



Driver 0010 K001 12/24 V LCU indoor IP20

Product description

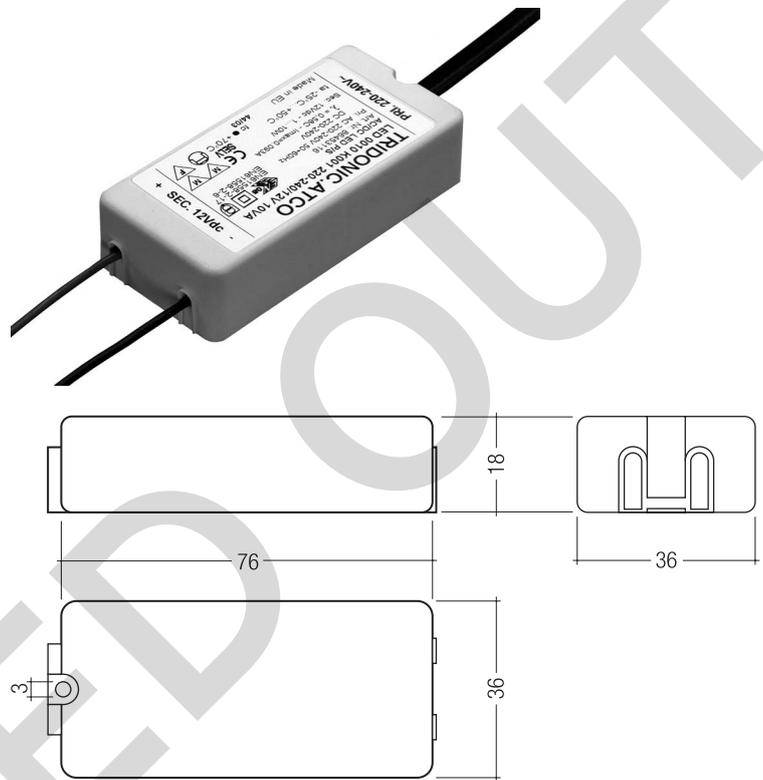
- Constant voltage LED Driver
- Constant output voltage

Product

- Compact dimensions
- Overtemperature and overload protection with power regulation
- Short-circuit protection with automatic restart
- Type of protection IP20
- Casing: Nylon natural white 66
- Connecting cable, supply side: 2 x 0.75 mm², H03VV H2-F (length approx. 140 mm)
- Connection: Cable with end sleeves (length approx. 200 mm)

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 254 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 60 %
Line regulation	< 1 %
Load regulation	< 5 %
Ambient temperature t_a	-25 ... +50 °C
Dimensions LxWxH	76 x 36 x 18 mm



Ordering data

Type	Article number	Secondary voltage DC	Packaging carton	Weight per pc.
0010 K001 12 V	86453116	12 V	40 pc(s).	0.048 kg
0010 K001 24 V	86453122	24 V	40 pc(s).	0.046 kg

Standards, page 2

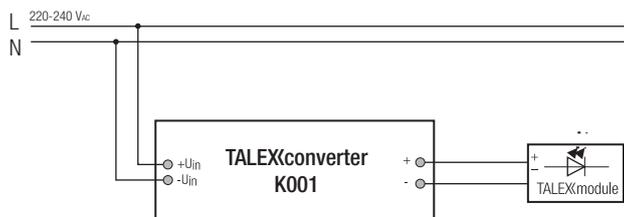
Wiring diagrams and installation examples, page 2

Specific technical data

Type	Output power	Current at 230 V, 50 Hz	Max. casing temperature t_c
0010 K001 12 V	1 – 10 W	93 mA	70 °C
0010 K001 24 V	1 – 10 W	95 mA	65 °C

Standards

EN 55015
 EN 61000-3-2
 EN 61347-1
 EN 61347-2-13
 EN 61547
 EN 62384

Wiring diagram**Installation instructions**

The switching of LEDs on secondary side is not permitted.

Please note that the K001 complies with protection class II so special measures are needed if it is to be installed in protection class I applications / luminaires.

Please note the requirements set out in the document LED_Betriebsgeraete_installationshinweis.pdf (<http://www.tridonic.com/com/de/technische-doku.asp>).

Isolation and electric strength testing of luminaires

Electronic devices can be damaged by high voltage. This has to be considered during the routine testing of the luminaires in production.

According to IEC 60598-1 Annex Q (informative only!) or ENEC 303-Annex A, each luminaire should be submitted to an isolation test with 500 V_{DC} for 1 second. This test voltage should be connected between the interconnected phase and neutral terminals and the earth terminal. The isolation resistance must be at least 2 MΩ.

As an alternative, IEC 60598-1 Annex Q describes a test of the electrical strength with 1500 V_{AC} (or 1.414 x 1500 V_{DC}). To avoid damage to the electronic devices this test must not be conducted.

Additional information

Additional technical information at www.tridonic.com → Technical Data

Guarantee conditions at www.tridonic.com → Services

No warranty if device was opened.