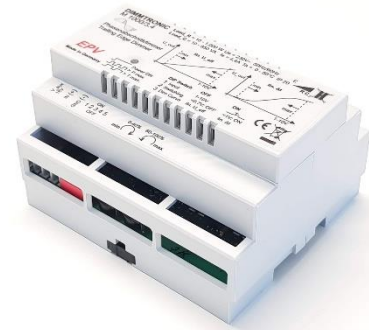


1000W Trailing-Edge Dimmer for manual dimming or 0-10V / 1-10V dimming.

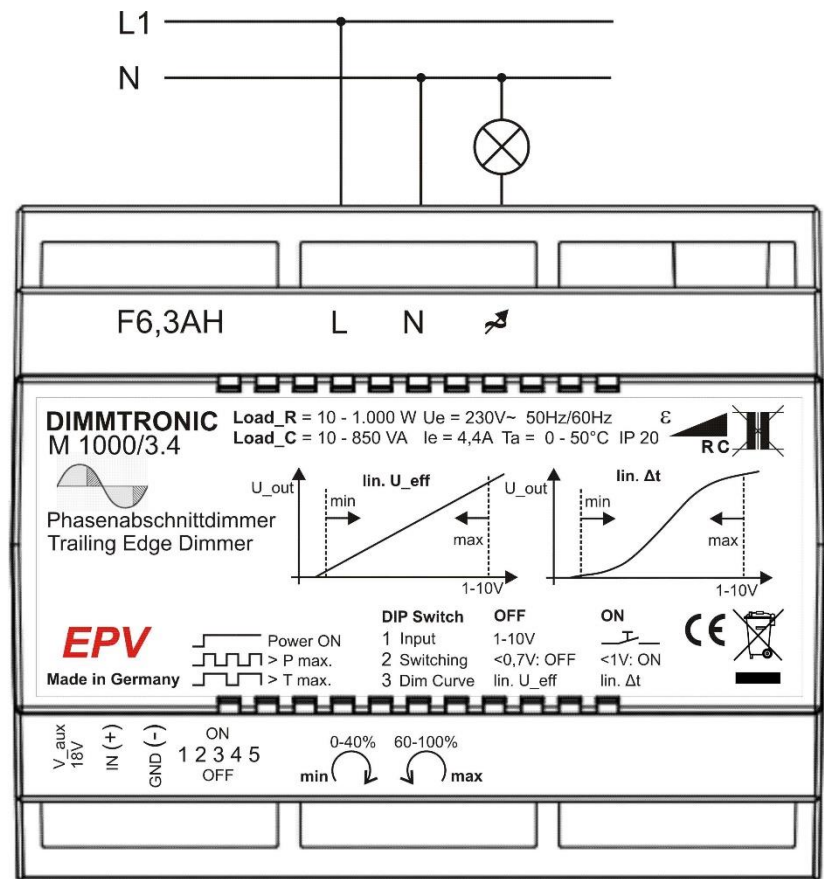
DIMMTRONIC M1000 3.4



Through 2 dimming curves and adjustable min/max values, the dimming behaviour can now be fine-tuned easily to various project requirements. In addition, the actual dimming is now even smoother than before.

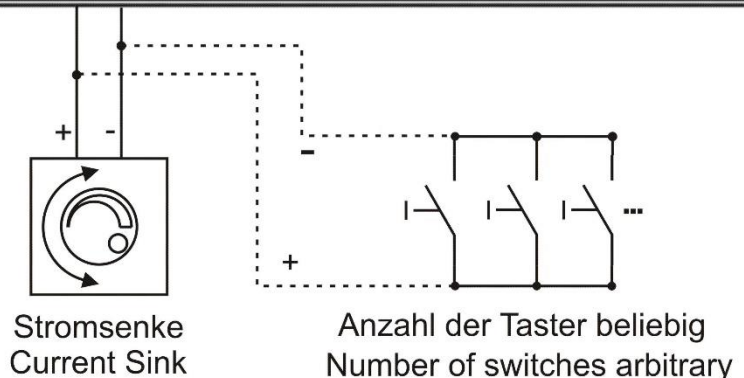
Technical data

- **Resistive loads: max. 1000 Watt, min. 10 Watt**
- **Capacitive loads: max. 850 VA, min. 10 VA**
- **Operating ambient temperature: 0 – 50°C**
- **Power supply: 230V / 50 Hz**
- **Max inrush current: 50A soft start**
- **Fuse: F6.3 AH**
- **IP Rating: IP20**
- **1-10V sink current: max 0.5mA**



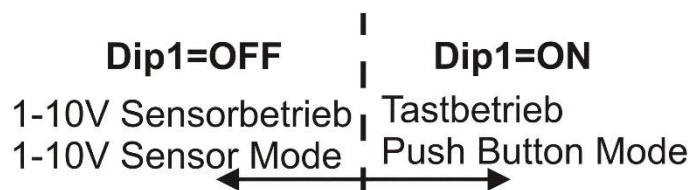
Pushbutton mode:

- Pressing briefly = on / off.
- Keep push-button pressed down = up and down dimming, each up to a maximum or minimum
- no automatic traversing of the extreme values, so that the limits can be cleanly achieved



1-10V and 0-10V input signal mode:

- Control via 1-10V or 0-10V signal.



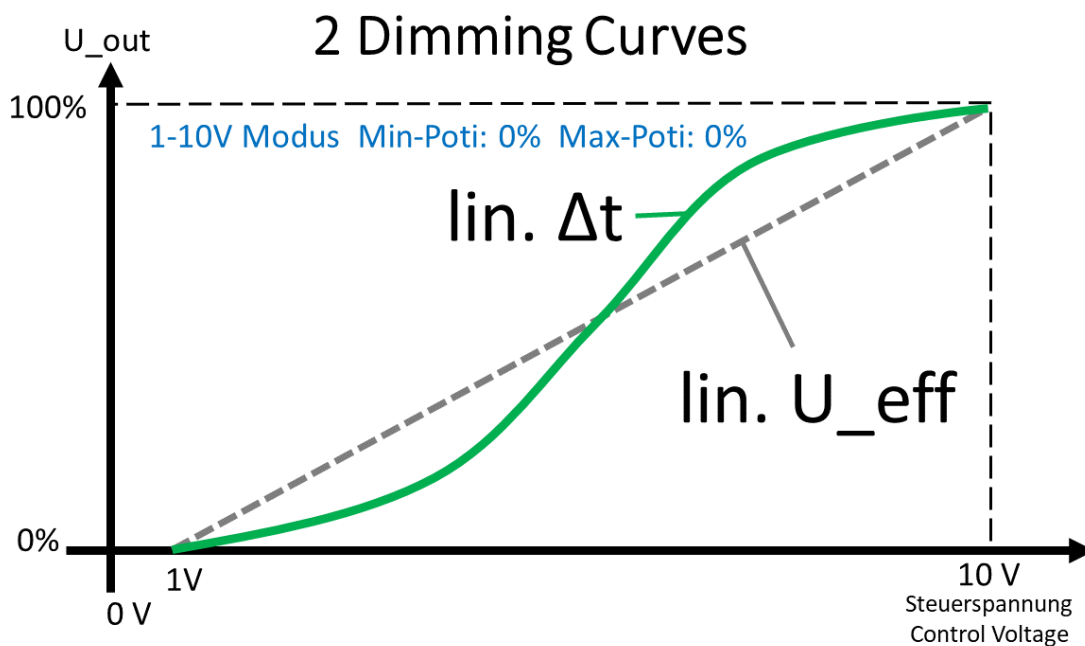
- 10 V = set maximum output (see below) .
- 1 V = set minimum (see below)
- < 0.7V: Optional switch-off (if activated)

2 selectable dimming curves for best performance in your projects

In order to achieve best results with a wide range of lights and lamps the M1000 3.4 dimmer offers you a choice between two dimming curves:

- Output voltage U_{eff} **linear**
- Output voltage U_{eff} **proportional to dim angle (off-time)**

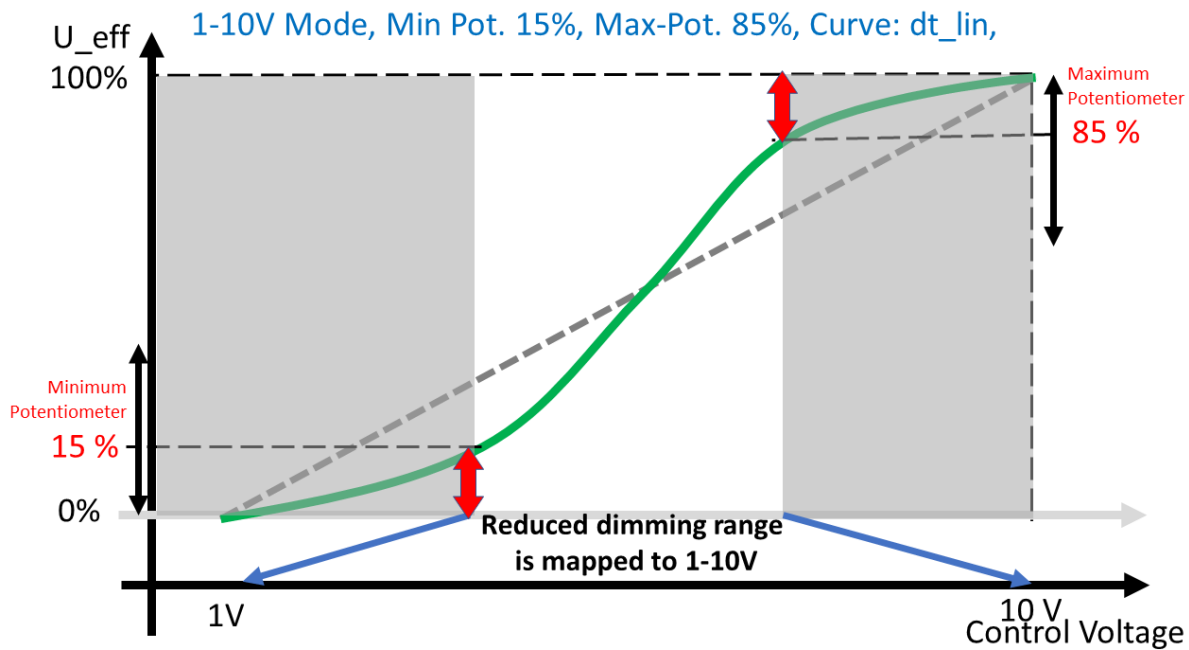
With a dip-switch you can switch between the two curves.



Minimum and Maximum can be set independently

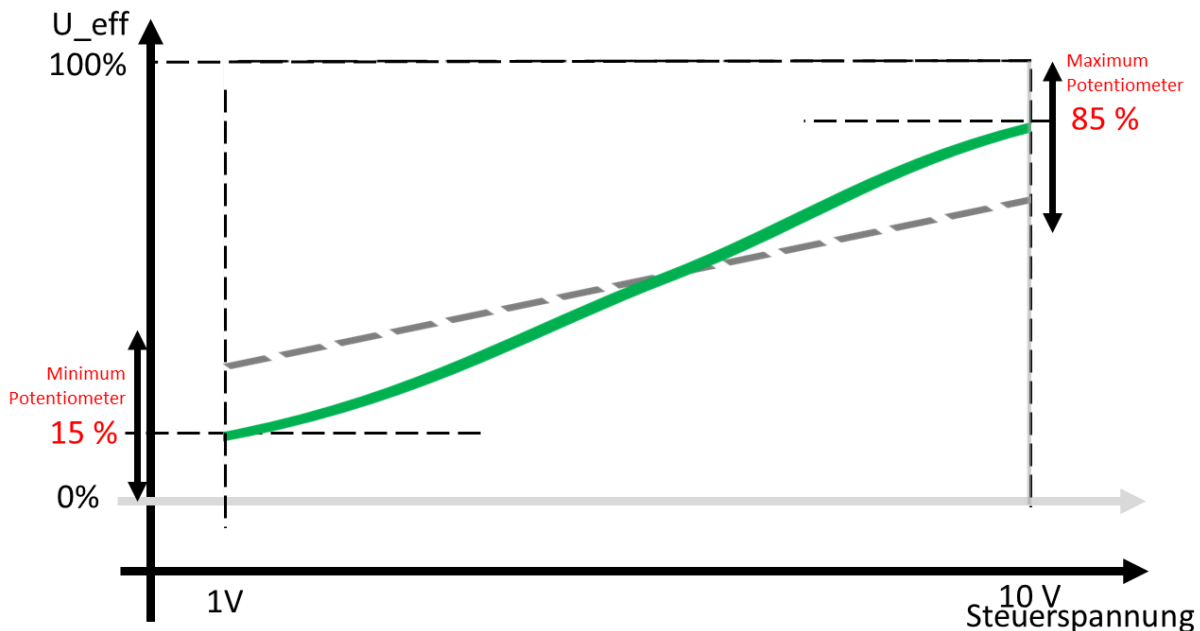
- Minimum is adjustable between 0% and 40%
- Maximum is adjustable between 60% and 100%

Special feature:

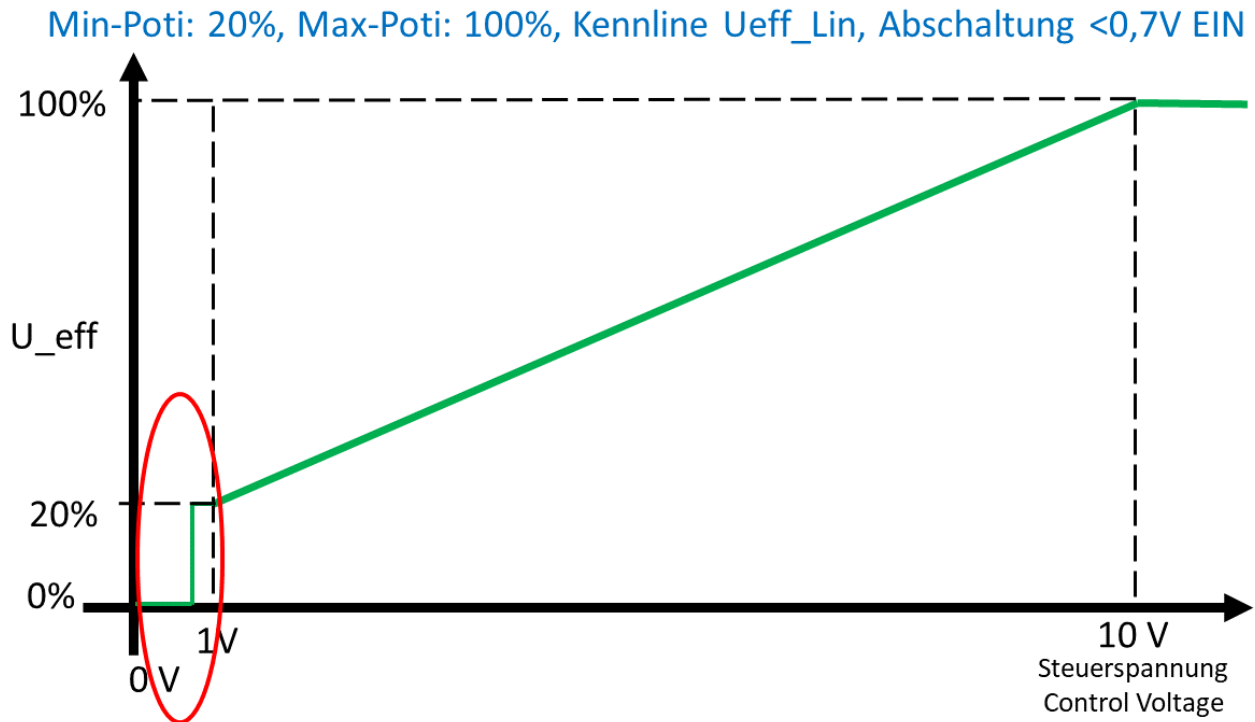


The remaining part of the original dimming curve will automatically be mapped to the full 1-10V control voltage range. This always gives the user the full dimming range without any dead margins.

The new dimming curve after limiting the dimming range in this example looks like this (green curve is active):



Optional: Switching-off the load through 1-10V signal



If this function is activated through the dip switch, the **dimmer switches off the connected load when the control voltage is reduced below 0,7V.**

18V DC AUX supply voltage

- for direkt integration of EPV occupancy sensors or other sensors
- For example you can connect EPV ecos occupancy sensors PM 24V/5K in master/slave configuration directly to the dimmer. This is a simple solution for implementing occupancy based up and down dimming of hotel or hospital corridor lighting.

Width

- 6 units (105mm)

Further benefits

- Softstart function to prolong lamp life
- integrated thermal overload protection
- During manufacturing, all dimmers have to pass individual testing and fulfill SELV criteria through galvanics 4kV separation (usual values are only 2.5 kV separation).
- **Low loss operation.** Even in maximum load operation the power loss is below 9W.
- **Connector terminals for quick and flexible wiring.** DIMMTRONIC terminals cover the full range of cabling sizes: from 2 x 2.5mm² (or 1 x 4.0 mm²) down to fine 0.5 mm² cables. This ensures quick installation and guarantees long-term connection stability.
- Made in Germany