
or reorder:

Pump control SHT 227



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