

# Socket Plus (type G) Jeweller

Smart plug with the energy consumption monitoring function. Featured with arc fault protection.



Detailed information about the device is available via QR code or by the link:

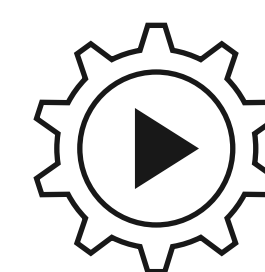
 <https://ajax.systems/support/devices/socket-plus-type-g/>



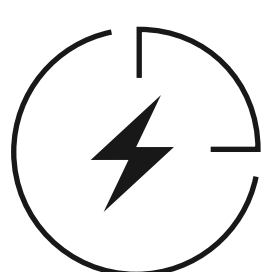
## Key features



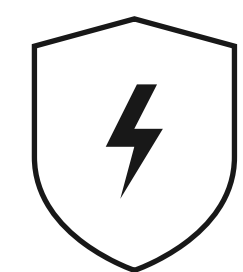
Controls the power supply via app, device function button, and the Button



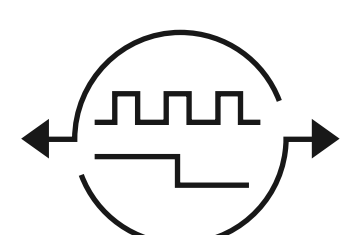
Executes automation scenarios



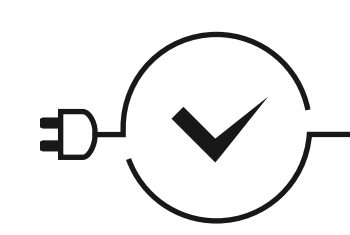
Monitors electric power consumption accurate to 1 W



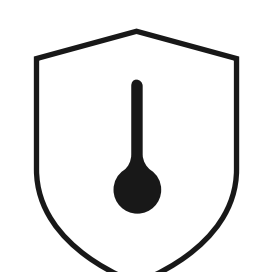
Has app-regulated current protection: from 1 to 16 A



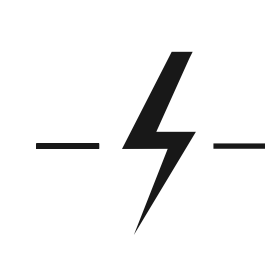
Operates in bistable or pulse mode



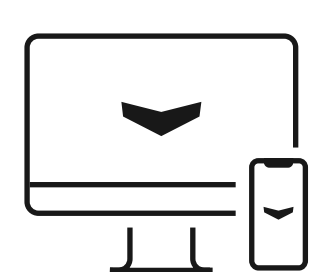
Protects connected devices from voltage surges



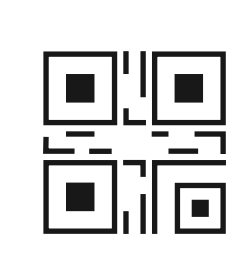
Protected from overheating



Featured with arc fault protection



Controlled and configured remotely via Ajax apps



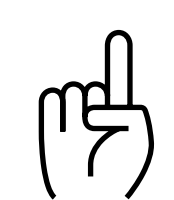
Pairing with the system via QR code



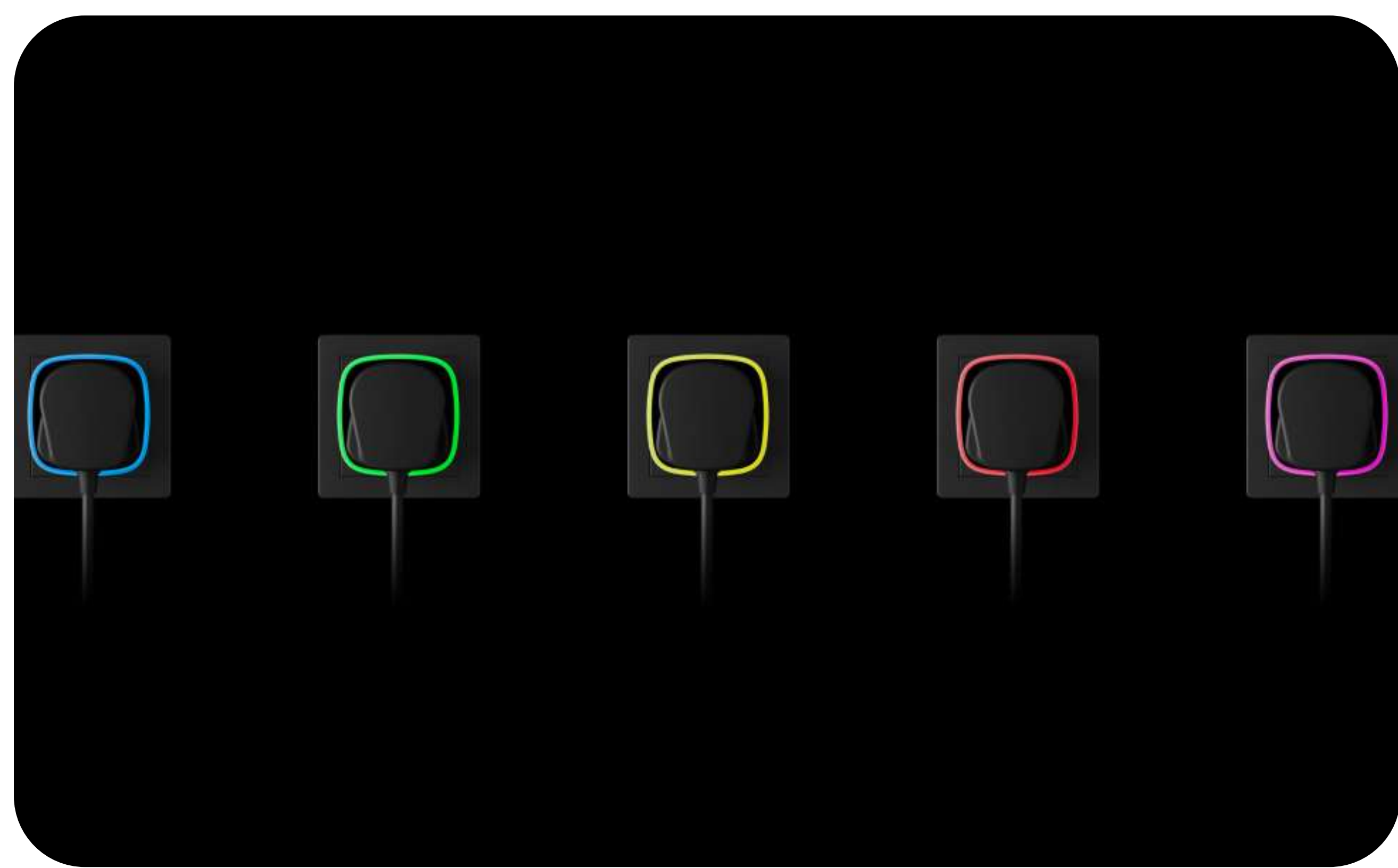
# Enhanced electrical protection

All Ajax automation devices have temperature, voltage and current protection. Apart from that, Socket Plus (type G) featured with arc fault protection.

An electric arc is a prolonged electric discharge between two conductors with high current density and low voltage. It occurs when conductor insulation is damaged. For example, in an extension cord with a broken cable. The arc can instantly damage the connected device or the plug itself and cause a fire. Protection is activated immediately if an arc or spark occurs in the device connected to the plug.



For additional protection, Socket Plus (type G) is equipped with mechanical shutters. They protect children, preventing them from sticking a screwdriver, scissors, or a pin into the plug, and also protect the plug from dust and splashes.



## Load indication

Socket Plus (type G) changes the frame colour in real time depending on the power consumption by the connected device. In this way, the plug informs about its condition and the level of power consumption by connected devices. Users can check the value of power consumption in the **States** of the plug in Ajax apps. The indication is optional and can be turned off at any time by a PRO or user with admin rights.

## Remote control

Socket Plus (type G) is controlled remotely via Ajax apps. Users can turn on a device connected to a smart plug from anywhere: from their bed or from another country. Moreover, we have implemented scenarios to automate routine actions. For example, a smart plug can be turned on because of an alarm, according to a schedule or for a short time when the security system is disarmed.





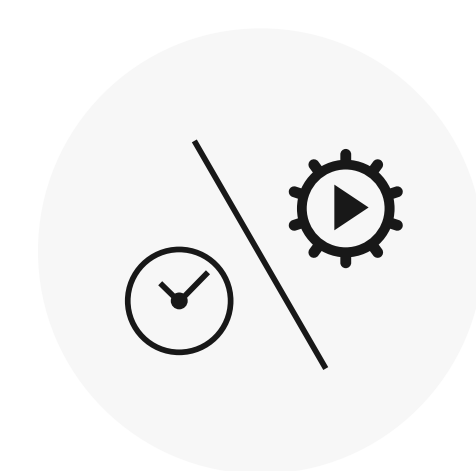
# Automation scenarios

Scenarios offer a new level of comfort and protection of your clients. Socket Plus (type G) supports the following types of automation scenarios:



## Security mode change reactions

After the door is closed and the system is armed, all the dangerous appliances will turn off automatically. Your clients do not have to come back home to check if the iron, heater, or toaster is off.



## Scheduled actions

Scheduled actions will simulate home activity with lights, TV, and audio system sounds. That way, the home won't look empty and attract the attention of burglars.



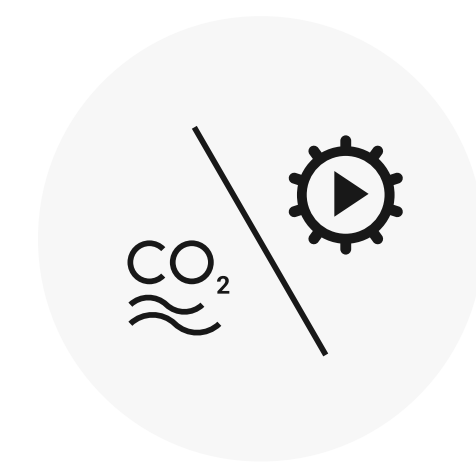
## Alarm reactions

Fire detectors immediately respond to smoke and temperature increase. Alarm reactions will instantly switch off the potential cause of ignition connected to the smart plug.



## Temperature scenarios

Set the air conditioner to turn on if room temperature exceeds 25°C.



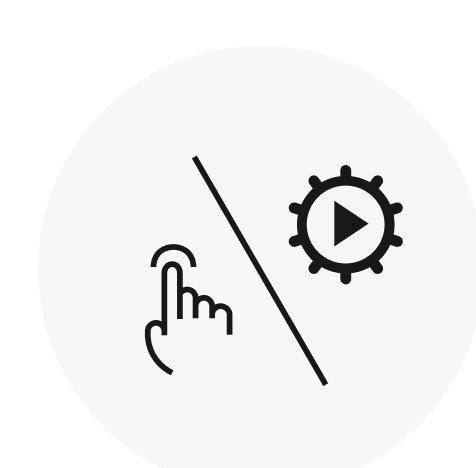
## CO<sub>2</sub> level scenarios

Configure activation of supply ventilation if carbon dioxide concentration increases, so that the quality of air in the room is always high.



## Humidity scenarios

Connect the humidifier to the smart plug to automatically turn it on when the humidity drops below the comfortable level.



## By pressing LightSwitch

To give clients peace of mind and help them make sure they've turned off all appliances before going to bed, set up a scenario by pressing LightSwitch. Smart plugs will turn off all the necessary appliances as soon as the user turns off the light in the room.



**Jeweller**  
communication technology



**Jeweller** is a radio protocol for fast and reliable two-way communication between hubs and connected devices. The protocol provides wireless communication range up to 1100 m, which allows installing smart plugs not only in flats and private houses, but also in a large open space or a warehouse complex.

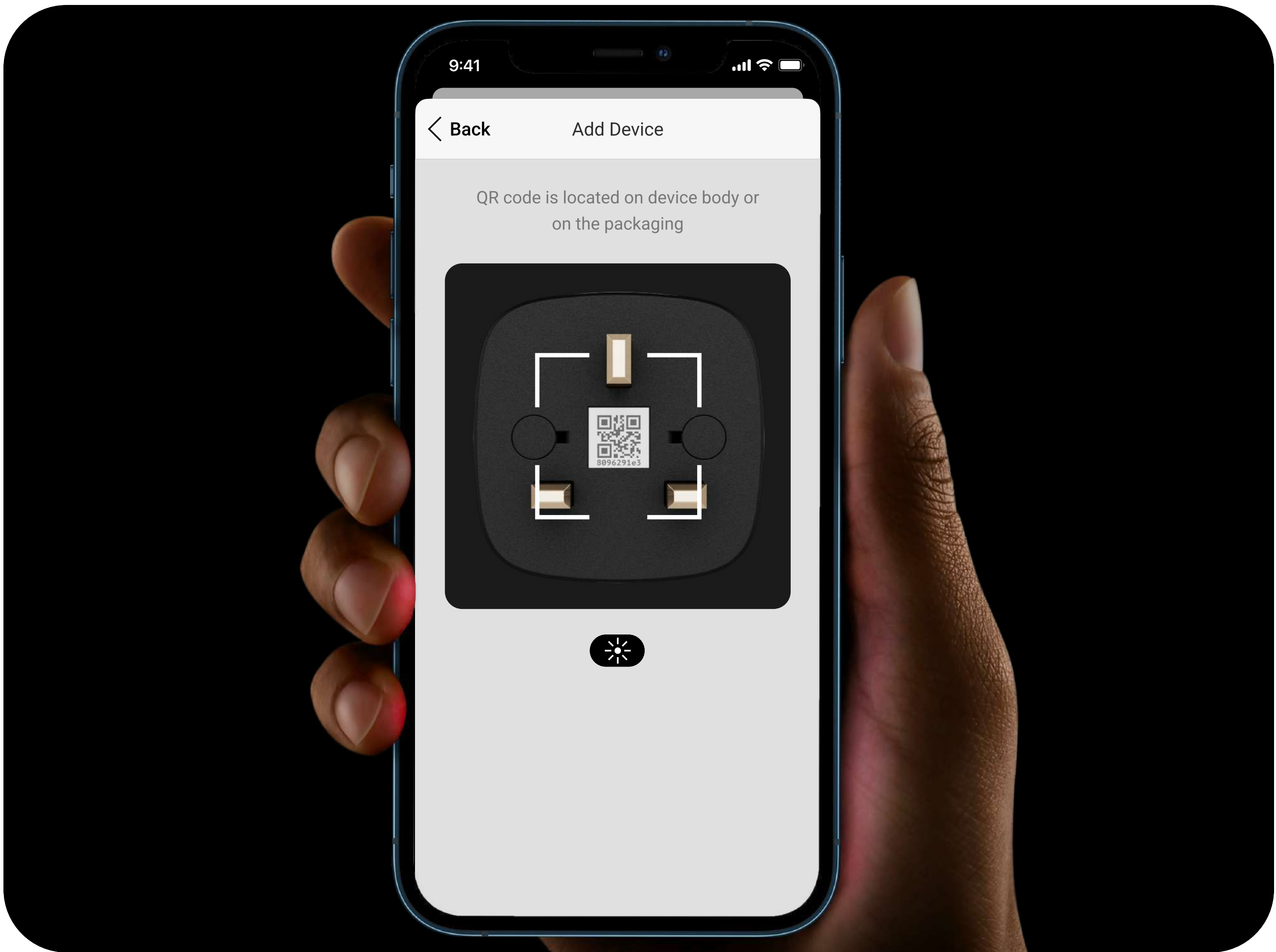


Jeweller is responsible for transmitting all the necessary information and provides instant control of any number of Socket Plus (type G) devices in the system. With Jeweller, users can always manage connected devices and see current consumption figures in Ajax apps.


## Quick pairing

The installer can easily connect Socket Plus (type G). It takes less than a minute to pair the device with the Ajax security system.

To add a Socket Plus (type G) to the system, scan a QR code with the Ajax app, name it and assign a room. The device and automation scenarios are also configured in the app in real time.



## Technical specifications

Communication with control panel	<div> <b>Technology communication technology</b></div> <div><b>Frequency bands</b> 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 region of sales.</div> <div><b>Maximum effective radiated power (ERP)</b> up to 20 mW</div> <div><b>Communication range</b> up to 1,700 m Without obstacles.</div>	Compatibility	<div><b>Hubs</b> Hub Plus Hub 2 (2G) Hub 2 (4G) Hub 2 Plus Hub Hybrid (2G) Hub Hybrid (4G)</div> <div><b>Range extenders</b> all Ajax radio signal range extenders</div>
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Power supply	<p><b>Power supply voltage</b> 230 V~, 50 Hz</p> <p><b>Maximum load current</b> 13 A</p> <p><b>Output power</b> up to 3 kW</p> <p><b>Consumption</b> up to 1.5 W</p>	Features	<p><b>LED load indication</b></p> <p><b>Energy consumption</b> monitoring current voltage power consumption power consumed Values available in Ajax apps.</p> <p><b>Automation scenarios</b> by changing the security mode by schedule by alarm by temperature by CO<sub>2</sub> concentration by humidity by pressing LightSwitch</p> <p><b>Two operation modes</b> Pulse Bistable Installed by a PRO or admin user in Ajax apps.</p>
Types of electrical protection	<p><b>Voltage protection</b> 184–253 V~ The plug turns off the power when the voltage exceeds these limits.</p> <p><b>Current protection</b> From 1 to 16 A Installed by a PRO or admin user in Ajax apps.</p> <p><b>Temperature protection</b> +95°C The socket turns off the power in case of overheating.</p> <p><b>Arc fault protection</b></p>	Installation	<p><b>Operating temperature</b> from 0°C to +50°C</p> <p><b>Operating humidity</b> up to 75%</p> <p><b>Ingress protection</b> IP20</p>

Enclosure	<b>Colours</b> white black  <b>Dimensions</b> 54.1 × 54.1 × 58.4 mm  <b>Weight</b> 90 g	Complete set	Socket Plus (type G) Jeweller Quick Start Guide
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