

Description

Slave Module - RGB

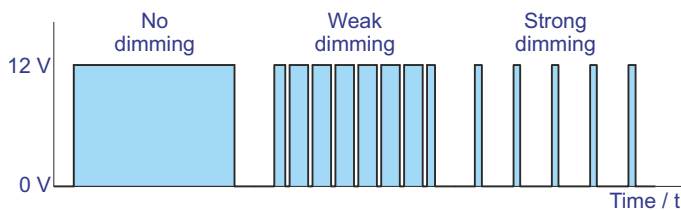
Order no. 6 0120 230

The slave module is the technical link between a digital control system and LED circuit boards. The control system generates a specific signal sequence which is converted into light signals by the LED circuit boards. The slave module connected in between converts the digital signals from the control system into PWM-modulated voltages which can be used to dim the LED circuit boards.



IP 54

PWM = pulse-width modulation



PWM with different dimming intensities

The above diagram shows the output voltage on one of the three outputs of the slave module. The modulation is achieved with a high frequency so that the change will appear to the human eye as dimming and not as flickering.

The slave module has three outputs (for the three RGB colours). With a maximum output of 3 A per channel this results in a total output power of 108 W. The outputs are not equipped with a current limitation i.e. suitable overcurrent protection must be provided by the customer.

If higher-rated circuit boards are to be used, two or more (max. 45) slave modules can be connected to a common control system.

Slave module with the housing lid removed

Technical specifications:

Length x width x height: 76 x 76 x 43 mm
Degree of protection: IP54

Supply voltage: 12 V / 24 V DC
No. of output channels: 3
Max. output current per channel: 3 A
Max. output power per channel: 36 W / 72 W
Max. output power (total): 108 W / 216 W

Data protocol: LED protocol (by Toni Maroni)
Max no. of slave modules per controller: 80
Max. length of data line
(controller to slave module): 20 m

Slave module RGB

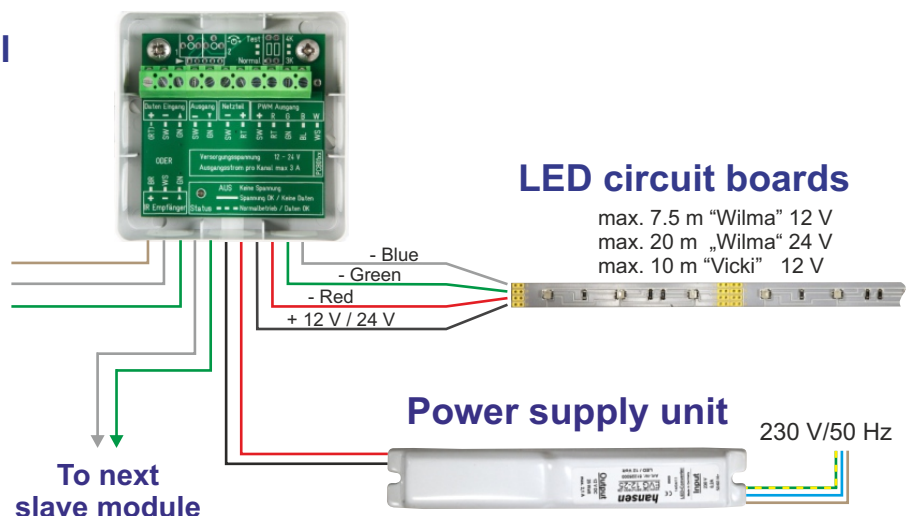
IR Remote Control RGB

Order-No. 6 0122 220



LED circuit boards

max. 7.5 m "Wilma" 12 V
max. 20 m „Wilma“ 24 V
max. 10 m "Vicki" 12 V



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