

INSTALLATION REQUIREMENTS

KEEMPLE G 2.0 SMART HOME SYSTEM

When should you schedule the system installation?

Schedule a visit from a Keemple installer once all renovation, finishing, and adaptation works in the residential premises have been completed (“turnkey finishing”). Standard light switches must be installed in the apartment, and if external blinds/shutters are present, shutter switches must also be installed.

If an installer visit is scheduled in an apartment that does not meet the above requirements, the installation of some devices may not be possible.

How to prepare for the installer’s visit?

Bring the Keemple Smart Home kit to the installation site, as well as a smartphone or tablet running Android (version 9 or higher) or iOS (version 11.0 or higher). Devices with operating systems older than those specified above will not be able to run the application.

Ensure that Internet access is available at the installation site. We recommend that wireless Internet connectivity be available in all rooms of your apartment. All system components that connect via Wi-Fi (gateway, universal infrared controller, camera) operate in the 2.4 GHz band. You may connect the gateway directly to the router using a LAN cable; for this purpose, your router must have a free LAN port.

Prepare the password for your Wi-Fi network, as it will be required for system configuration.

Some Keemple Smart Home devices, such as the gateway, camera, or universal infrared controller, require a permanent connection to power. Make sure that free electrical outlets are available at their installation locations. The gateway can also be connected directly to a USB port on the router.

If you have received a smart thermostat, check whether the components of your central heating system are in working order and meet the appropriate technical parameters. Installation of the smart thermostat is possible on a radiator equipped with a Danfoss RA or K valve (valve size 30/1.5) in accordance with the product specifications. Thermostat dimensions: ϕ 57 mm × 93 mm.

If you wish to configure the universal infrared controller, ensure that during installation the apartment contains devices operated via infrared remote control (e.g. television, home theater system, air conditioner, ventilation system).

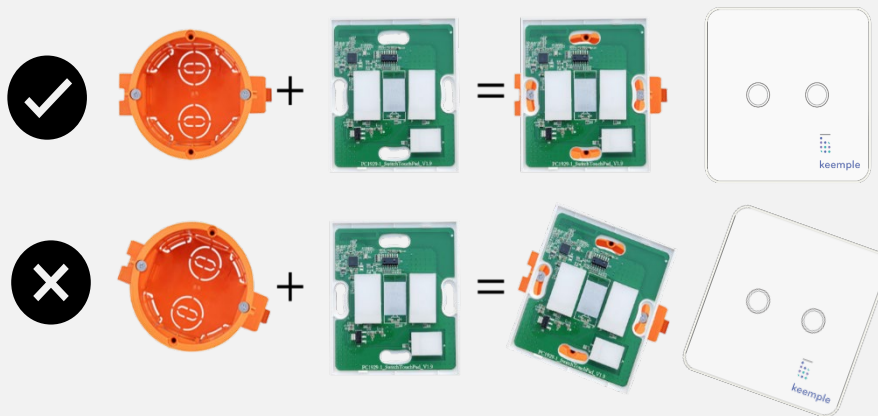
ATTENTION!

Below you will find the general requirements for the electrical installation. They will be necessary if you plan to make tenant-specific modifications in your apartment.

Keemple Smart Home devices must be used in accordance with the attached specifications. For safety reasons, Keemple devices cannot be installed in bathrooms (this does not apply to the flood/leak sensor). Keemple devices must remain outside the bathroom area.

All electrical boxes intended for Keemple devices must be equipped with a neutral (N) wire. The absence of a neutral wire will make installation impossible. Installation of light switches, shutter controllers, and dimmers with a touch panel is only possible in electrical boxes that comply with the specifications applied by the developer and in electrical boxes with a depth of 60 mm. It is necessary to leave at least 25 mm of free space inside the box (excluding the wires). Electrical boxes must be installed in accordance with the axes of symmetry.

Please note that our switches are mounted with screws into the mounting holes of the electrical box; therefore, it is important that the box is not installed in a rotated position, e.g., at a 45° angle.



Dimmers work only with lighting that is designed for dimming or with a voltage-regulated lighting system.

Shutter controllers work with motors with a maximum power of 400 W, powered and controlled by 230 V.

Keemple single and double switches can perform two-way and intermediate (cross) switching functions. This is possible through connections between devices configured in the Keemple application. These connections require Internet access. No special electrical installation is required for this purpose.

Devices must not be installed in multi-gang electrical boxes combined with electrical sockets.



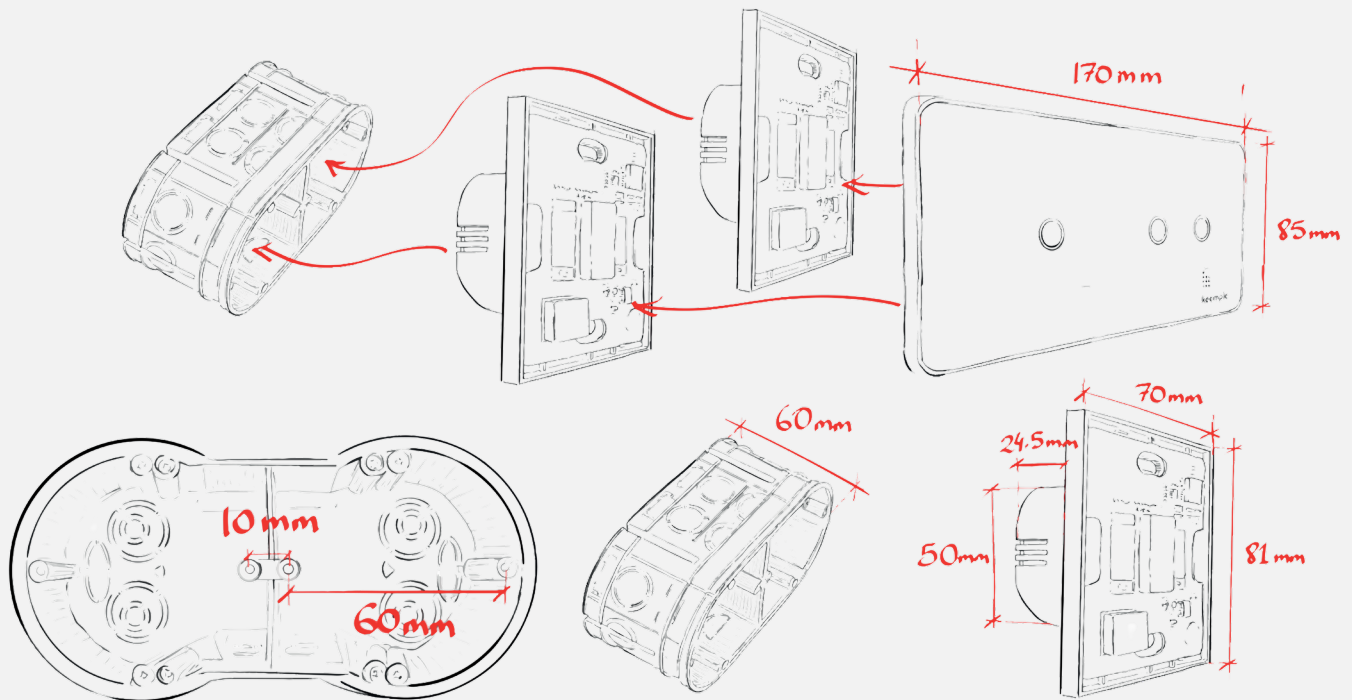
Keemle devices can be installed in double, triple, and quadruple frames. An additional, appropriate frame is required for this purpose.

The dimensions of the double frame are 170 mm × 85 mm.

The dimensions of the triple frame are 227 mm × 85 mm.

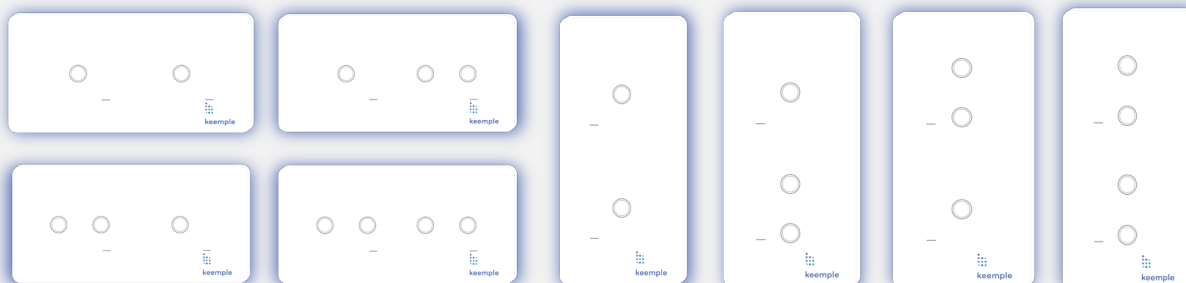
The dimensions of the quadruple frame are 299 mm × 85 mm.

Installation boxes must have a diameter and depth of 60 mm.

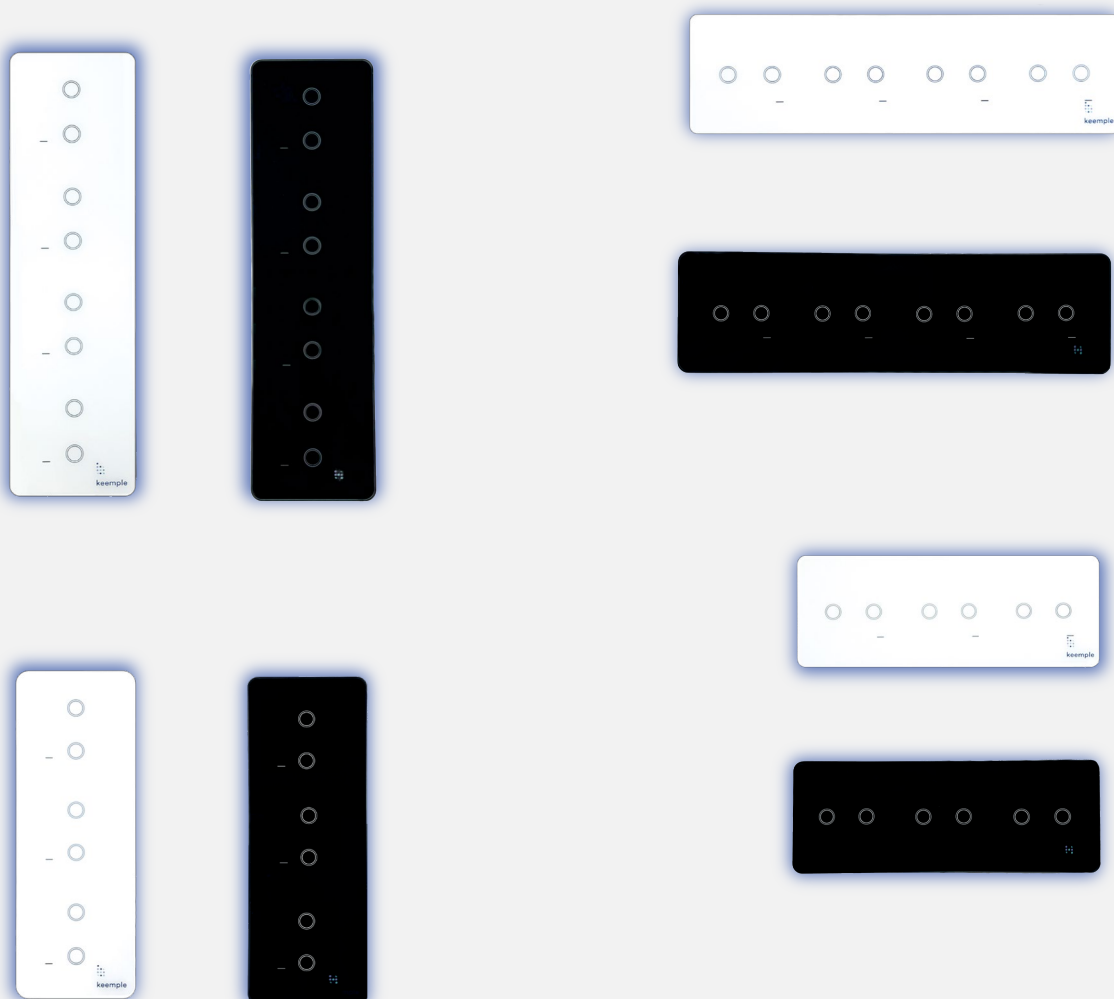


Horizontal and vertical double frames are available in the following combinations:

single + single (1+1); single + double (1+2);
double + single (2+1); double + double (2+2).

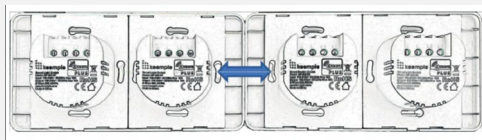


Triple and quadruple frames (vertical, horizontal, black, and white) are available only for double switches.

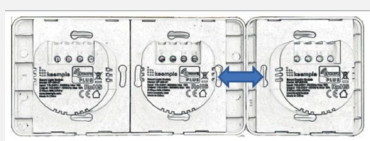


It is possible to place double frames, single panels, and their combinations next to each other. In such cases, appropriate distances between the mounting screw points of the electrical boxes must be maintained.

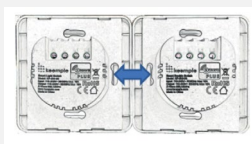
Correct installation of double frames next to each other requires a minimum distance of **40 mm** between mounting points.



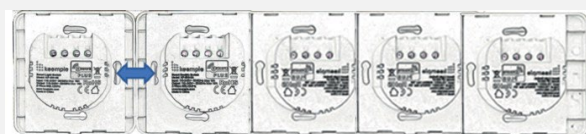
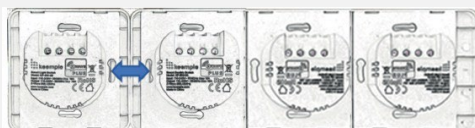
Correct installation of double frames next to single panels requires a minimum distance of **35 mm** between mounting points.



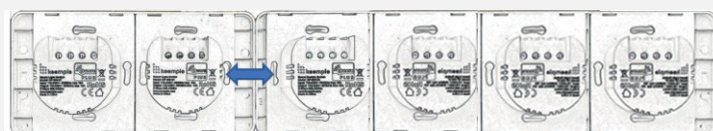
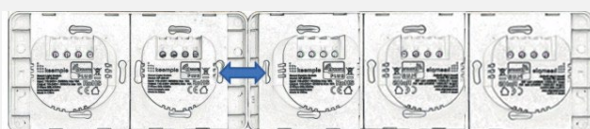
Installation of several single panels next to each other is possible if a minimum distance of **25 mm** between the mounting points of the electrical boxes is maintained.



When installing triple and quadruple frames next to each other, a minimum distance of **25 mm** between the frames must be maintained.



When installing triple and double frames next to each other, as well as quadruple and double frames, a minimum distance of **35 mm** between the frames must be maintained.



Smart Lock

If you decide to expand our Smart Home system with the **Keemple Smart Lock**, please review the information below.

Installation Requirements

- There must be **no round knob** on the inside of the door.
- The lock is installed on a **flat thumb turn (“butterfly”)** or on a **key**, provided that the cylinder allows a key to be inserted from both sides at the same time.
- The set includes **adapters, spacers, and covers** that allow the lock to be fitted to most standard cylinders. Installation **does not require drilling or replacing the existing lock**.



External Pinpad

- Installed on the entrance side, equipped with a **PIN keypad, fingerprint reader, and RFID card/key fob support**.
- Communicates with the internal module via **Bluetooth**.

Operation and Integration

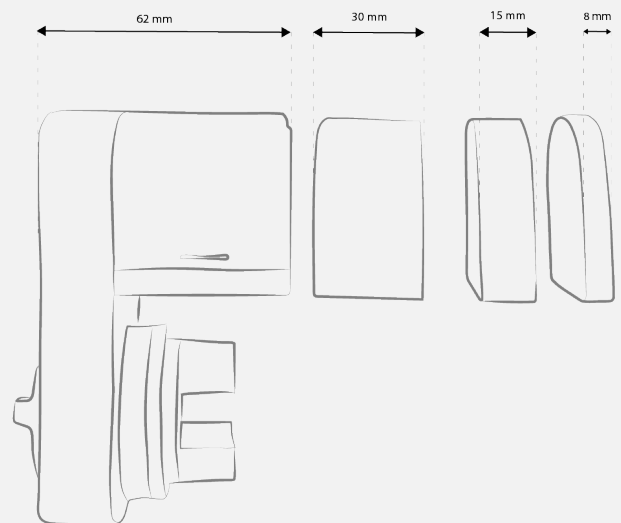
- The lock can be operated **manually** (using the thumb turn or key) as well as **remotely** via **PIN code, fingerprint, RFID card/key fob, or the Keemple app** (Bluetooth, Wi-Fi, Z-Wave).
- The app allows you to **assign virtual keys, view access history, and set automations**, such as automatically locking the door every day at 10:00 PM.
- The device is **fully compatible with the Keemple Smart Home system**.

Power Supply

- Internal module: **4 × CR123 batteries**.
- Pinpad: **2 × AA batteries**.
- In case of battery depletion, the door can still be opened with a **traditional key**.

Key Benefits

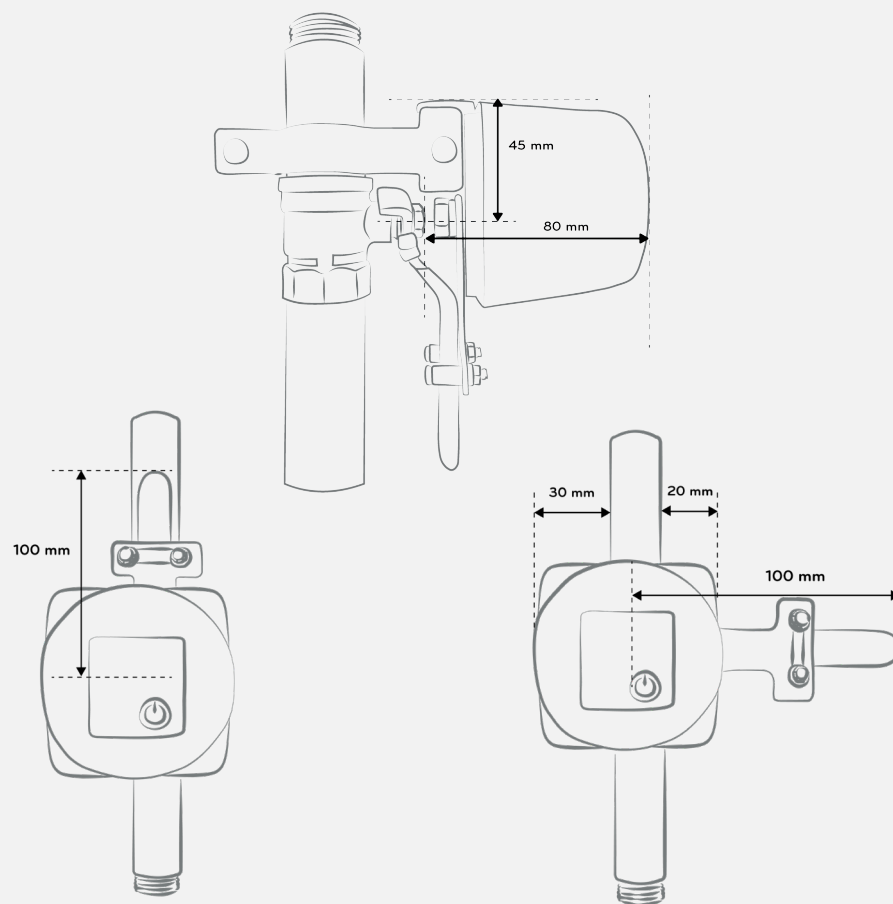
- **Easy installation** without modifying the door.
- **Multiple unlocking methods:** app, PIN, fingerprint, card/key fob, key, thumb turn.
- **Integration with the Smart Home system** and flexible automation scenarios.
- **Access history** and the ability to grant **temporary access**.



Smart Water Valve Controller

Our water valve controllers can be installed on valves with a **handle** (not butterfly-type valves). The device can be installed on pipes with **½-inch and ¾-inch valve connections**. There must be **at least 80 mm of free space above the valve** (measured along the axis of symmetry of the handle screw); the device itself has a height of **60 mm**.

The water valve controllers are powered by **12 V**, which ensures that **no high voltage is present near the water valves**. The power supply used for the device is standardly equipped with a **1 m power cable**. Additionally, each water controller is fitted with a **hermetically sealed 1.5 m cable**. This provides a **total cable length of 2.5 m**.



ARE YOU READY FOR INSTALLATION?

Contact our Customer Service Department
by sending an email to **biuro@keemple.pl**
or by calling **+22 295 18 31**.



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KEEP IT SIMPLE.