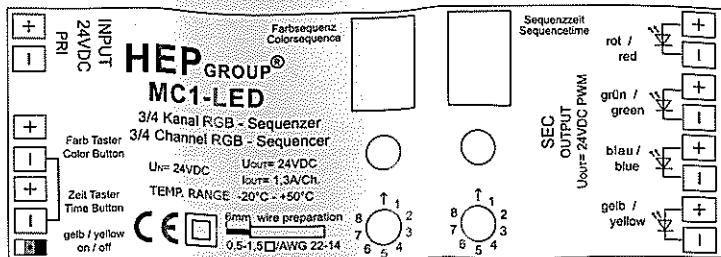


Instruction Manual

MC1 -LED



Technical Data:

Rated voltage: 24VDC
Output: 3/4 channels @ $U_{out} = 24V DC$ $I_{out} = 1,3A DC$
Dimensions: L 180 x W 46 x H 19mm
Housing: Plastic case
Terminals: 0,5-1,5mm²
Protection class: II
Ambient temperature: max. 50°C

Operation:

A long stroke on the push-button Color Sequence (>1 sec.) will switch the device into the next higher sequence mode (1-8 see table). A long stroke on the push-button Sequence Time (>1 sec.) will increase the sequence time by 1 step (1-8 see table).

A short stroke on the push-button Color Sequence (<1 sec.) will stop the color sequence (the display shows "PP") and by pushing the push-button Sequence Time the color sequence is restarted.

By connecting external push-buttons, the device can also be operated from outside the luminaire. By means of the two built-in rotary switches a color sequence and a sequence time can be programmed. They cannot be changed by pushing the buttons.

By means of the jumper the device can be switched to 3 channels (R/G/B, jumper not set) or to 4 channels (R/G/B/W, jumper set). If the jumper is being set or removed, the device will have to be disconnected from the mains once so that the setting can become effective.

The device has an internal memory which will save the values that were set last (color sequence, time sequence). After disconnecting the device from the mains or after a power failure these are automatically reset.

If the display shows "EE", one or several outputs are short-circuited. After the short circuit has been remedied the device will restart automatically.

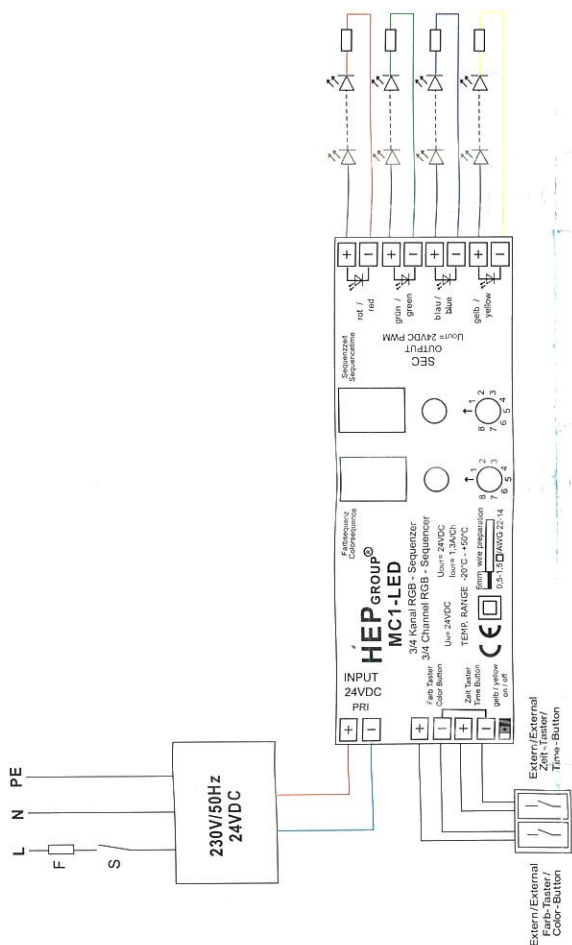
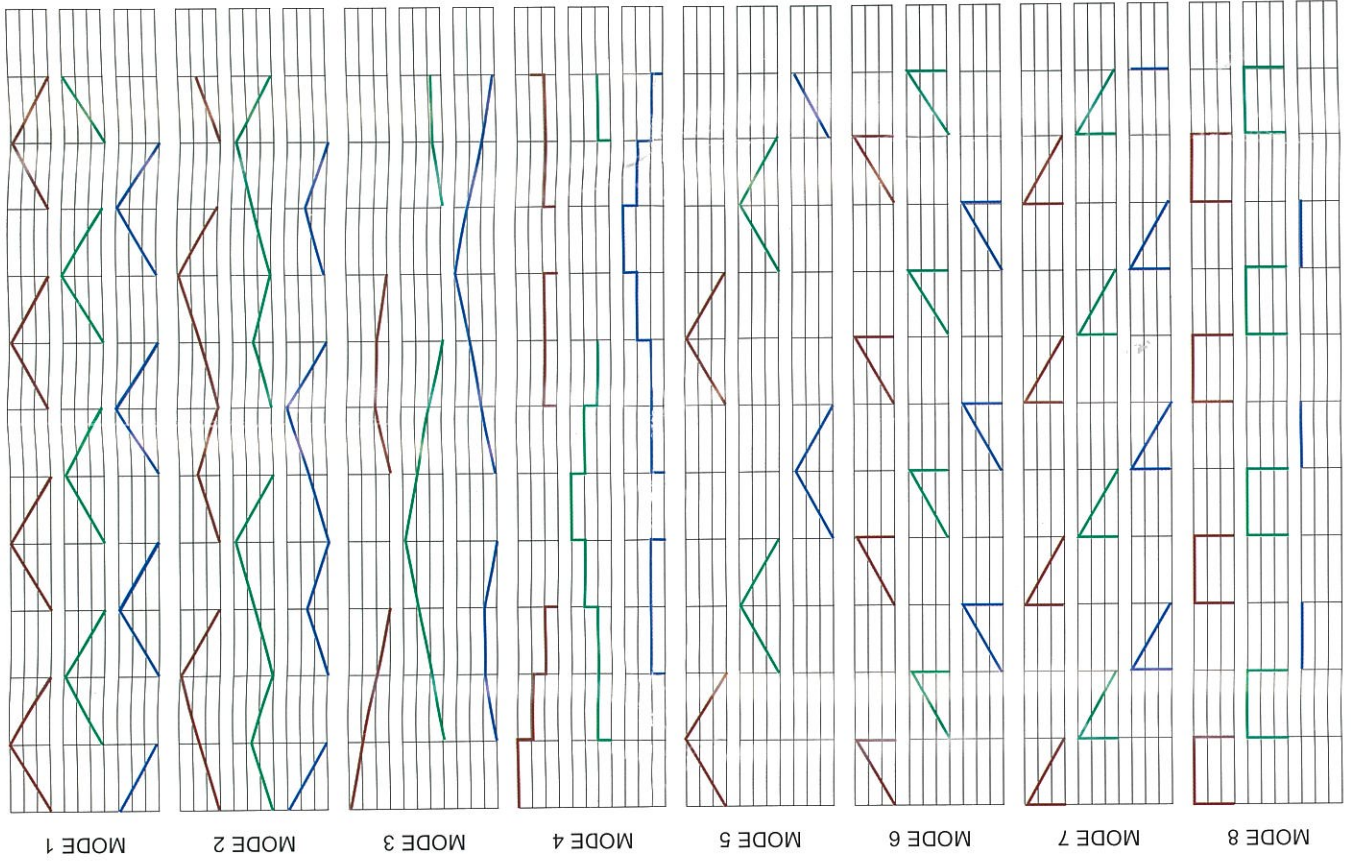
Safety instructions:

Damage caused by the failure to observe this instruction manual shall void all warranty claims! We are not liable for consequential damage! We will not take on liability for material damage or personal injuries caused by improper handling or failure to observe the safety instructions! In such cases any warranty claim shall be void! A different use than described here will damage the product and is also dangerous. The safety instructions have to be observed without fail! For reasons of safety and approval it is not permitted to arbitrarily reconstruct and/or change the product! Mounting may only be carried out by an electrical specialist who knows the necessary regulations with regard to electrical safety (VDE)! Install primary and secondary mains intersection-free. Devices mounted outside of luminaires are to be fastened properly and careful attention is to be paid to the primary and secondary cables being fastened securely in their strain relief. For your own safety, do not expose the device to high temperatures, humidity or wetness! The operation is only permitted indoors! Otherwise there will be the danger of a very serious electric shock! In businesses, the accident prevention regulations for electrical installations and production equipment of the industrial Accident Prevention & Insurance Associations are to be observed!

Avoid any type of mechanical strain!

When removing covers or parts, voltage-carrying parts can be exposed. Connectors also can be voltage-carrying. Maintenance or repairing is not necessary. If we have to assume that it is no longer possible to operate the product safely, it will have to be put out of operation and to be secured against unintended use!

Color Sequence MC1-LED 3 channels

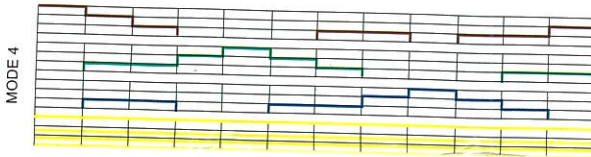
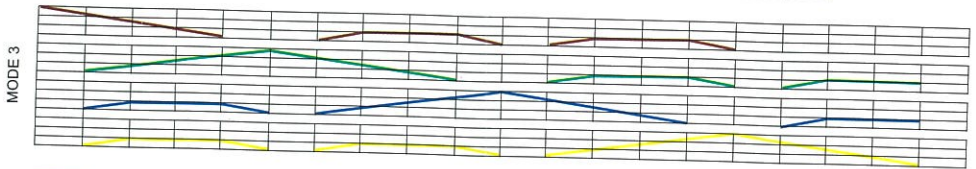
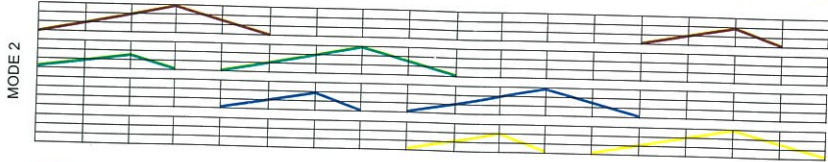
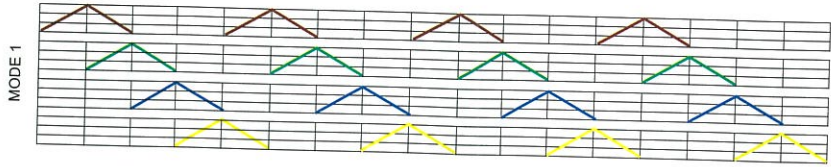


Circuit Diagram

Color Sequences / Sequence Times

Display Sequence time	Sequence time approx. sec.
1	2
2	4
3	8
4	16
5	32
6	64
7	128
8	256

Color Sequence MC1-LED 4 channels



Ch 4 (white)	Durchlauf
0 %	1
25 %	2
50 %	3
100 %	4
0 %	5
25 %	6
...	...

