

# Electronic Ballast for Halogen Lamps up to 12 V / 100 W, Voltage or Current adjustable

## ebh 102 - Series

This low-ripple power supply is especially suited for sophisticated halogen lighting, e.g. for image processing applications. The optimal ramp-up characteristics reduce stress on the lamp and extend lamp life. For U/I adjustment, a very sensitive, secured against changing 10-gear potentiometer is used. A display either to show the output voltage or the current of the device. The "remote" device version also allows the device to be configured externally via an interface. A resettable service hour meter permits control of lamp service life.



ebh 102 -r

Lighting

## Features

- long-range power input with sinusoidal current consumption
- voltage or current adjustable with low ripple
- optimum ramp-up characteristics
- interface for external configuration
- compact desktop housing
- RoHS - compliant
- CE - compliant

## Applications

- Industrial image processing
- Industrial use
- Measuring systems

Safety as per EN 61010-1	
Equipment class	I
Protection class	IP 20 (EN 60529)
Output	short-circuit resistance
Excess temperature protection	yes
EMC	
Interference	EN 61326 (class B)
Immunity	EN 61326 appendix A
Voltage fluctuations, flicker	EN 61000-3-3
Harmonic current emissions	EN 61000-3-2
Environmental conditions	
Ambient temperature	0 °C up to 40 °C
Storage temperature	- 20 °C up to + 85 °C

HB0/XBO

Light sources

Flashlights

UV-Equipment

Other

Model	desktop device
Dimensions (HxWxD)	115 x 170 x 290 mm
Weight	2,8 kg
Lamp connection	flange socket 3+PE type Binder 693
Remote interface connector	socket M8 4-pol according to IEC 61076-2-101 / IEC 60947-5-2
<b>Conformity</b>	<b>CE, RoHS</b>
<b>Approvals</b>	<b>UL/CSA (on request)</b>

Subject to errors and alterations with regard to technological progress.

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Ballast	ebh 102	ebh 102 - current	ebh 102 -r
<b>Input parameters</b>			
Mains voltage	100 up to 240 VAC $\pm$ 10% 50 up to 60 Hz		
Efficiency factor	> 0,7		
Power input	max. 150 VA		
<b>Output parameters</b>			
Output adjustable (manual)	voltage 1 up to 12,1 VDC output current max. 10 A	current 1,0 up to 9,0 A ( $\pm$ 0,1A) output voltage max. 12,5 VDC	voltage 1 up to 12,1 VDC output current max. 10 A
Output as well remote-controlled			remote - interface level of control voltage 0 up to +10 VDC
Ripple	output voltage - ripple < 1 % RMS	output current - ripple < 1 % RMS	output current - ripple < 1 % RMS

### Order

Scope of delivery	device with mains cable and manual
Order example	ebh 102 (voltage adjustable) ebh 102-current (current adjustable) ebh 102-r (Remote; extern voltage adjustable)

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