## What is CLIK?

- Open source device series for easy automation of electronic devices
- Take control of home-based electronic devices like (non-smart) room lights, kettle, water heater, air conditioning, fans, guitar amplifier, home theater, soundbar, speakers or almost any other device
- Connect CLIK with your smartphone, computer, Amazon Echo or Google Assistant and by just one tap or voice command you can turn the light on, turn the music up, turn off the water kettle or boiler, find out the temperature or the atmospheric pressure
- Small size allows CLIK to be installed directly and inconspicuously into wall mount boxes*, underneath the existing light switch
- CLIK is the smallest smart device for this application
- Installed device is not normally visible, unlike commercially available smart switches
- Unlike similar devices on the market, CLIK uses a bipolar relay that only needs an impulse to change the current state, meaning it does not waste power and heat while turned on. This drastically improves life expectancy and reliability
- Unlike with some other devices, there is no need to change all installations in home to gain home automation. With CLIK, you can alter only the existing connections for the devices you want to automate and where you want it
- It can also be connected directly to AC switch, thereby eliminating the light being stuck in ON or OFF position in case there is a network crash or internal error
- CLIK is Arduino compatible, meaning anyone can alter the code and adjust it as they seem fit

Shields:

- There is a possibility of installing NFC and RFID reader which gives more flexibility and wider range of applications (brains for smart door locks, office or classroom check-in points)
- You can add sensor shields or relay expansions allowing you to monitor temperature, atmospheric pressure, humidity, hand gestures and more
- Touch shield can replace physical switch to lower the overall cost and make using CLIK a more satisfying experience
- Since bistabil or latch relays need power only for changing the current state, you can add as many** of them as you want. As long as you are not switching them all at the same time
- Ambient light and gesture sensor shield makes switching the light one swipe away

* CLIK is designed to perfectly fit in standard European wall mounting/wiring boxes
** Default CLIK packs 100-240VAC power supply, one bistabil relay and Wi-Fi
enabled microcontroller (ESP-07 or ESP-07S)