Outlet [type E] Jeweller

Wireless smart wall outlet with power consumption monitor

Components	
Outlet [type E] is a prefabricated smart outlet. All parts are purchased separately.	**Relay** OutletCore (smart) [type E] Jeweller To control the power supply of the outlet. **Cover** SoloCover (smart) [type E] It is used when the outlet is installed as a separate device. **All covers consist of two elements of the same colour: front panel and receptacle cap.** SideCover (smart) [type E] It is used when the outlet is installed on the right or left of the device set. CenterCover (smart) [type E] It is used when the outlet is installed between the device set. **Frames** • Frame (2 seats) • Frame (3 seats) • Frame (4 seats) • Frame (5 seats) Frames for two, three, four, and five Ajax outlets and switches in any combination.
Configuration	**Single outlet** Outlet [type E] Jeweller is installed as a separate device. **Combined outlet** Outlet [type E] Jeweller is combined as a set with Ajax smart outlets and/or LightSwitch switches and installed into Frame side by side.
Cover colours	Black White Fog Gray Graphite Ivory Oyster

	Olive
Compatibility	**Hubs** Hub Plus Hub 2 (2G) Hub 2 (4G) Hub 2 Plus Hub Hybrid (2G) Hub Hybrid (4G) **Radio signal range extenders** ReX ReX 2

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 in the Ajax apps.
	
	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
	Automatic power control to reduce power consumption and noise interference.
	
	Radio signal modulation
	GFSK
	
	Radio signal range
	up to 1,100 m
	up to 3,600 ft
	Between device and hub (or range extender) in an open space.
	
	Encrypted communication
	All the data stored and transmitted are protected by

	block encryption featuring a dynamic key.
	Frequency hopping Radio communication uses frequency hopping to prevent interception and jamming.

Key features	**Control via smartphone**
	The user can set up the outlet configurations and receive a detailed event log in the Ajax app.
	
	Automation scenarios
	   ● security mode change reactions
	   ● scheduled actions
	   ● alarm reactions
	   ● temperature scenarios
	   ● humidity scenarios
	   ● CO_2 level scenarios
	   ● by pressing LightSwitch
	
	Energy consumption monitor
	Control of the current, voltage, power consumption, and electric energy consumed by connected appliances. All data is saved to the non-volatile memory and can be reset in the Ajax app.
	
	Shutoff timer
	Adjustable timer to turn off the connected appliances after the expired time: from 10 seconds to 2 hours.
	
	Touch button
	For manual control of the power supply to plugged-in devices. It can be enabled in the Ajax app.
	
	LED indication
	Informs about the outlet's state and the power consumption of connected appliances with different colours. The brightness of the LED frame can be adjusted or turned off in the Ajax app.
	
	Night backlight
	Optional and can be turned off in the Ajax app device settings.
	
	Operation modes
	   ● pulse
	   ● bistable
	
	Contact state
	normally open
	
	Children protection

	The outlet is equipped with special internal shutters. They protect children by preventing them from inserting items like screwdrivers, scissors, or hairpins into the outlet, and also guard against dust and splashes. **Service life** At least 150,000 switches.
Recomendations	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.
Power supply	**Power supply voltage** 230 V~, 50 Hz **Average consumption** up to 1.5 W **Output power** up to 3 kW (resistive load at 230 V) **Current protection** 1 A–16 A Once the current exceeds the selected value, the outlet turns off automatically. The recommended value is 13 A for permanent load and 13–16 A for short-term load. **Voltage protection** min — 184 V~ max — 253 V~ Once the voltage exceeds the specified levels, the outlet turns off automatically. **Temperature protection** more than +95 °C more than 203 °F If protection is triggered, the outlet turns off. **Electric shock protection class** Class I (with grounding terminal)
Operating parameters	**Operating temperature range** from 0 °C to +40 °C from 32 °F to 104 °F **Operating humidity**

	up to 75%
	Protection class
	IP20
Dimensions	**OutletCore (smart) [type E] Jeweller**
	72.5 × 76 × 44.4 mm
	2.85" × 2.99" × 1.75"
	SoloCover (smart) [type E] Jeweller
	front panel — 82.3 × 82.3 × 10.1 mm
	3.24" × 3.24" × 0.4"
	receptacle cap — 42.5 × 21.5 mm
	1.67" × 0.85"
	SideCover (smart) [type E] Jeweller
	front panel — 82.3 × 76.2 × 10.1 mm
	3.24" × 3" × 0.4"
	receptacle cap — 42.5 × 21.5 mm
	1.67" × 0.85"
	CenterCover (smart) [type E] Jeweller
	front panel — 82.3 × 70.4 × 10.1 mm
	3.24" × 2,77" × 0.4"
	receptacle cap — 42.5 × 21.5 mm
	1.67" × 0.85"
	Frames
	Frame (2 seats) — 82.8 × 153.5 × 6.3 mm
	3.26" × 6.04" × 0.25"
	Frame (3 seats) — 82.8 × 224.5 × 6.3 mm
	3.26" × 8.84" × 0.25"
	Frame (4 seats) — 82.8 × 295.5 × 6.3 mm
	3.26" × 11.63" × 0.25"
	Frame (5 seats) — 82.8 × 366.5 × 6.3 mm
	3.26" × 14.43" × 0.25"
Weight	**OutletCore (smart) [type E] Jeweller**
	75 g
	2.65 oz
	SoloCover (smart) [type E]
	front panel — 37 g
	1.3 oz
	receptacle cap — 8 g

	0.28 oz
	SideCover (smart) [type E]
	front panel — 26 g
	0.92 oz
	receptacle cap — 8 g
	0.28 oz
	CenterCover (smart) [type E]
	front panel — 25 g
	0.88 oz
	receptacle cap — 8 g
	0.28 oz
	Frames
	Frame (2 seats) — 16 g 0.57 oz
	Frame (3 seats) — 22 g 0.78 oz
	Frame (4 seats) — 28 g 1 oz
	Frame (5 seats) — 34 g
	1.2 oz
Complete set	OutletCore (smart) [type E] Jeweller
	SoloCover (smart) [type E]*
	SideCover (smart) [type E]*
	CenterCover (smart) [type E]*
	Frame*
	Installation kit
	Quick start guide
	*depends on the kit
Warranty	24 months