

# Datasheet

## AQStation Switch

Typ: AQS Switch black

Order-No.: 90.00.000

Typ: AQS Switch white

Order-No.: 90.00.001



**ALTENBURGER**

ELECTRONIC GMBH

## 1 Function

The AQStation Switch is a Wi-Fi-controlled switch. It is designed to connect a mains socket (230 V, 50 Hz) and an electrical-load device. The module has a 16A volt-free relay output. It is designed to switch electronic devices of all kinds up to 16A. The in-house Wi-Fi is used as a bus system. This enables the use of off-the-shelf smartphones and tablet computers running on Android or iOS to control and visualise AQStation devices.

The AQStation Switch can be controlled with its integrated push-button panel, peripheral push-button panels or the relevant AQStation App. For more information about the visualisation, scenes, groups and timer functions, see the AQStation App description available from [www.altenburger.de](http://www.altenburger.de) or [www.aqstation.de](http://www.aqstation.de).



## 2 Switching on/off

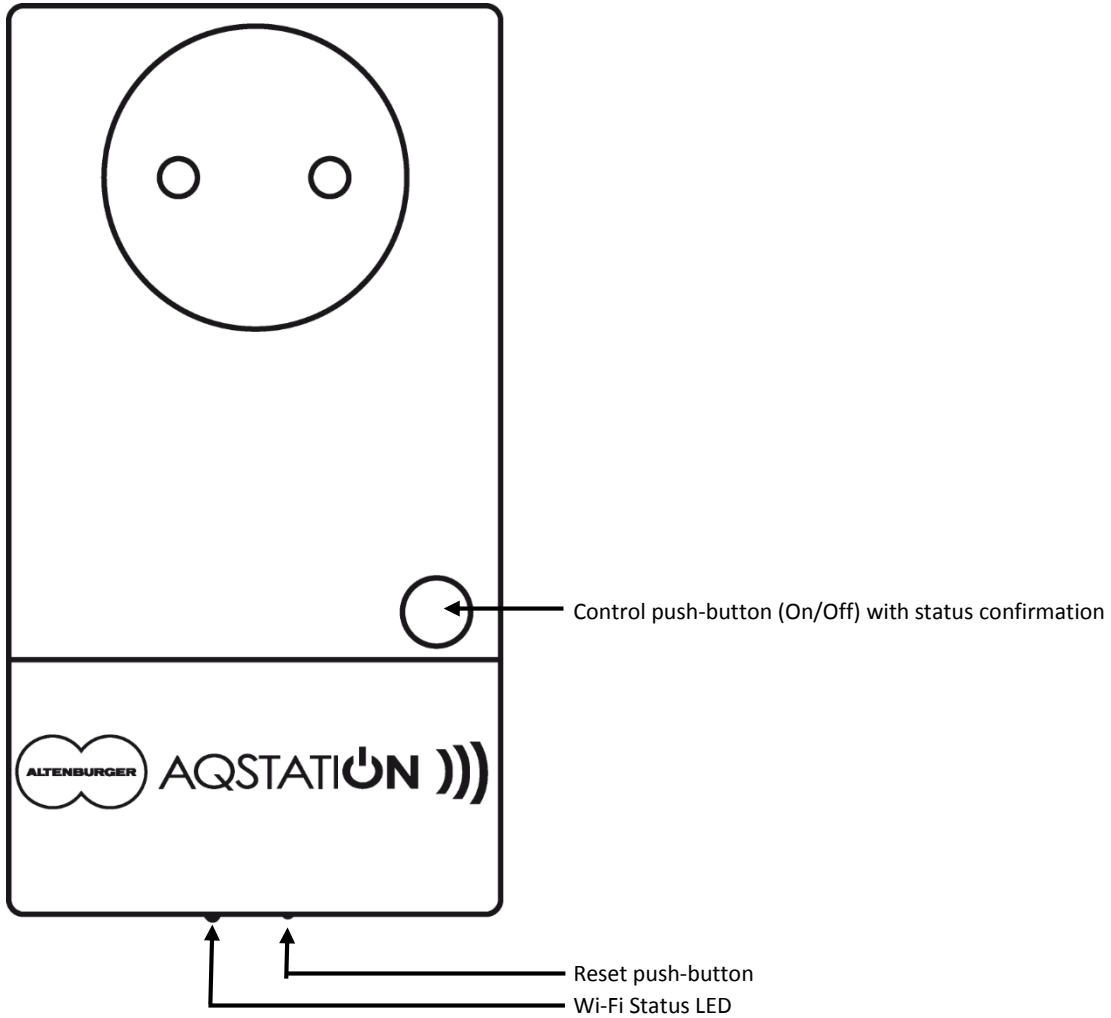
In the "OFF" mode, the load is cut off through relays ( $\mu$  load contact, function separation).

## 3 Connectible loads

The switch is intended for all this socket-approved devices.

At ohmic load, a switching capacity of 16A~ can be used. Otherwise  $\cos \varphi$  is taken into account.

## 4 Overview



## 5 Technical data

Designation	AQStation Switch
Type	AQS Switch
Order Number	black: 90.00.000 white: 90.00.001
Supply Voltage	230V~ 50Hz, DC not allowed
Protection	external 16A, internal microfuse
Mounting form	Rail housing
Dimensions, weight	WxHxD=121 x 66mm x 56mm, approx. 200 gr.
Internal displays	1x green LED (Wi-Fi mode) 1x green LED (switch mode) on control push-buttons
Internal controls	1x push-button for the manual control (on/off) 1x reset push-button (factory settings, including Wi-Fi)
Wi-Fi	2.4 GHz 802.11n
Operating temperature	0°C ... +30°C
Power consumption	< 1.5 W
Protection class	I (electrical grounding)
Protection category	IP 20
Degree of contamination	2 (dry non-conductive)
Load contact L' ( $\mu$ )	Internal relay contact (closing contact) Function switching (On/Off), no safe separation ( $\mu$ contact opening)
Loading capacity	max. 16A~ ohmic load
Qualification	CE, RoHS, WEEE

### ALTENBURGER ELECTRONIC GMBH

Schloßweg 5  
77960 Seelbach

Phone: +49 7823 5090  
Fax +49 7823 50997

[info@altenburger.de](mailto:info@altenburger.de)  
<http://www.altenburger.de>  
<http://www.aqstation.de>

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