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NEW Product

SMARTLIGHT

An economical, durable and practical solution that increases the security of data center systems and facilitates their control!

The Smart Light Management Module is a next-generation intelligent system component designed for remote monitoring, manual control, and management of lighting and temperature in IT environments.

In sensitive IT environments such as data centers, server rooms, UPS rooms, etc., it provides functionalities including:

- **Continuous or motion-activated lighting,**
- **Visual alerts for remote monitoring of temperature status,**
- **Setting desired temperature levels and providing audible and visual alarms when limits are exceeded,**
- **Activating hot air exhaust units or cooling systems when necessary,**
- **Sending information to the monitoring center or triggering additional functions in abnormal conditions,**
- **Operating alert devices such as sirens.**

Thanks to these features, the system not only enables precise lighting control but also allows for early detection and prevention of temperature-related disruptions or immediate intervention. **It ensures system security, energy efficiency, and early warning capabilities, offering significant advantages.**

Its compact size allows for easy installation in any location. All cable connections are on one side, and special connection sockets enable extremely fast and straightforward setup. The module is equipped with LED lights to indicate operating status and an LCD screen to display internal and set temperature values.

General Features

- Fire retardant plastic body,
- Temperature setting buttons (adjustable between 18-35 °C with 1 °C sensitivity),
- On/Off button with standby mode,
- Sensor with 0.1 °C accuracy
- LCD screen displaying the set temperature,environment temperature and flash alerts in case of alarm status,
- On the front face: LED indicators showing active lighting, power input, and features activated in unusual situations,
- On the top panel there is power input, white, red, and blue lighting inputs, air conditioning contact, alarm output contact, and socket connections for warning devices such as sirens
- These sockets allows easy connection without screws and quick detachment with their locking design
- Easy installation with mounting ears on both sides.
- Can be manufactured in different colors.

Technical Specifications

Dimensions	200 x 95 x 50 mm.
Weight	320 gr.
Operating Voltage	100 - 240 VAC
Warranty Period	2 Year

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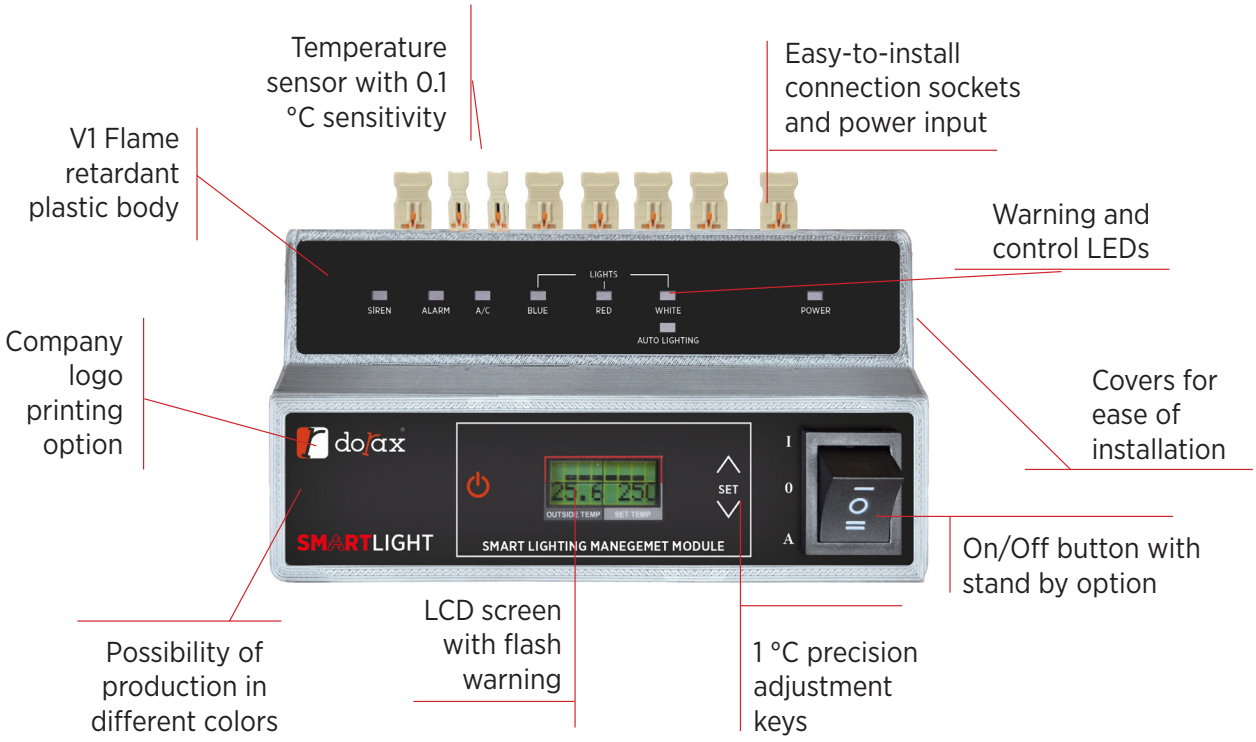
SMARTLIGHT



How It Works

When the module, installed in the appropriate location Power input (100 - 240 VAC), motion sensor input (any number of sensors can be connected in parallel), White LED lighting connection, Red Warning LED connection, and Blue Warning LED connection (matched to the input voltage) are connected. The color-coded **Warning LEDs** help ensure correct wiring order.

Afterward, if desired, connect the A/C contacts to activate a **Cooling** Unit or a FAN Unit that will discharge heated air as backup or when necessary. You can also add another feature using an **open dry contact** (NA) with a monitoring center or separately. Complete the recommended connections for the system by connecting an external **siren** and/or **flashing light** to alert in unusual conditions.

On the LCD panel, the lower-left displays the **environment temperature**, and the lower-right shows the **Set** (desired) **Temperature**, which defaults to 25 °C when powered on. This temperature can be adjusted between 18-35 °C with 1 °C sensitivity.

Once the desired temperature is set, the system begins to operate.

If the ambient temperature is within ±3°C of the set temperature, the **Blue Warning Light** will be active.

If the temperature falls more than -3°C below the set value (possibly due to an incorrect cooling setting or if the set value is too high), the **Blue Warning Light** will begin to flash, indicating that excessive cooling is occurring.

If the ambient temperature rises more than +3°C above the set temperature, the **Blue Warning Light** turns off, and the **Red Warning Light** turns on.

At this point, the cooling unit or FAN unit connected to the A/C socket also activates, helping reduce the temperature to the desired level. It is recommended to make this connection active to prevent overheating in case the cooling unit is not always needed or malfunctions.

If the ambient temperature continues to rise, exceeds +10°C of the set value, the **Red Warning Light** starts flashing, the siren activates (recommended for placement outside the system room or data center), and the siren provides an audible warning. The alarm output contact closes, sending information to the monitoring center or activating other desired features.

When values return to normal, the module will resume normal operation.

In data centers with an environmental monitoring system, the backup and supporting function features of the system will provide additional security to the existing setup.

In data centers and server rooms without an environmental monitoring system, it provides security by offering information about the environment.

The switch on the product operates in **Auto - Manual - Off** modes, providing the necessary lighting function.

In Auto Mode, **White Led Lighting** activates when movement is detected,

In Manual Mode, it stays on continuously.

When set to OFF mode, lighting is completely turned off.

The lighting function operates independently of other functions.

DDN: 07-003-2024-01-B

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