

TDS13226

Power Dimmer 4 x 1000VA (total max. 3000VA)



4 channels, 0-10V input power dimmer 4 x 1000VA output to dim resistive and inductive loads and triac dimmable electronic transformers (LED, ...).
Wall mounting. For use with 230V/50Hz supply.

Each channel is short circuit protected by a fuse and thermal overload protected by a thermal protection switch.

APPLICATION

Dimmer with 0-10V control inputs.
E.g.: Analog outputs: MICROS+ / TDS13608 / TDS13610 (0-10V mode).

CHARACTERISTICS

General

4 x 0-10V inputs; 4 x 1000VA output. Total power max. 3000VA. See derating curve for more details.
Leading edge control suited for dimming resistive and inductive power loads (lights), including leading edge, triac dimmable electronic transformers.
Build-in 4 x ceramic fuse (20mm – 5Amp F/250V).
The 0-10V inputs are isolated from the mains.
Input impedance (0-10V): 48kΩ
Mains connection 230V/50Hz

! Remark: If one channel is loaded with 1000VA the channel next to it is max. 500VA at 25°C environmental temperature due to heat distribution.

Minimum load

Minimum load (any case) 15VA. Not suitable for dimming wall sockets (no guaranteed minimum load in such case). Use without a load can damage the unit

Maximum load

Maximum load per channel:

- Resistive load: 1000VA max.
- Traditional copper transformer: 150VA max.
- Electronic transformer: 250VA max.

Remarks

! Transformers should be loaded with minimum 60% of their nominal load!

! TELETASK strongly recommends to test the combination dimmer/electronic-transformer/lamp before installation.

External override contact

When the external contact is closed, all connected loads will be 100% ON. If this contact is used, it may be necessary to implement this feature into the emergency evacuation procedures of the concerned area/building.

INSTALLATION

Best practice

Always make sure that the power dimmer is mounted at the upright position for proper heat transfer. See arrows on the PCB 'This side UP'.

Preheat

Change the preheat potentiometer setting if your load is still (a little bit) ON when dimmed to OFF.
CONNECTIONS

Signal input 0-10V

Screw terminals 1mm² (AWG17) with common 0V connection.

Power supply

230V/50Hz: Screw terminals 2.5mm² (AWG14).
Add an external general protection MCB of 16Amp maximum.

Output

Screw terminals 2.5mm² (AWG14)

External override

Override input: voltage free contact
1mm² (AWG17) for total cable length 0-100m

POWER CONSUMPTION

Depends on the connected loads.

DIMENSIONS

310W x 185H x 47D (mm)

NET | GROSS WEIGHT

2,180kg | 2,310kg

PACKAGING CONTENT

TDS13226 interface

STORAGE

Temperature

-20°C to +65°C

Relative humidity

15% to 85%

IP PROTECTION RATE

IP20

OPERATING RANGE

Temperature

0°C to +50°C max.

Relative humidity

5% to 80% at 25°C (no humidity/condense)



SCHEMATIC DRAWING

TDS13226

