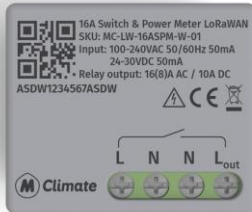




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## **MClimate introduces the 16A Switch & Power Meter LoRaWAN® a compact device featuring a wet 16A relay and electricity meter.**



***We've created a LoRaWAN device that packs all the functionality of standard switches into a compact design that fits seamlessly behind most wall switches and power equipment. This innovative solution allows you to remotely monitor, control, and automate your lights or small electrical appliances.***

In many buildings, electrical appliances are often inefficient and waste significant energy due to inadequate monitoring and lack of precise, demand-driven control. The 16A Switch & Power Meter LoRaWAN® addresses this challenge by leveraging LoRaWAN technology and important functionalities to optimize energy management. Perfect for retrofitting any building, this device features a wet 16A relay and an integrated electricity meter, allowing you to automate, monitor, and control your energy usage. It operates by connecting and disconnecting Lout from Lin through its four terminals (L, N, N, Lout). Additionally, the device is equipped with overheating protection, supports FUOTA (Firmware Upgrades Over The Air), and functions in LoRaWAN Class C.

The MClimate 16A Switch & Power Meter LoRaWAN® is ideal for a range of electrical appliances and switches, including parts of HVAC systems, lighting controls, boilers, electric heaters, electric & hydronic floor heating, garden sprinklers as well as most consumer electronics, and electrical appliances up to 16A. You can conveniently use the device anywhere in the property to enhance efficiency and cut electricity costs without a significant upfront investment.

The data from the MClimate 16A Switch & Power Meter LoRaWAN® can be used in any LoRaWAN compatible system, incl. Building Management Systems to control demand-based ventilation. Relay information can be exposed as data points in Modbus, BACnet, and KNX systems through the use of a special gateway. In combination with the MClimate Enterprise software solution the MClimate 16A Switch & Power Meter LoRaWAN® enables ultimate monitoring, control, and analytics of the electricity usage of the small appliances in your building from one place.

*"It's a tiny, yet very powerful and versatile device that unlocks many use cases for energy efficiency."*  
said Lyubomir Yanchev, Founder and CEO at MClimate.

In response to the increasing demand for rapid retrofitting and energy management, the MClimate 16A Switch & Power Meter LoRaWAN® reduces electricity consumption, and improves efficiency, and sustainability in both existing and newly constructed buildings. Serving as a crucial tool for facility managers and building owners, the compact 16A Switch & Power Meter LoRaWAN® aims to achieve optimal demand-based energy consumption without compromising on safety.

## **About MClimate**

MClimate specializes in the development of IoT hardware devices and software solutions that prioritize energy efficiency, air quality, and water loss prevention to make any building smart. Through partnerships with global entities, technology providers, end-users, and institutions, we reshape buildings into sustainable places that enhance the well-being and health of their occupants. Moreover, we aid companies in achieving their ESG goals along the way.

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## **RELEVANT LINKS**

**Website:** <https://mclimate.eu/>

**MClimate 16A Switch & Power Meter LoRaWAN®:** <https://mclimate.eu/products/mclimate-16a-switch-power-meter-lorawan?variant=48655150514508>

**LinkedIn Profile:** <https://www.linkedin.com/company/mclimate/>