MCS

MODULAR CONTROL SYSTEM



powered by ELEKTRA

THE SMARTEST WAY TO LIGHT



ELEKTRA'S MODULAR CONTROL SYSTEM

A New Approach to Lighting Control.

The MCS system is the modular control solution for modern LED luminaires. Certified for the relevant target markets—for reliable and versatile use.

Thanks to its modular design, the system can be flexibly adapted to individual requirements: Function modules are simply plugged directly into the driver and can be expanded at any time.

Control your LED lighting conveniently and intelligently—via remote control, sensor, or smart home app—with the MCS system. A complete system—simple, flexible, convenient, and future-proof.



Every detail considered.

High compatibility

All function modules are available in different versions, so that all 24 V ELEKTRA luminaires with the ESP system can be connected.

High-quality design

Dark gray surfaces and light gray lettering give the product a modern, high-quality look. The timeless design is understated and harmonious, blending seamlessly into a variety of environments.

Low Profile

With a height of just 15.8 mm, the product is exceptionally slim and can be positioned behind furniture in a space-saving and unobtrusive manner.



Excellent integration

The dark housing allows for particularly unobtrusive integration into furniture and ensures a harmonious, understated appearance.

High tensile strength

The high tensile strength ensures a secure hold: The components can only be separated from one another when a tensile force of at least 30 newtons (equivalent to 3 kg) is applied

Straightforward installation

Simple assembly and intuitive setup enable quick and straightforward installation—without any complicated or time-consuming setup processes.

Convenient operation

The lighting control system can be flexibly operated via remote control, sensor, or app. A consistent and intuitive operating logic ensures convenient and easy use.



Overview

Driver



24 V / 30 W



24 V / 60 W



24 V / 90 W



24 V / 120 W

Modules



6-Port Distribution Module



, 12-port distribution module



Smart Module, 1-Channel



Smart Module, 6-Channel



4-Channel Wireless Sensor Module



Remote Control

Sensors



, Wired IR Sensor

, Wired Motion Detector



, Wired Touch Sensor



Wired Door Contact Sensor



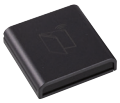
-Frequency IR Sensor



Wireless Motion Detector



Wireless Touch Sensor



Wireless Door Contact Sensor

The Modules

The Driver serves as the foundation and power supply for the MCS system. It is available in four power levels. The modules are connected to the Driver via the MCS plug-in system.

Distribution Module



Get started right away. With the distribution module, LED lights can be operated directly without any additional control components. The lighting is controlled by turning the power supply on and off. Depending on the model, 6 or 12 LED outputs are integrated. Dimming or Tunable White are not possible with this module.

Wireless Sensor Module



The all-rounder. The module features 4 sensor slots, each of which is directly assigned to an LED output.

Alternatively or in addition, up to 5 wireless sensors can be programmed to each LED output. Furthermore, all 4 LED outputs can be controlled with a remote control, and the light color can be preset to one of 8 levels using the integrated button on the module.


wired sensor


Wireless Sensor


Remote Control

Smart Module



The connection to the smart home ecosystem. Using the Matter protocol, pairing is incredibly easy, and depending on the model, it offers 1 or 6 channels that can be controlled via app or voice command, including dimming levels and color temperature. Optionally, the remote control can be programmed, providing additional flexibility. Furthermore, the light color can be preset to one of eight levels using the integrated button on the module.

matter


Smart Home App


Remote Control

Smart Combinations

The modular design of the MCS allows for many different combinations. Depending on your needs, multiple modules can be connected in series to the driver and operated in parallel.

For example, the wireless sensor module and door contact sensors can be used to control the lighting in the kitchen cabinets, while the ambient lighting is controlled simultaneously via the Smart Module and voice commands.

Alternatively, multiple wireless sensor modules can be connected in series to control up to 8 channels separately via sensors.

It is also possible to combine multiple distribution modules to operate up to 24 LED outputs.

Every configuration is different. With the Modular Control System, you can set up many scenarios without lengthy programming processes and without having to navigate a confusing array of settings.

The smartest way to light!

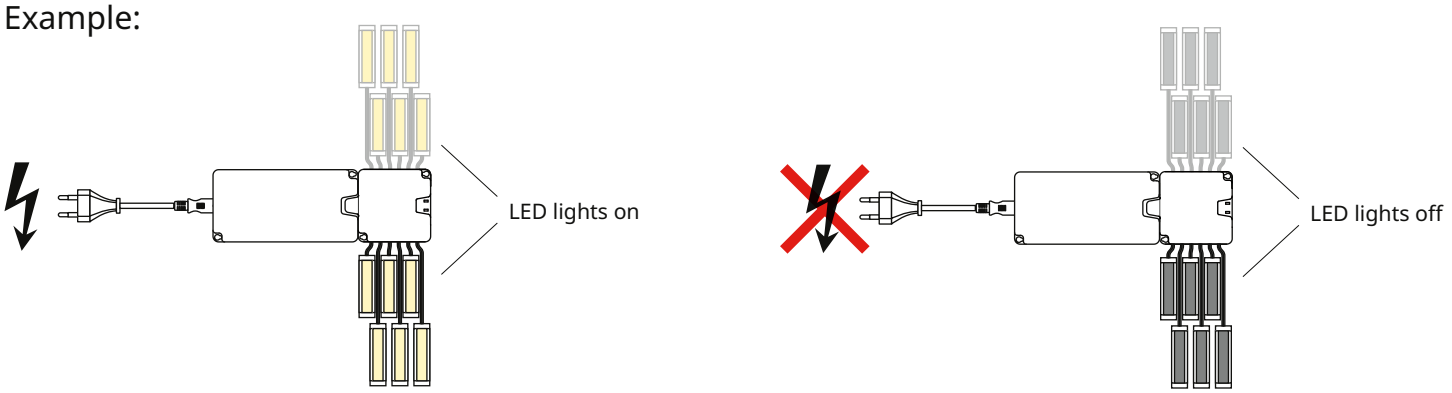


Please note: Some combinations are not practical and are therefore not recommended, for example: Distribution Module + Smart Module or Distribution Module + Wireless Sensor Module. The lights connected to the Distribution Module are always on when power is supplied. When disconnected from the power grid, the entire system is off. In contrast, the Smart Module or Wireless Sensor Module control the lights via sensors, remote control, or app. For this to work, the power supply must always be connected.

Module Details

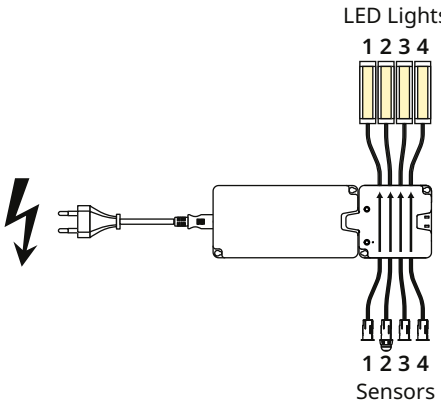
Distribution Module

The LED lights are connected to the distribution module. They are powered via the power supply. Example:



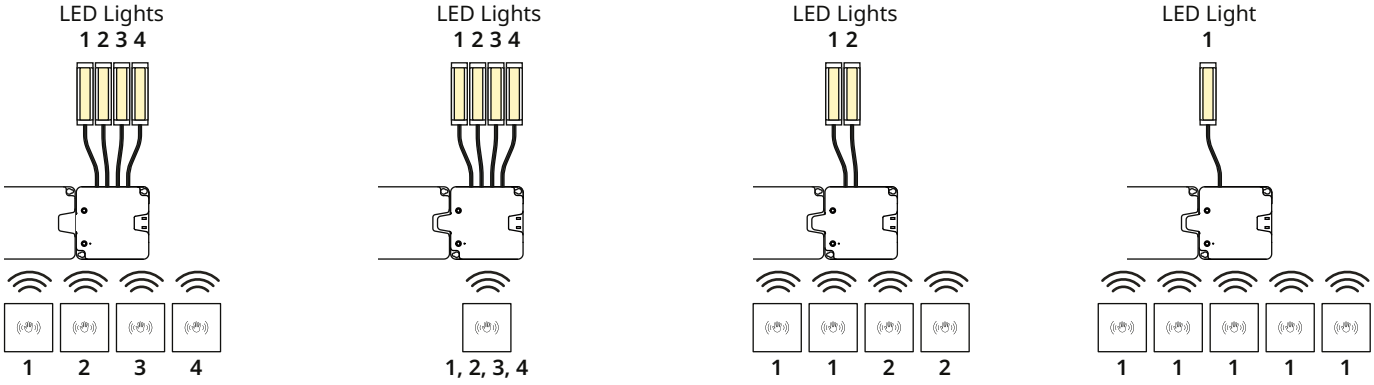
Wireless Sensor Module + Wired Sensors

The sensor inputs are directly connected to the corresponding LED output. Each wired sensor controls only one LED output. Example:



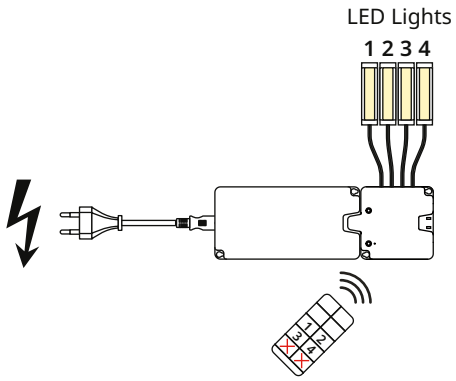
Wireless Sensor Module + Wireless Sensors

Wireless sensors can be paired with any LED output. If necessary, a single sensor can be paired with multiple LED outputs, or multiple sensors can be paired with a single LED output. Example:

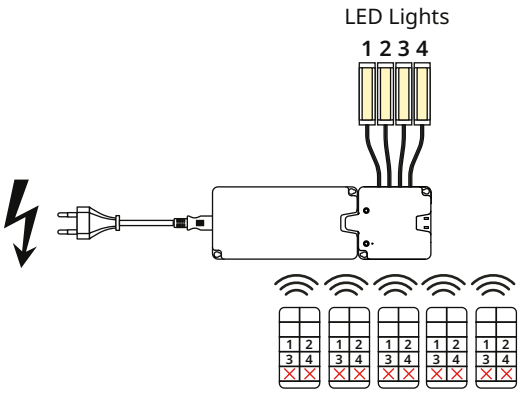


Wireless Sensor Module + Remote Control

The remote control is programmed to the module. Up to 5 remote controls can be connected if needed. Example:



Remote Control, Channels 1–4



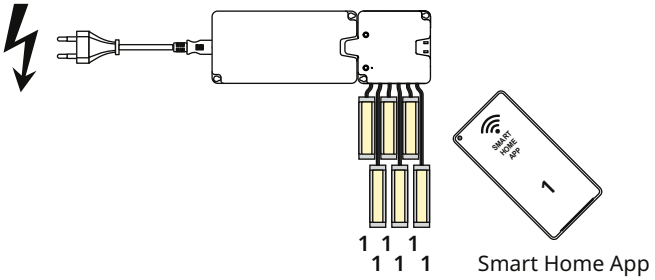
Remote Control, Channels 1–4 (max. 5)

Attention!
Wired sensors, wireless sensors, and remote controls can all be used simultaneously with the wireless sensor module.

Smart Module + Smart Home App

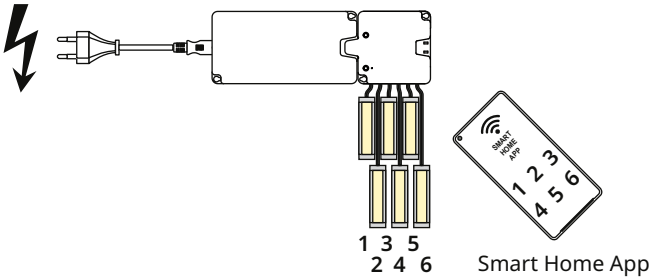
The existing Smart Home app that supports the Matter standard connects to the Smart Module. Example:

1-Channel Module:



Smart Home App

6-Channel Module:

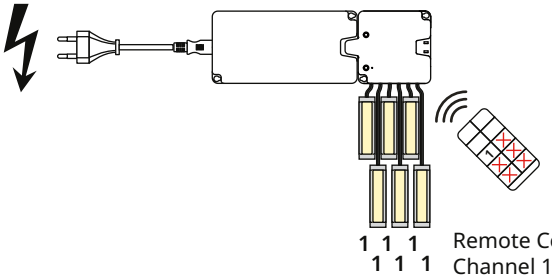


Smart Home App

Smart Module + Remote Control

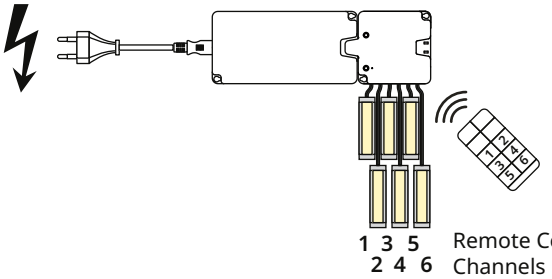
The remote control is programmed to the module. Up to 5 remote controls can be connected if needed. Example:

1-Channel Module:



Remote Control, Channel 1 (max. 5)

6-Channel Module:

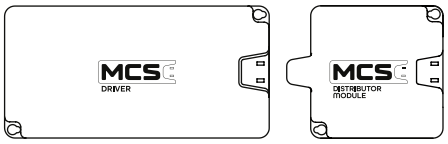


Remote Control, Channels 1–6 (max. 5)

Attention!
The app and remote controls can be used simultaneously with the Smart Module.

Module Configurations (Examples)

Driver + Distribution Module



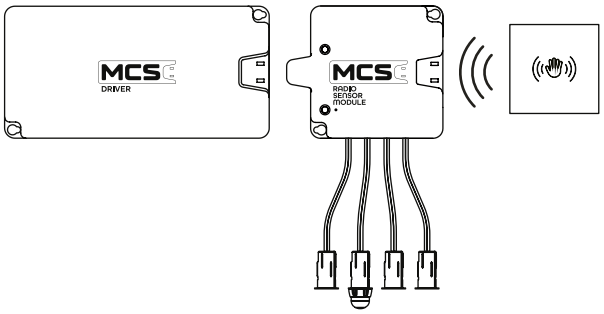
Simple lighting control via a switchable outlet

6 or 12 LED outputs

Functions:

On/Off

Driver + Wireless Sensor Module + Sensors

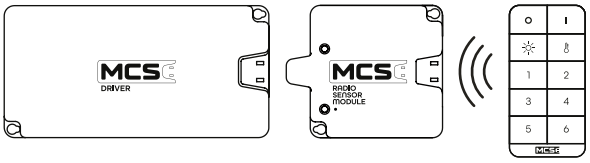


Simple Lighting Control via Sensors

Functions:

On/Off
Dimming (depending on the sensor)

Driver + Wireless Sensor Module + Remote Control

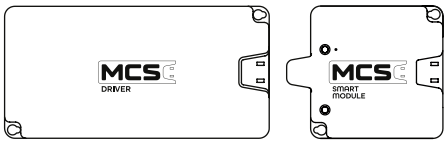


Lighting control via remote control

Functions:

On/Off (4 channels)
Dimming
Color temperature

Driver + Smart Module

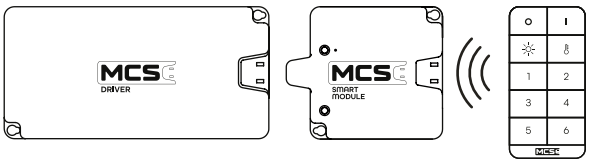


Lighting Control via Smart Home App

Functions:

On/Off (1 or 6 channels)
Dimming
Color temperature

Driver + Smart Module + Remote Control

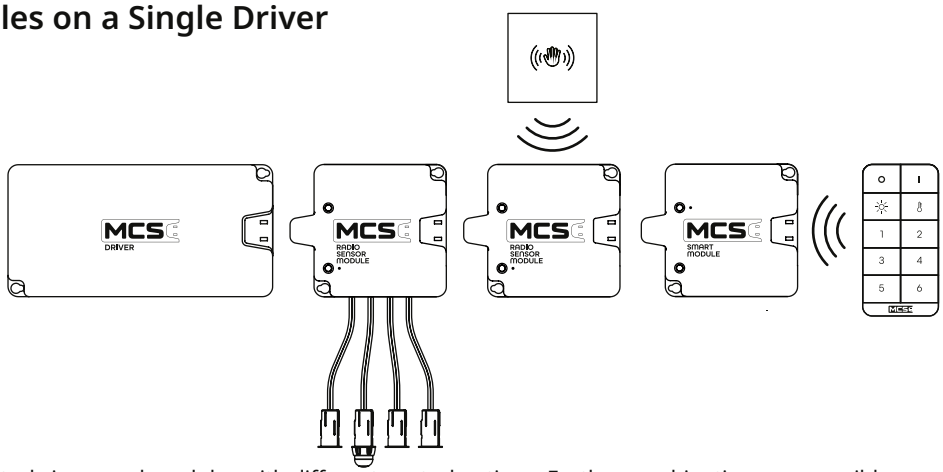


Lighting control via app and/or remote control

Functions:

On/Off (6 channels)
Dimming
Color temperature

Multiple Modules on a Single Driver



Combined lighting control via several modules with different control options. Further combinations are possible.

THE SMARTEST WAY TO LIGHT



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