

## Product Sheet: Scimetic Modbus Controller

*Power over Ethernet (POE) Enabled | Ideal for HVAC, Lighting, and Machinery Integration*

The Modbus Controller is a cutting-edge device designed to seamlessly integrate with various systems in an industrial plant. Equipped with Power over Ethernet (POE) capability, this controller offers enhanced flexibility and convenience, making it the perfect solution for streamlining operations in the fields of HVAC, lighting, generators and other machinery.



### Key Features:

1. **POE Integration:** With its POE functionality, the Modbus Controller eliminates the need for separate power supplies, minimising complex wiring requirements and reducing installation costs.
2. **Versatile Compatibility:** Designed to be compatible with a wide range of systems, including HVAC, lighting, and different machinery, this controller ensures effortless integration and efficient

communication across multiple devices.

3. **Simplified Management:** Our user-friendly interface allows for easy configuration and seamless management of connected systems, enabling smooth monitoring and control from the Hortimod platform.
4. **Real-time Monitoring:** The Modbus Controller provides real-time visibility into crucial parameters such as temperature, humidity, lighting levels, and more. This enables prompt detection of any anomalies, allowing for rapid response and preventive measures.
5. **Energy Efficiency:** By optimizing energy consumption through intelligent control algorithms and automated scheduling, this controller helps reduce operational costs while maintaining optimal performance.
6. **Scalability and Expansion:** The Modbus Controller supports scalability, allowing for the addition of new devices and expansion of the system as per evolving requirements. This future-proof design ensures long-term adaptability and cost-effectiveness.
7. **Reliability and Durability:** Built with high-quality components and rigorous testing, the Modbus Controller guarantees reliability, ensuring uninterrupted operation even in demanding industrial environments.

#### Technical Specifications:

- **Protocol:** Modbus TCP/IP
- **Power Source:** Power over Ethernet (IEEE 802.3af)
- **Communication:** Ethernet or IEEE 802.11 b/g/n 2.4GHz; (Wi-Fi)
- **Operating Temperature:** -40°C to +85°C
- **Input Voltage:** 12V DC
- **Compatibility:** HVAC, lighting, Generators and various machinery systems
- **Certifications:** CE, RoHS (EN IEC 63000:2018), ETSI EN 300 328 V2.1.1 (2016-11), EN 62368-1:2014, EN62311:2008; EN62479:2010

#### Applications:

The Modbus Controller finds extensive application in various industrial sectors, including:

- HVAC systems in commercial buildings and manufacturing facilities
- Lighting control systems for efficient energy management
- Integration with machinery and equipment on a plant floor

With its advanced features, compatibility, and reliability, the Modbus Controller offers an unparalleled solution for seamless integration, centralized control, and efficient management of diverse systems within an industrial setting.

Choose the Modbus Controller today and experience enhanced productivity, cost savings, and operational efficiency.