

## KLEMKO EPV DIMMERS GENERAL

- \* Complete range of integral dimmers, ohmic to inductive
- \* Professional and high quality
- \* Adapter for 4 to 6mm shaft for Busch cover frames
- \* Change-over output contact or make contact
- \* Universal installation plate
- \* Press on/off or turn on/off
- \* Suitable for many makes of cover frame and knob
- \* Metal rotary shaft 4mm
- \* Fitted with thermal protection/glass fuse
- \* Push on/off or turn on/off
- \* Kema Test
- \* Min. or max. setting for light level via potentiometer

When selecting the type of dimmer required, take into account the load type and power which the dimmer must control. Often the type is selected by price. In many cases a better dimmer is recommended for technical reasons. One example. For trailing-edge, a transistor is used so this detects an overload or short-circuit. These dimmers react by switching off the power if too high a current is measured. When the fault has been repaired, it should resume its task without further action. For halogen lighting for outdoor use, trailing-edge considerably extends the useful life as the "cold current" is removed by starting the dimmers from the neutral connection.

### List of terms

**Leading-edge:** inductive dimmer for wire-wound transformers. The voltage is blocked first and then, depending on setting, restarted later in the sine-wave period.





**Trailing-edge:** capacitive dimmer for electronic transformers. The voltage is regulated directly from the neutral and cut later in the phase.






**Ohmic dimmer:** dimmer for purely ohmic loads such as incandescent bulbs and high voltage halogen lamps. Like a leading-edge, the dimming picture is not suitable for wound transformers. Suitable for special electronic transformers which are used for leading-edge.

**Temperature:** The dimmers are temperature-sensitive. The output power of the various dimmers is based on installation in a flush-mount wall socket in a masonry wall. Also with fitting of one unit only, and not several vertically in one column with other dimmers. If these circumstances change, the power must be multiplied by a factor of 0.8.


## LEADING-EDGE INTEGRAL DIMMERS

	Item no.	Klemko number	Specifications
	<b>891010</b>	<b>D-R-300DR</b>	<b>240Vac</b>
	<b>891015</b>	<b>D-R-300DR/K</b>	(with assembly claw) Applicable load : incandescent bulbs : high voltage halogen lamps : electronic transformers suitable for leading-edge Connection voltage : 230Vac +6% - 10% 50/60Hz Power : 60 - 300W On/off : rotary knob Minimum light intensity : not applicable Contacts : plug-in 2.5mm <sup>2</sup> Shaft : Ø 4mm, plastic
	<b>891020</b>	<b>D-R-400DR</b>	<b>240Vac</b>
	<b>891025</b>	<b>D-R-400DR/K</b>	(with assembly claw) Applicable load : incandescent bulbs : high voltage halogen lamps : electronic transformers suitable for leading-edge Connection voltage : 230Vac +6% - 10% 50/60Hz Power : 60 - 400W On/off : push button Output : change-over contacts Minimum light intensity : adjustable Contacts : plug-in 2.5mm <sup>2</sup> Shaft : Ø 4mm, metal


## LEADING-EDGE INTEGRAL DIMMERS

	Item no. Klemko number	Specifications																						
	<p><b>891030 D-R-600</b> <b>891035 D-R-600/K</b></p> <p>The Dohm 600 is a pushbutton on/off dimmer with a switching capacity of 60/600W, suitable for leading-edge, ohmic load. Change-over switch with a 4mm metal rotary shaft. Protected via a glass fuse.</p>	<p style="text-align: right;"><b>240Vac</b></p> <p>(with assembly claw)</p> <table border="0"> <tr> <td>Applicable load</td> <td>: incandescent bulbs high voltage halogen lamps electronic transformers suitable for leading-edge</td> </tr> <tr> <td>Connection voltage</td> <td>: 230Vac +6% - 10% 50/60Hz</td> </tr> <tr> <td>Power</td> <td>: 60 - 600W</td> </tr> <tr> <td>On/off</td> <td>: push button</td> </tr> <tr> <td>Output</td> <td>: change-over contacts</td> </tr> <tr> <td>Minimum light intensity</td> <td>: adjustable</td> </tr> <tr> <td>Contacts</td> <td>: plug-in 2.5mm<sup>2</sup></td> </tr> <tr> <td>Fuse</td> <td>: glass fuse</td> </tr> <tr> <td>Shaft</td> <td>: Ø 4mm, metal</td> </tr> </table>	Applicable load	: incandescent bulbs high voltage halogen lamps electronic transformers suitable for leading-edge	Connection voltage	: 230Vac +6% - 10% 50/60Hz	Power	: 60 - 600W	On/off	: push button	Output	: change-over contacts	Minimum light intensity	: adjustable	Contacts	: plug-in 2.5mm <sup>2</sup>	Fuse	: glass fuse	Shaft	: Ø 4mm, metal				
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Output	: change-over contacts																							
Minimum light intensity	: adjustable																							
Contacts	: plug-in 2.5mm <sup>2</sup>																							
Fuse	: glass fuse																							
Shaft	: Ø 4mm, metal																							
	<p><b>891050 D-PAN-600</b> <b>891055 D-PAN-600/K</b></p> <p>The PAN-600 is a pushbutton on/off dimmer with a switching capacity of 60/600W Ohms - 25/500 VA, suitable for leading-edge, wound transformers. Change-over switch with a 4mm metal rotary shaft. Protected via a glass fuse.</p>	<p style="text-align: right;"><b>240Vac</b></p> <p>(with assembly claw)</p> <table border="0"> <tr> <td>Applicable load</td> <td>: incandescent bulbs high voltage halogen lamps electronic transformers suitable for leading-edge wound transformers</td> </tr> <tr> <td>Connection voltage</td> <td>: 230Vac +6% - 10% 50/60Hz</td> </tr> <tr> <td>Power</td> <td>: 60 - 600W</td> </tr> <tr> <td>Inductive capacity</td> <td>: 25 - 500VA</td> </tr> <tr> <td>On/off</td> <td>: push button</td> </tr> <tr> <td>Output</td> <td>: change-over contacts</td> </tr> <tr> <td>Minimum light intensity</td> <td>: adjustable</td> </tr> <tr> <td>Contacts</td> <td>: plug-in 2.5mm<sup>2</sup></td> </tr> <tr> <td>Shaft</td> <td>: Ø 4mm, metal</td> </tr> </table>	Applicable load	: incandescent bulbs high voltage halogen lamps electronic transformers suitable for leading-edge wound transformers	Connection voltage	: 230Vac +6% - 10% 50/60Hz	Power	: 60 - 600W	Inductive capacity	: 25 - 500VA	On/off	: push button	Output	: change-over contacts	Minimum light intensity	: adjustable	Contacts	: plug-in 2.5mm <sup>2</sup>	Shaft	: Ø 4mm, metal				
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	<p><b>891060 D-PAN-1000</b> <b>891065 D-PAN-1000/K</b></p> <p>The PAN-1000 is a pushbutton on/off dimmer with a switching capacity of 75/1000W Ohms - 25-800 VA, suitable for leading-edge, wound transformers and is supplied complete with surface-mount housing.</p>	<p style="text-align: right;"><b>240Vac</b></p> <p>(with assembly claw)</p> <table border="0"> <tr> <td>Applicable load</td> <td>: incandescent bulbs high voltage halogen lamps electronic transformers suitable for leading-edge wound transformers</td> </tr> <tr> <td>Connection voltage</td> <td>: 230Vac +6% - 10% 50/60Hz</td> </tr> <tr> <td>Power</td> <td>: 75 - 1000W</td> </tr> <tr> <td>Inductive capacity</td> <td>: 25 - 800VA</td> </tr> <tr> <td>On/off</td> <td>: push button</td> </tr> <tr> <td>Output</td> <td>: change-over contacts</td> </tr> <tr> <td>Minimum light intensity</td> <td>: adjustable</td> </tr> <tr> <td>Contacts</td> <td>: plug-in 2.5mm<sup>2</sup></td> </tr> <tr> <td>Design</td> <td>: semi-flush mount</td> </tr> <tr> <td>Fuse</td> <td>: automatically self-repairing by cooling; supplied inclusive of cover materials and rotary knob.</td> </tr> <tr> <td>Shaft</td> <td>: Ø 4mm, metal</td> </tr> </table>	Applicable load	: incandescent bulbs high voltage halogen lamps electronic transformers suitable for leading-edge wound transformers	Connection voltage	: 230Vac +6% - 10% 50/60Hz	Power	: 75 - 1000W	Inductive capacity	: 25 - 800VA	On/off	: push button	Output	: change-over contacts	Minimum light intensity	: adjustable	Contacts	: plug-in 2.5mm <sup>2</sup>	Design	: semi-flush mount	Fuse	: automatically self-repairing by cooling; supplied inclusive of cover materials and rotary knob.	Shaft	: Ø 4mm, metal
Applicable load	: incandescent bulbs high voltage halogen lamps electronic transformers suitable for leading-edge wound transformers																							
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Shaft	: Ø 4mm, metal																							


## TRAILING-EDGE INTEGRAL DIMMERS

Item no.	Klemko number	Specifications
	<b>891040 D-PAF-315</b> <b>891045 D-PAF-315/K</b>	<p style="text-align: right;"><b>240Vac</b></p> <p>(with assembly claw)</p> <p>Applicable load : incandescent bulbs high voltage halogen lamps electronic transformers suitable for trailing-edge</p> <p>Connection voltage : 230Vac +6% - 10% 50/60Hz</p> <p>Power : 20 - 315W</p> <p>On/off : push button</p> <p>Output : change-over contacts</p> <p>Maximum light intensity : adjustable</p> <p>Contacts : plug-in 2.5mm<sup>2</sup></p> <p>Fuse : electronically self-repairing</p> <p>Shaft : Ø 4mm, metal</p>
	<b>891047 D-PAF-525/K</b>	<p>(with assembly claw)</p> <p>Power : 20 - 525W : 60 - 600VA ohms</p>
	<p>The PAF-315 is a pushbutton on/off dimmer with a switching capacity of 20/315W, suitable for trailing-edge, electronic transformer for trailing-edge. Change-over switch with 4mm metal rotary shaft.</p>	
	<p>The PAF-525 is like the PAF-315 but with a switching capacity of 20 / 525W.</p>	

## SPEED REGULATORS

	<b>891070 D-MOT-01-26</b> <b>891075 D-MOT-01-26/K</b>	<p style="text-align: right;"><b>240Vac</b></p> <p>(with assembly claw)</p> <p>Connection voltage : 230Vac +6% - 10% 50/60Hz</p> <p>Power : 60 - 600VA 0.1 - 2.6A</p> <p>On/off : rotary knob</p> <p>Output : make contact</p> <p>Minimum rotation speed : adjustable</p> <p>Contacts : plug-in 2.5mm<sup>2</sup></p> <p>Fuse : glass fuse</p> <p>Shaft : Ø 4mm, metal</p>
	<p>Speed regulator for motors and fans with monophase induction motor. Change-over switch with a 4mm metal rotary shaft. Protected via a glass fuse.</p>	

## LIGHTING CONTROLS 1 - 10V



	<b>871730 POT-MTR-INB</b> <b>871740 POT-MTR-INB/K</b>	<p>(with assembly claw )</p> <p><b>Function 1</b> : press "ON" or "OFF" switch via "make contact"</p> <p><b>Function 2</b> : turn = dim via 1 - 10V control voltage</p> <p>Max. control current : 50mA</p> <p>Mains switch : 6A, max. 6 EVSA's can be switched directly</p> <p>Fuse : T 4 H, 250V</p> <p>Cover frame : many well-known brands (not supplied)</p> <p>Shaft : 4mm, metal</p> <p>Shaft adapter : from 4 - 6mm supplied</p> <p><b>Item no. 871740</b> : Inc. fixing claw</p>
	<p>This electronic potentiometer is intended for dimming electronic chokes (EVSA's) with a 1-10Vdc control input. Flush-mount model. The total EVSA control currents (note information from EVSA manufacturer) may not exceed 50mA. Use EVSA's of the same make, type and value. The same applies to fluorescent lamps.</p> <p><b>!! Warning !!</b> EVSA's have a high connection current. When switching more than 6 EVSA's, a separate relay is required.</p>	




## DIMMTRONIC LIGHTING CONTROLS GENERAL

Dimmtronic "lighting control systems" are used to control high power of up to 1 KVA per module, and can be coupled up to max. 50 KVA. These systems can also be used for intelligent control using scene programming via the slide switch module. Dimming is controlled either by a potentiometer, a current source (1-10V), a daylight-dependent sensor or via a PC with DAC interface. The range consists of 2 designs, leading-edge (inductive) and trailing-edge. The coupling types have a Master/Slave system and are only available in trailing-edge. Installed as standard on a DIN rail.

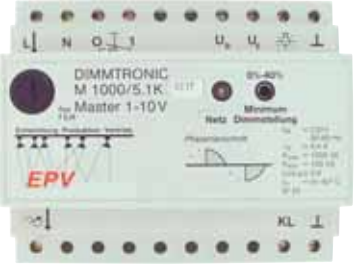
## DIMMTRONIC LIGHTING CONTROLS TRAILING-EDGE

Item no.	Klemko number	Specifications
	<b>879200 DRDPAF-1KW</b>	<b>240Vac</b>
	<p>M1000/3.1 DIN rail dimmer trailing-edge 100/1000VA with light control input 0(1)-10V + switch control</p>	<p>Dimming picture : trailing-edge (capacitive)                      Applicable load : incandescent bulbs                      high voltage halogen lamps                      fluorescent lamps with primary dimmable VSA                      electronic transformers suitable for trailing-edge</p> <p>Connection voltage : 230Vac +/- 10% 50Hz (at 60Hz restricted dimming range)</p> <p>Power : 100 - 1000W Ohmic load                      Halogen : 100 - 950W                      VSA : 100VA - 850VA                      Min. light intensity : adjustable 0 - 40%                      Control input : 0 (1) - 10V 1mA                      Power Ub input : max 10mA                      Cable length -&gt;light : max 100m                      Overload : short-circuit resistant (overload detection)</p> <p>Contacts : screw 2.5mm<sup>2</sup>                      Installation : DIN rail 35mm                      Protection : IP-20</p>
	<b>879210 DRDPAF-1KW/MA</b>	<b>240Vac</b>
	<p>M1000/3.2 DIN rail dimmer trailing-edge 100/1000VA, can be coupled up to 50KVA, with light control input 0(1)-10V + switch control</p>	<p>(master unit)</p> <p>Dimming picture : trailing-edge (capacitive)                      Applicable load : incandescent bulbs                      high voltage halogen lamps                      fluorescent lamps with primary dimmable VSA                      electronic transformers suitable for trailing-edge</p> <p>Connection voltage : 230Vac +/- 10% 50Hz (at 60Hz restricted dimming range)</p> <p>Design : master dimmer                      Number of slave dimmers : max. 50 pcs.                      Power / dimmer : 100 - 1000W Ohmic load                      Halogen : 100 - 950W                      VSA : 100VA - 850VA                      Minimum light intensity : adjustable 0 - 40%                      Control input : 0 (1) - 10V 1mA                      Power Ub input : max 10mA                      Cable length -&gt;light : max 100m                      Overload : short-circuit resistant (overload detection)</p> <p>Contacts : screw 2.5mm<sup>2</sup>                      Installation : DIN rail 35mm                      Protection : IP-20</p>

## DIMMTRONIC LIGHTING CONTROLS TRAILING-EDGE

Item no.	Klemko number	Specifications
	<b>879215 DRDPAF-1KW/SL</b>	(slave unit) <b>240Vac</b>
	<p>S1000/1,1 DIN rail dimmer trailing-edge, slave design for M1000/3,2 879210</p>	<p>Dimming picture : trailing-edge (capacitive)                      Applicable load : incandescent bulbs                      high voltage halogen lamps                      fluorescent lamps with primary dimmable VSA                      electronic transformers suitable for trailing-edge</p> <p>Connection voltage : 230Vac +/- 10% 50Hz (at 60Hz restricted dimming range)</p> <p>Design : slave is coupled to master (879210)                      Power : 100 - 1000W Ohmic load                      Halogen : 100 - 950W                      VSA : 100VA - 850VA                      Min. light intensity : adjustable 0 - 40%                      Control input : 0 (1) - 10V 1mA                      On/off : via Master (879210)                      Power Ub input : max 10mA                      Cable length -&gt;light : max 100m                      Overload : short-circuit resistant (overload detection)</p> <p>Contacts : screw 2.5mm<sup>2</sup>                      Installation : DIN rail 35mm                      Protection : IP-20</p>

## DIMMTRONIC LIGHTING CONTROLS TRAILING-EDGE

	<b>879220 DRDPAN-1KW</b>	<b>240Vac</b>
	<p>M1000/5, 1K DIN rail dimmer leading-edge 100/1000VA with light control input 0(1)-10V + switch control</p>	<p>Dimming picture : leading-edge (inductive)                      Applicable load : incandescent bulbs                      high voltage halogen lamps                      electronic transformers suitable for leading-edge                      wound transformers                      motors (if suitable for leading-edge)</p> <p>Connection voltage : 230Vac +/- 10% 50Hz (at 60Hz restricted dimming range)</p> <p>Power : 100 - 1000W Ohmic load                      High voltage halogen : 100 - 1000W                      Motors : 160 - 1000VA phi &gt;0.6                      Minimum light intensity : adjustable 0 - 40%                      Control input : 0 (1) - 10V 1mA                      Power Ub input : max 10mA                      Cable length -&gt;light : max 100m                      Overload : fuse 6.3A                      Contacts : screw 2.5mm<sup>2</sup>                      Installation : DIN rail 35mm                      Protection : IP-20</p>



	Item no. Klemko number	Specifications
 <p>DIMMTRONIC AM 1 Dia-Tastenmodul</p> <p>EPV</p>	<p><b>879230 DIA-SCHAK</b></p> <p>Control unit for setting 4 lighting scenes. Room darkening and full light are already set. Fitted as extra with a blind control contact to raise and lower screens. These functions are controlled by external pulse switches. A 1-10V input (max. 50mA) can also be controlled via Dimmtronic dimmers or directly to HF EVSA. Extra LED output for control LEDs in panels. Time delay between transition from scene to scene, adjustable from 10 - 30 sec. Installation on DIN rail 35mm.</p>	<p><b>240Vac</b></p>
	<p><b>871790 SENSOR-DIMMTR</b></p> <p>Light sensor for installation in ceilings. Sensor to be coupled to Dimmtronic DIN rail dimmers for daylight-dependent controls. Adjustable in minimum light level from 150 Lux to 2000 Lux, depending on position and quantity of light present in rooms, and adjustable switch-off point.</p>	<p><b>240Vac</b></p> <p>Connection voltage : 12Vdc (from Dimmtronic output)                  Power consumption : max 13mA                  Control voltage : 1-10V                  Lux range : 150 Lux - 2000 Lux                  Temperature : 0°C - 50°C                  Installation dimensions : 45mm                  Connection : 871575 supplied                  Accessories : flush-mount frame 871580                                    surface-mount housing 871585</p>
 	<p><b>871580 MONT-RAAM</b></p> <p>Mounting frame for AWD presence detectors for use on surface-mounting housing (item no. 871585) or on an existing flush-mounted socket.</p> <p><b>871585 OPB-HUIS</b></p> <p>Surface-mounting housing for fitting AWD presence detectors if no flush-mounted socket is available. Not to be used without mounting frame (item no. 871580).</p>	




## DAYLIGHT-DEPENDENT CONTROLS 1-10V

Item no.	Klemko number	Specifications																		
	<p><b>871700 M-SENSOR-2-10</b></p> <p>Daylight-dependent control for automatic control of high frequency, electronically dimmable chokes depending on ambient light level. By coupling the daylight sensor to the multisensor, maximum 10 fittings can be controlled simultaneously with the same light output. Distance between multisensor and fittings max. 25m. The daylight sensor is supplied with 3 different filters, for use depending on application.</p>	<table border="0"> <tr> <td>Sensor input</td> <td>: 1x</td> </tr> <tr> <td>Output</td> <td>: 1 - 10V</td> </tr> <tr> <td>Output no. EVSA</td> <td>: max. 2 x 5 EVSA HF dimmable</td> </tr> <tr> <td>Distance to EVSA</td> <td>: max. 25m</td> </tr> <tr> <td>Lux range</td> <td>: 150 - 500 Lux</td> </tr> <tr> <td>Protection</td> <td>: IP20</td> </tr> <tr> <td>Temperature</td> <td>: 0°C to +50°C</td> </tr> <tr> <td>Production standard</td> <td>: CE</td> </tr> </table>	Sensor input	: 1x	Output	: 1 - 10V	Output no. EVSA	: max. 2 x 5 EVSA HF dimmable	Distance to EVSA	: max. 25m	Lux range	: 150 - 500 Lux	Protection	: IP20	Temperature	: 0°C to +50°C	Production standard	: CE		
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Production standard	: CE																			
	<p><b>871710 SENSOR-SET</b> <b>871720 SENSOR-OEM</b></p> <p>Daylight-dependent sensor for automatic control of high frequency, electronically dimmable chokes depending on ambient light level. Because the sensor follows the daylight, the total lux value for the users remains constant. The daylight sensor is supplied with 3 different filters (for the 871720, 1 filter by choice), for use depending on application and preferences of the user. The sensor can be connected directly to the EVSA but also via a multisensor adapter.</p>	<table border="0"> <tr> <td>Sensor length</td> <td>: 70cm</td> </tr> <tr> <td>Diameter sensor</td> <td>: 9.5mm</td> </tr> <tr> <td>Lux filter</td> <td>: 3 pcs</td> </tr> <tr> <td>Transparent filter</td> <td>: &gt; 150 Lux</td> </tr> <tr> <td>Yellow filter</td> <td>: &gt; 350 Lux</td> </tr> <tr> <td>Blue filter</td> <td>: &gt; 500 Lux</td> </tr> <tr> <td>Protection</td> <td>: IP20</td> </tr> <tr> <td>Temperature</td> <td>: 0°C to +50°C</td> </tr> <tr> <td>Production standard</td> <td>: CE</td> </tr> </table> <p>For item number 871720, 1 selected lux filter is supplied. Other lux values available on request.</p>	Sensor length	: 70cm	Diameter sensor	: 9.5mm	Lux filter	: 3 pcs	Transparent filter	: > 150 Lux	Yellow filter	: > 350 Lux	Blue filter	: > 500 Lux	Protection	: IP20	Temperature	: 0°C to +50°C	Production standard	: CE
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	<p><b>871725 SENSORHOUDER</b></p> <p>Sensor holder for attaching daylight-dependent sensor. This sensor holder fits neatly into any reflector section of TL fittings.</p>	<table border="0"> <tr> <td>Clamping range</td> <td>: 6 - 85mm</td> </tr> </table>	Clamping range	: 6 - 85mm																
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## DAYLIGHT-DEPENDENT CONTROLS 1-10V

Item no.	Klemko number	Specifications
 <p><b>871750 STAP-ADAPTER</b></p> <p>This step adapter steps from input 1 to input 2 when the first input is connected. This function is used for example to control the HF TL lighting in corridors of public institutions such as hospitals or nursing homes. The lighting is controlled daylight-dependent during the day. After around 22.00, the presence detectors are activated via a time clock or controlled radiographically. The lighting then illuminates at dim level. On detection, the lighting switches to maximum level until the set time has elapsed. Then the lighting switches back to dim level. The dim light level is set fully adjustable on the step adapter.</p>	<p><b>871590 D-RAIL-MONTBL</b></p> <p>DIN rail assembly block to mount the step adapter 871750 at any point.</p> 	<p>Adapter input 1 : 100% = 230Vac via presence detector</p> <p>Adapter input 2 : dimmed = 230Vac via AWD/time clock</p> <p>Output S1 - S2 : to dim output 1-10V (may be paralleled with a daylight sensor)</p> <p>Output setting : stepless from 10% - 100%</p> <p>Protection : interior use</p> <p>Temperature : 0°C to +50°C</p> <p>Production standard : CE</p>

## LIGHTING CONTROLS 1 - 10V

 <p><b>871730 POT-MTR-INB</b> <b>871740 POT-MTR-INB/K</b></p> <p>This electronic potentiometer dims electronic chokes (EVSA's) with a 1-10Vdc control input. Flush-mount model. The total EVSA control current (note information from EVSA manufacturer) may not exceed 50mA. Use EVSA's of the same make, type and value. The same applies to fluorescent lamps.</p> <p><b>!! Warning !!</b> EVSA's have a high connection current. When switching more than 6 EVSA's, a separate relay is required.</p>	<p>(with assembly claw )</p> <p><b>Function 1</b> : press - "ON" or "OFF" switch via "make contact"</p> <p><b>Function 2</b> : turn = dim via 1 - 10V control voltage</p> <p>Max. control current : 50mA</p> <p>Mains switch : 6A, max. 6 EVSA's can be switched directly</p> <p>Fuse : T 4 H, 250V</p> <p>Cover frame : many well-known brands (not supplied)</p> <p>Shaft : 4mm, metal</p> <p>Shaft adapter : from 4 - 6mm supplied</p> <p><b>Item no. 871740</b> : Inc. fixing claw</p>	
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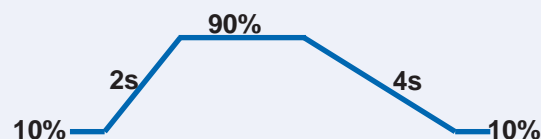
## HIGH FREQUENCY ELECTRONICALLY DIMMABLE CHOKES



### GENERAL FEATURES EPV HF EVSA

EPV high frequency dimmable electronic chokes (HF EVSA 1-10V) are used in combination with a daylight-dependent sensor or electronic potentiometer. These HF VSA's are fitted internally with special electronics which ensure that the light output can increase directly from 10% to 100% on daylight-dependent control. When returning from 100% to 10%, a delay of 4 seconds is built in. This prevents the undesirable black/white effect, sudden darkness. All HF EVSA's are fitted with a warm start which means that when used with presence detectors, the light sources retain a long service life. Fitted as extra with adjustable minimum light intensity.

Connection voltage	: 230Vac 50 - 60Hz
Output	: 0.13-0.5A cos phi = 0.98
Integral power source	: I sensor input = 0.35mA
Dimmable	: 10% - 100%
Minimum lux value	: adjustable between 10% - 50%
Lighting hours	: ± 50,000
Temperature	: 0°C to +50°C
Production standard	: CE



### Economic benefit

The savings from using EPV HF EVSA's combined with daylight-dependent sensors and presence detectors are huge:

- EPV HF EVSA - versus continuous conventional VSA: 60% energy saving
- EPV HF EVSA - electronic VSA in continuous operation: 35% energy saving

Item no.	Klemko number	Specifications
879000	EVSA 2X36D1/10	EPV HF EVSA 2 X 36 WATT (T8/dulux/PLL) DIMMABLE HIGH FREQUENCY
879100	EVSA 2X58D1/10	EPV HF EVSA 2 X 58 WATT (T8/dulux/PLL) DIMMABLE HIGH FREQUENCY
879086	EVSA 1X28D1/10	EPV HF EVSA 1 X 28 WATT (T5) DIMMABLE HIGH FREQUENCY
879082	EVSA 1X35D1/10	EPV HF EVSA 1 X 35 WATT (T5) DIMMABLE HIGH FREQUENCY
879002	EVSA 1X36D1/10	EPV HF EVSA 1 X 36 WATT (T8/dulux/PLL) DIMMABLE HIGH FREQUENCY
879084	EVSA 1X49D1/10	EPV HF EVSA 1 X 49 WATT (T5) DIMMABLE HIGH FREQUENCY
879080	EVSA 1X54D1/10	EPV HF EVSA 1 X 54 WATT (T5) DIMMABLE HIGH FREQUENCY
879052	EVSA 1X58D1/10	EPV HF EVSA 1 X 58 WATT (T8/dulux/PLL) DIMMABLE HIGH FREQUENCY

### Primary dimmable HF EVSA's controlled by trailing-edge dimmers

879085	EVD1X18HF-PAF	EVD 18/1/HF1 PRIMARY DIMMABLE TRAILING-EDGE
879087	EVD1X36HF-PAF	EVD 36/1/HF1 PRIMARY DIMMABLE TRAILING-EDGE
879089	EVD1X58HF-PAF	EVD 58/1/HF1 PRIMARY DIMMABLE TRAILING-EDGE

Other types available on request.

