INDIVIDUAL LIGHTING
MOOD AND COLOUR
TEMPERATURE
CONTROL

LED Controller – RGBW

HmIP-RGBW

The Homematic LED Controller can be used in a variety of ways in the smart home. Up to four channels allow LED strips to be individually controlled, creating the desired lighting mood. Brightness, colour and time schedules are set up individually via the Homematic IP app for convenient switching.

homematic IP
Smart living. Simply exciting.

CONVENIENT & FLEXIBLE CONTROL

The LED Controller is easy to use via the Homematic IP App. For example, switch-on times of the LED strips can be conveniently set up via time schedules.

Different dimming times can also be set to control the brightness of the connected LED strips depending on the time of day.

INDIVIDUAL LIGHTING AND COLOUR MOODS

Besides the dimming times, the light temperature (tunable white) and colour moods (RGB, RGBW) can also be defined.

HCL (human centric lightning) mode adapts the light to the natural daylight pattern. This means that the light changes from reddish to bluish during the day, and back again in the evening. The artificial replication of the daylight pattern supports the human biorhythm so that productivity is increased during the day and relaxation is stimulated in the evening.

The Dim2Warm operating mode simulates the dimming behaviour of a traditional incandescent lamp. The darker the luminaire is set, the warmer the light. The brighter the luminaire is set, the colder the light.

VERSATILE OPERATION

The LED Controller can be easily controlled by remote control, voice control or via the Homematic IP App.

EASY TO INSTALL

The robust housing allows the Homematic IP LED Controller to be mounted on a wall or in a suspended ceiling. A power supply unit suitable for the LED strips used must be purchased separately.

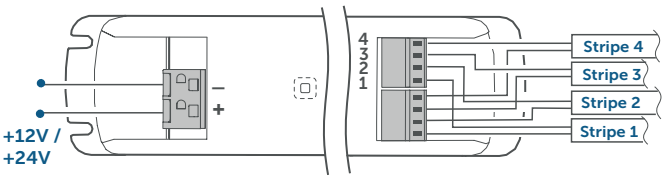
Operation requires connection to one of the following solutions:

- Homematic IP access point with free smartphone app and free cloud service
- Third-party supplier partner solutions

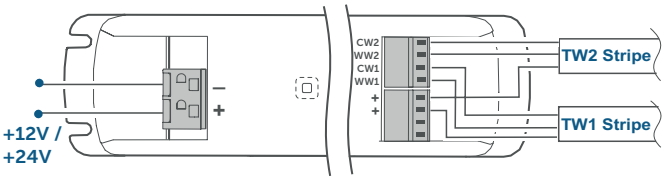
FOUR DIFFERENT OPERATING MODES

The Homematic IP LED Controller offers four different connection options:

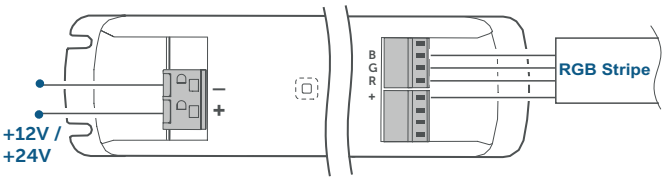
Monocolour LED strip connection



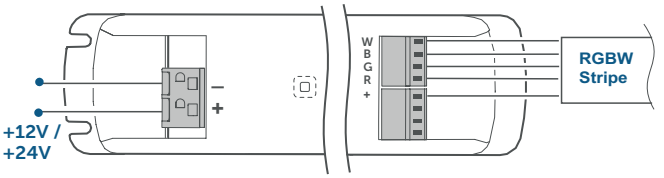
Tunable white connection



RGB strip connection



RGBW strip connection



TECHNICAL SPECIFICATIONS

Supply voltage	12 - 24 VDC
Current consumption	8.5 A (max. 2.1 A per channel)
PWM base frequency	1 kHz
Power consumption in standby	60 mW @ 24 V
Cable cross section	
Input terminals	0.5-2.5 mm²
Output terminals	0.2-1.5 mm²
Degree of protection	IP20
Ambient temperature	5 to 40 °C
Dimensions (W x H x D)	170 x 40 x 26 mm
Weight	79 g
Radio frequency band	868.0-868.60 MHz 869.4-869.65 MHz
Typical range in open space	260 m

LOGISTICS DATA

Product reference	157662A0
EAN code	4047976576623
Short description	HmIP-RGBW
Packing unit	72
Packing dimensions	184 x 92 x 48 mm
Weight incl. packaging	190,2 g

PACKAGE CONTENTS

Homematic IP LED Controller – RGBW
Operating manual