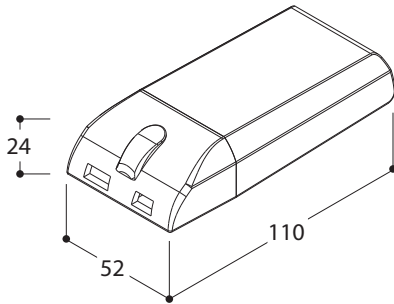
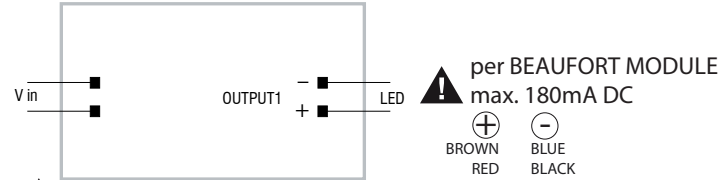


ref 930546

name POWERLED CONVERTOR REMOTE 1-20W 180mA 1-10V DIMM

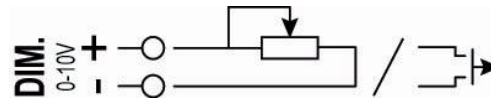


### Wiring diagram



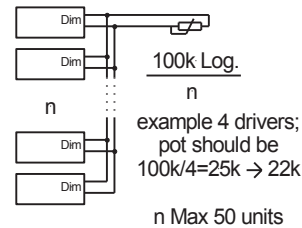
⚠ Output 2 is not connected  
The maximum secondary wire length is 10mtr (at max. power)

### Connection schema for DIM input:



DIM-input can be controlled with:  
a standard 1-10V controller (range 0-100%),  
a 100K potentiometer (range 0-100%) and  
a pulse switch (range 3-100%). A short pulse switches the LEDs on or off.

### When using more drivers on one dimmer (pot.meter only):



### Features

#### Specifications

System input voltage nominal	110-240Vac
System input voltage range	110-240Vac
System input frequency	50/60 Hz
System input power	24W
Output current	180mA
Operating voltage output	43Vdc Max
Driver efficiency	85%
Power factor	0,9C
Nominal line current	115V: 0,23A 240V: 0,11A
Output power	240V: 20 Watt 115V: 15 Watt
LED type	Current (U <sub>nom</sub> 230-240VAC)
Number of LEDs	⚠ 1 CONVERTER PER 1 BEAUFORT MODULE

Dimmer type	1-10V, potentiometer or pulse switch (SELV EQ.)
Load operating frequency	PWM 230 Hz
Open circuit voltage	45,5Vdc
Short circuit protection	Yes
Open circuit protection	Yes
Overvoltage protection	Yes
Load voltage setting time	1 second
Thermal protection	Yes, against overheating
Output current overshoot	No
Output isolation	Yes SELV EQ.:Yes
Ambient temperature range	0 +50°
Leads primary	H05RN - F 1 mm <sup>2</sup>
Leads secondary	0.1 mm <sup>2</sup> - 0.5 mm <sup>2</sup>
Lead connection method	Clamp
Mounting method	Screw
Weight	105 gram
Case colour	Grey
Maximum case temperature (Tc)	< 85°
Storage temperature range	-20 +50° C
Case dimensions	110 x 52 x 24 mm
Approvals	CE
Complies with standards	EN 61547, EN 55015, EN61000-3-2, EN 62384, EN 61347-2-13

**RoHS**  
Compliant



### Unexpected behaviour when using 1-10V controller system:

When controlling the driver with a 1-10V system it can occur that the 1-10V controller delivers (or allows) a spike that is higher than 12V. The spike triggers the driver in to 'pulse switch mode'. This will result in unexpected and unintended behavior of the LEDs.

In case of symptoms like these, it is sufficient to clamp the output of the control system with a 10 or 12V zener diode. (cathode connected to the positive)

### Disorganized system when using pulse function:

When parallel connecting a pulse switch on several drivers it can occur that the pulse length is exactly too short or too long. On this critical border it can be that the drivers are not working in unison. It can be reset without disconnecting the mains power. Reset procedure: By long pressing the pulse switch the drivers always turns on, independently of the initial state. Give a short pulse and all the drivers are now off. By long pressing again all drivers turn on and ramp up in unison.

We recommend pulse operation mainly for fixtures in which each driver is regulated independently.

Complete synchronous regulation isn't processed in the driver.