

MClimate Releases All-In-One Retrofit Device That Easily Achieves 30% Cost Reduction – Fan Coil Thermostat LoRaWAN®

Introducing

 **Fan Coil Thermostat**
by MClimate



The new MClimate device Fan Coil Thermostat is the first EU-manufactured LoRaWAN® smart solution that combines in one place everything needed for rapid building retrofit. Upon installation, the device effortlessly achieves a 30% cost reduction by delivering essential indoor climate data and efficiently controlling energy consumption. With the MClimate Fan Coil Thermostat LoRaWAN® step faster into the future of smart buildings.

Currently, over 35% of the EU's buildings surpass 50 years in age, and nearly 75% lack energy efficiency, with only about 1% undergoing annual renovation, making the majority of them highly unsustainable. A key factor in these statistics is the absence of consistent data to establish achievable sustainability targets. Without the data, it is challenging to identify individual areas within buildings that are either overheated or excessively

cooled, leading to energy waste and much higher costs. In this situation applying a short-term mindset and implementing major "green" solutions based on no proof will lead to even higher inefficiencies.

While it's tempting to invest in new technology like changing the BMS systems or implementing expensive solar energy solutions, there are straightforward changes that can deliver immediate results. For example, numerous buildings rely on Fan Coil Units (FCUs) as fundamental heat exchangers. These FCUs are discreet, yet you can easily recognize them by identifying the thermostat as on it you can control the temperature and fan speed. By installing the MClimate Fan Coil Thermostat LoRaWAN® enhancing your building's efficiency and reducing the energy costs with 30% is done with just one smart device.

The MClimate Fan Coil Thermostat LoRaWAN® is a single data point collection device that allows accessing, monitoring and controlling of the temperature, humidity, and A/C on a room-by-room basis effectively achieving 30% cost savings. With the real-time radio communication, the MClimate Fan Coil Thermostat is LoRaWAN® Class C device that is equipped with 4.2" e-ink Display. It is compatible with 2-pipe and 4-pipe Fan Coil Units (FCUs) and 1-3-speed fans and ECM (0-10V) fans allowing individual control and easy cost savings on room-by-room basis. The high compatibility rate among the other functionalities is making the MClimate Fan Coil Thermostat an all-in-one retrofit solution for offices, commercial and public buildings as well as entire hotel chains.

"Our company is committed to developing cutting-edge smart LoRaWAN® solutions that effectively address the needs of building management over the long-term. We are striving for consistently improving the energy efficiency and sustainability goals of a building by providing real-time data and control needed on room-by-room basis." - said Lyubomir Yanchev, Founder and CEO of MClimate. "The MClimate Fan Coil Thermostat LoRaWAN® all-in-one smart solution that guarantees a rapid 30% cost savings across various building portfolios. As we maintain LoRaWAN®, an open protocol for all our devices, including the Fan Coil Thermostat, we ensure no vendor lock-in and seamless integration with various IoT platforms."

As the need of retrofitting old buildings grows, especially considering the prolonged use of many inefficient buildings, the MClimate Fan Coil Thermostat LoRaWAN® emerges as a must-have solution for facility managers and building owners to enhance and optimize their indoor environment.

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

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Fan Coil Thermostat LoRaWAN®: <https://mclimate.eu/products/mclimate-fan-coil-thermostat-lorawan>

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