

Tech specs

LightSwitch (1-gang) Jeweller

Smart touch 1-gang light switch



Device compatibility

Check

Components

Relay for a 1-gang switch.



Relay for a vertical 1-gang switch.



SoloButton (1-gang)

It is used when the 1-gang switch is installed as a separate device. SoloButton consists of the front panel and the frame, coming as one component.



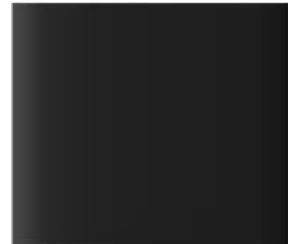
CenterButton (1-gang)

It is used when the 1-gang switch is installed between the device set.



CenterButton (1-gang) vertical

It is used when the vertical 1-gang switch is installed between the device set.



SideButton (1-gang)

It is used when the 1-gang switch is installed on the right or left of the device set.



SideButton (1-gang) vertical

It is used when the vertical 1-gang switch is installed on the top or bottom of the device set.

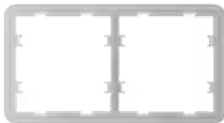


Frames

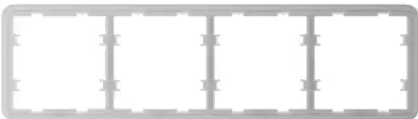
Frames for two, three, four, and five Ajax switches and outlets in any combination¹.

Frame (2 seats)

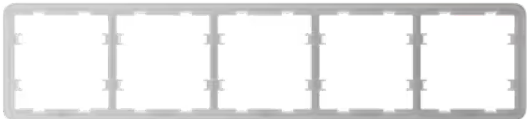
Frame (3 seats)



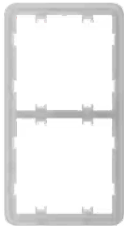
Frame (4 seats)



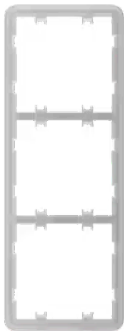
Frame (5 seats)



Frame (2 seats) vertical

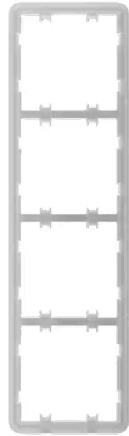


Frame (3 seats) vertical



Frame (4 seats) vertical

Frame (5 seats) vertical



1 — Combinations with outlets are available only in horizontal orientation.

Configuration

Single switch

LightSwitch (1-gang) Jeweller is installed as a separate device.



Combined switch

LightSwitch (1-gang) Jeweller is combined as a set with Ajax smart switches and/or Outlet Jeweller devices and installed into Frame side by side.

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Touch-sensitive panel colors

Black

RAL 9005



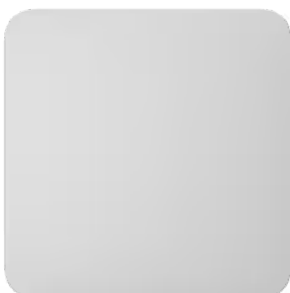
Graphite

RAL 7024



White

RAL 9003



Ivory

RAL 1013



Fog

RAL 7047

**Oyster**

RAL 9002

**Grey**

RAL 7004

**Olive**

RAL 7044



The RAL colors are as close as an approximation of the actual color. However, they may slightly differ, so please only use them as a guide to the color choice.

Communication

 Jeweller communication technology

Proprietary wireless communication technology to transmit commands, alarms, and events.

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Block encryption featuring a dynamic key.
- Instant notifications.
- Remote configuration via Ajax apps.

Learn more >

Radio frequency bands

866.0–866.5 MHz

868.0–868.6 MHz

868.7–869.2 MHz

905.0–926.5 MHz

915.85–926.5 MHz

921.0–922.0 MHz

Depends on the sales region.

Maximum effective radiated power (ERP)

up to 20 mW

Radio signal modulation

GFSK

Radio communication range

up to 1,100 m

Between the device and a hub (or range extender) in an open space.

Calculate radio communication range at the facility >

Encrypted radio communication

All the data stored and transmitted are protected by block encryption featuring a dynamic key.

Radio frequency hopping

Radio communication uses frequency hopping to prevent interception and jamming.

Learn more >

Key features

Automation scenarios

- security mode change reactions
- scheduled actions
- alarm reactions
- temperature scenarios
- humidity scenarios²
- CO₂ concentration scenarios²
- by pressing another LightSwitch/Button

Learn more >

2 — Scenarios by humidity and CO₂ concentrations are available when LifeQuality Jeweller is added to the system.

Operation without a neutral wire

LightSwitch only needs a live wire to operate.

Power of switched device

from 5 to 600 W

Contactless touch-sensitive panel

LightSwitch is activated when a hand gets as close as 15 mm from the panel.

Night backlight

Optional, can be turned off in the Ajax app device settings.

Protection against incompatible devices

Triggers if lighting devices have insufficient power (up to 5 W). If protection is triggered, LightSwitch turns off the power and sends a notification to Ajax apps. For low-power lighting devices, the kit includes a capacitor.

Recommendations

The device is designed for indoor use only. A professional electrician should install the device.

Sabotage protection

Protection against spoofing

device authentication

Communication loss detection

after 36 s

Detection time depends on the Jeweller or Jeweller/Fibra settings.

[Learn more](#) >

Power supply

Power supply voltage

230 V~, 50/60 Hz

The device does not need a neutral wire to operate.

Average consumption

up to 200 mW

Maximum power

600 W

For LightCore (1-gang) Jeweller and LightCore (1-gang) vertical Jeweller.

Current protection

more than 2.6 A

If protection is triggered, LightSwitch turns off the power and sends a notification to Ajax apps.

Temperature protection

more than +60 °C

If protection is triggered, LightSwitch turns off the power and sends a notification to Ajax apps.

Operating parameters

Operating temperature range

from –10 °C to +40 °C

Operating humidity

Up to 75% with no condensation

Protection class

IP20

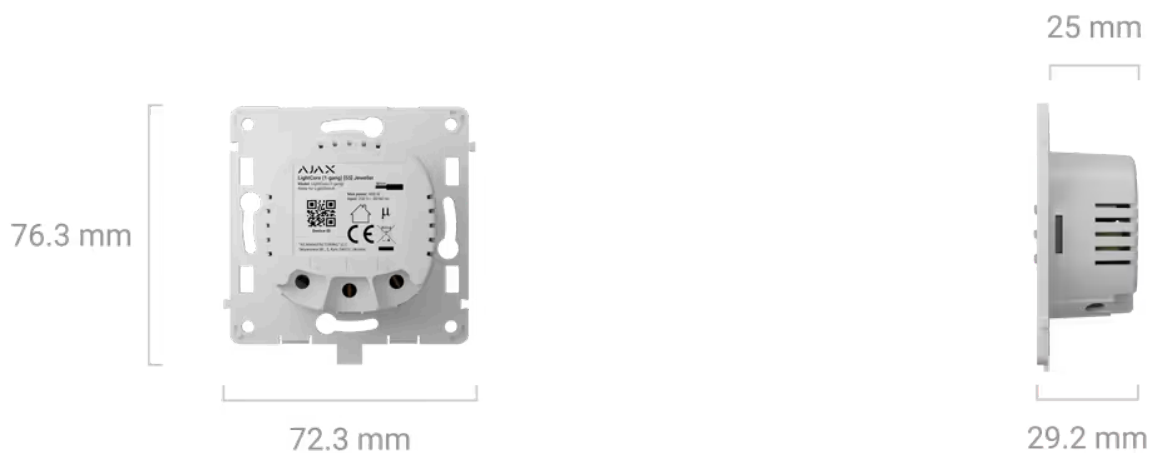
Form factor of the switch

European type (55)

Dimensions

Relay

LightCore (1-gang) Jeweller – 76.3 × 72.3 × 29.2 mm



LightCore (1-gang) vertical Jeweller – 72.3 × 76.3 × 29.2 mm

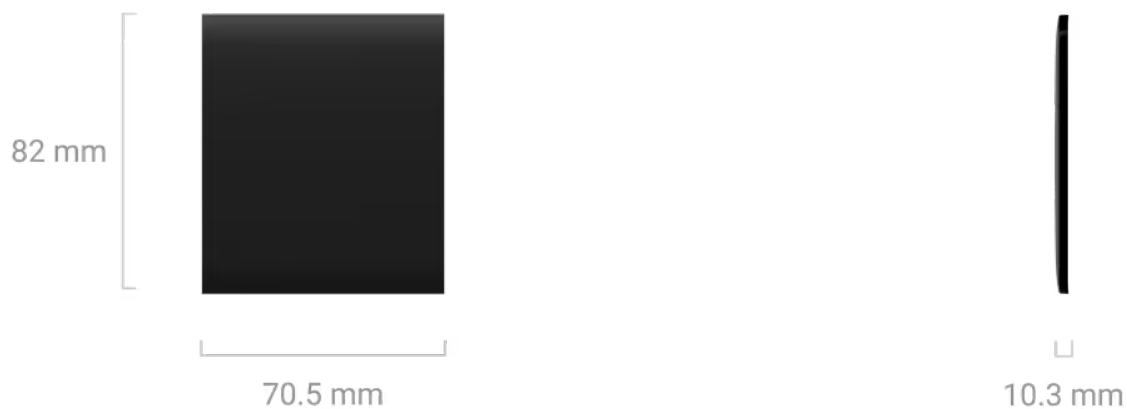


Touch-sensitive panels

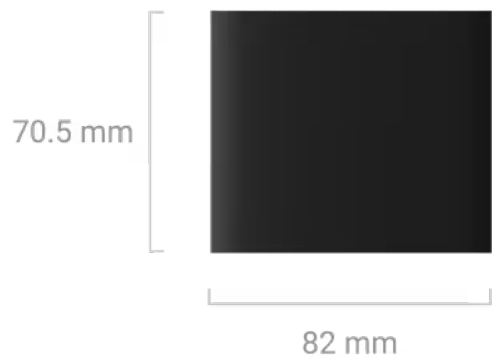
SoloButton (1-gang) — 82.8 × 82.8 × 10.3 mm



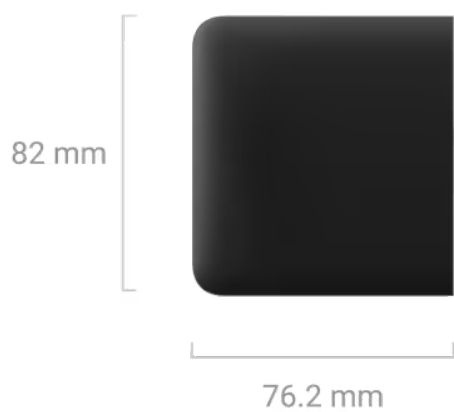
CenterButton (1-gang) — 82 × 70.5 × 10.3 mm



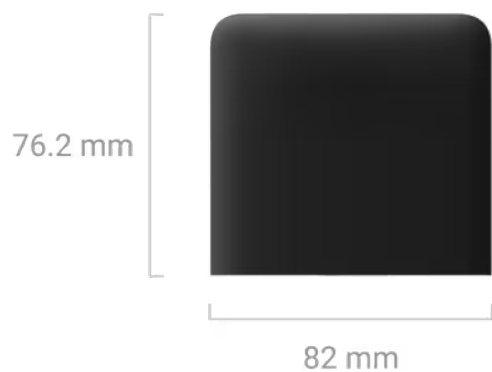
CenterButton (1-gang) vertical — 70.5 × 82 × 10.3 mm



SideButton (1-gang) – 82 × 76.2 × 10.3 mm

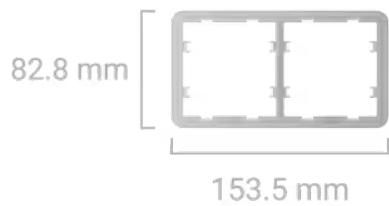


SideButton (1-gang) vertical – 76.2 × 82 × 10.3 mm

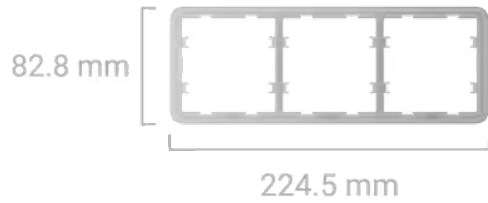


Frames

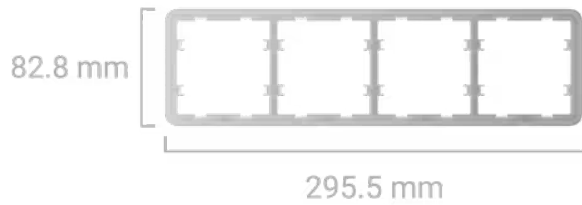
Frame (2 seats) – 82.8 × 153.5 × 6.3 mm



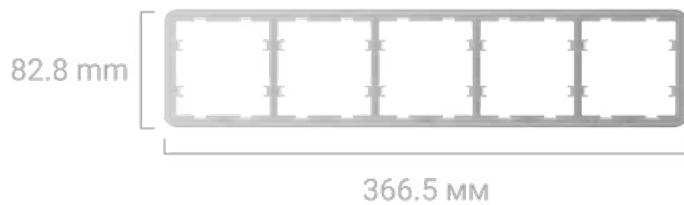
Frame (3 seats) – 82.8 × 224.5 × 6.3 mm



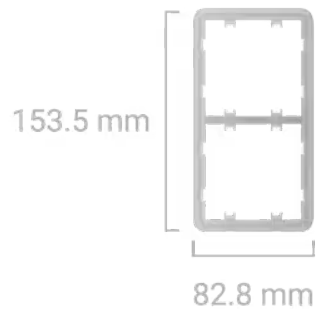
Frame (4 seats) – 82.8 × 295.5 × 6.3 mm



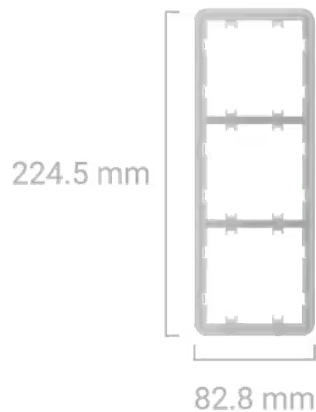
Frame (5 seats) – 82.8 × 366.5 × 6.3 mm



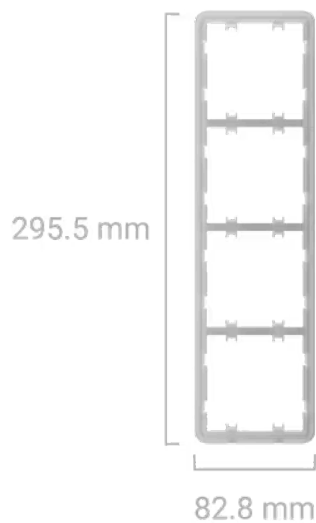
Frame (2 seats) vertical – 153.5 × 82.8 × 6.3 mm



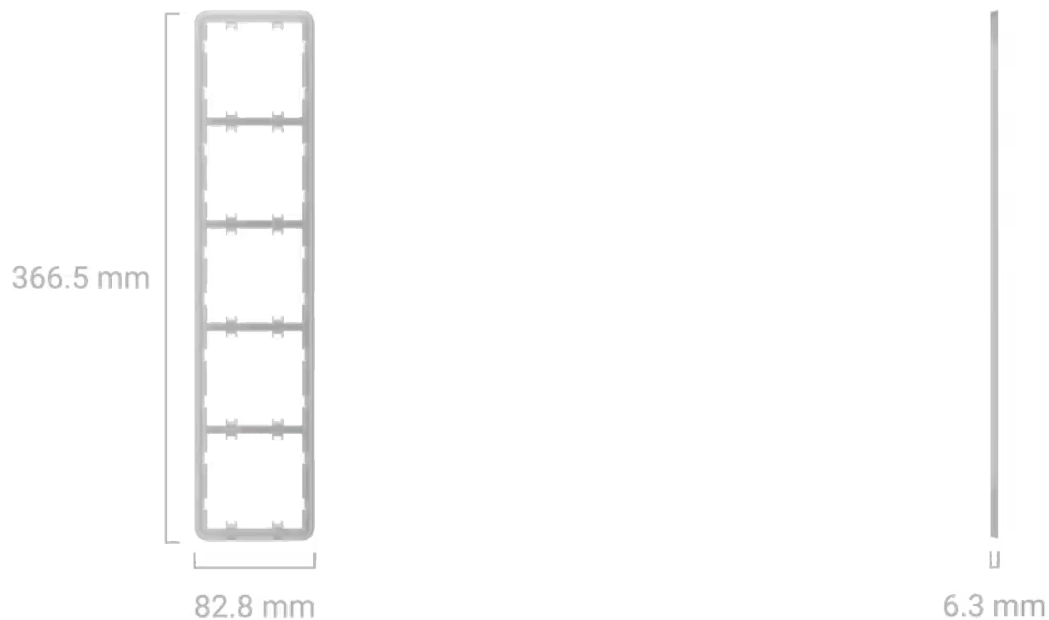
Frame (3 seats) vertical – 224.5 × 82.8 × 6.3 mm



Frame (4 seats) vertical – 295.5 × 82.8 × 6.3 mm



Frame (5 seats) vertical – 366.5 × 82.8 × 6.3 mm



Weight

Relay

LightCore (1-gang) Jeweller — 46 g

LightCore (1-gang) vertical Jeweller — 46 g

Touch-sensitive panels

SoloButton (1-gang) — 45 g

CenterButton (1-gang) — 31 g

CenterButton (1-gang) vertical — 31 g

SideButton (1-gang) — 32 g

SideButton (1-gang) vertical — 32 g

Frames

Frame (2 seats) – 16 g
Frame (2 seats) vertical – 16 g
Frame (3 seats) – 22 g
Frame (3 seats) vertical – 22 g
Frame (4 seats) – 28 g
Frame (4 seats) vertical – 28 g
Frame (5 seats) – 34 g
Frame (5 seats) vertical – 34 g

Complete set

LightSwitch (1-gang) Jeweller is a prefabricated smart switch. All parts are purchased separately

Assemble LightSwitch kit >

Certification and compliance with standards



LightSwitch (1-gang) Jeweller



Additional information

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Warranty

24 months

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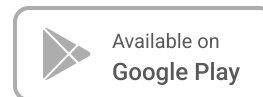
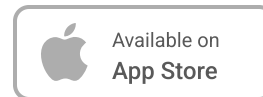
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