



TECHNICAL DATASHEET OF THE AXIS REMOTE

The Axis Telemanagement System enables efficient and integrated technical management of indoor installations through remote and centralized monitoring and control in real time.

Monitoring the installation's operating status allows us to take immediate action in the event of anomalies.

The system provides an API that allows data from third-party management platforms to be integrated. It consists of the gateway, communication aggregator and individual luminaire control units.

Benefits for Your Building

- ✓ Energy savings
- ✓ Reduced maintenance costs
- ✓ Remote building management
- ✓ Wireless platform for Smart Building integration
- ✓ Efficient management
- ✓ Unique and intuitive front-end interface



Main Applications

Industrial Spaces

Warehouses
Businesses
Offices

Public Spaces

Schools
Museums
City Halls

Sports Facilities

Sports Halls
Gyms

Circulation Areas

Corridors
Passageways
Courtyards
Terraces
Balconies





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Main Characteristics



Lighting Management

Allows lighting management, being compatible with LED lighting, sodium vapor, and solar energy.



Energy Monitoring and Measurement

Provides automatic analysis and evaluation of infrastructure data.



Lighting and Energy Reports

Allows the generation of alarm reports, providing users with up-to-date information. Reports can be exported in PDF format.



Real-Time Data

Allows real-time monitoring by measuring consumption, voltage, accumulated power consumption, dimming percentage, luminosity level, and system temperature.



Temperature Monitoring

Allows monitoring of ambient temperature.



Emergency Service

Allows access to the emergency service. Whenever this service is activated, the lighting in the zone/client will operate at 100% until otherwise instructed, then returning to normal operation.



Map Representation

Allows implementation of the building's floor plan and the location of luminaires, as well as the layout of the exterior area surrounding the building.



Macros

Allows reading of analog and digital inputs, enabling actions such as controlling lighting, sending information via email, and/or activating relay outputs.

Other Characteristics

- ✦ Allows dimming adjustment in 1% increments.
- ✦ Allows requesting the status of each luminaire via telemetry request.
- ✦ Supports operation with at least 3 communication protocols: DALI / 0-10V / PWM.
- ✦ Allows connection of PIR motion sensors.
- ✦ Allows programming of PIR activation time via radio.
- ✦ Allows configuration of light setpoints to turn the luminaire on and off.
- ✦ Allows configuration of 5 time profiles to maximize savings and adjust lighting.
- ✦ Enables ramping between different time profiles.
- ✦ Enables dimming ramping whenever the PIR timer ends.
- ✦ Allows configuration per luminaire and/or group of luminaires.
- ✦ Integrates into existing electrical installations without requiring changes or modifications.
- ✦ Allows the client to implement new installation zones without supplier intervention (enables progressive integration).



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Gateway

- ✦ A gateway combines network infrastructure, software, and dedicated services to enable a range of applications in lighting management. This device provides bidirectional RF communication.
- ✦ The embedded platform can be accessed through a device (PC, tablet, or smartphone). Access to the platform can be made via an ETH cable with an internet connection (3G/4G card) or via Wi-Fi.
- ✦ To access the platform, it is only possible by using personal credentials (a username and password). It also allows for the creation of specific access for viewing or modifying parameters.
- ✦ The radio frequency used is in the sub-GHz band, 868MHz, in order to avoid interference from other more common commercial frequencies, creating a mesh network.
- ✦ It is possible to use two radio units, allowing redundancy and/or the possibility to use multiple peripherals.
- ✦ It allows for channel selection and encryption key setup to ensure the communication system is used securely.
- ✦ Remote access and software updates are also supported.

Other equipments

- ✦ Allows the installation of emergency buttons that communicate via radio.
- ✦ Allows the installation of ON/OFF and/or Push-Dimming buttons for local control of the luminaires, with radio-based operation.
- ✦ In the event of a momentary RF communication interruption, the control units remain operational according to the last known programming.

Other services

- ✦ Irrigation management and control for gardens with up to a maximum of 16 zones.
- ✦ Connection to information panels via RS232/RS485/UART communication from the gateway.
- ✦ Ambient sound management through a dedicated platform.
- ✦ Energy measurement of luminaires and/or the main electrical supply panel.
- ✦ Ambient temperature monitoring.



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Globaltronic 
spreading technology

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