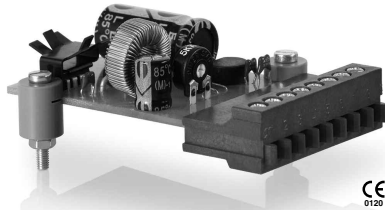


PL 822 FO

Instruction

REF 2100039-ENG/02.10



English

Medical devices entirely made in Switzerland by Bien-Air Dental SA.

Type

These electronics allows all the bulbs to be supplied with a maximum power of 3.5 W and with a voltage of between 2.5 and 4 Vdc. Factory setting: 3.8 Vdc (or 3.5 Vdc at the bulb, due to loss on line.

It also reduces the tripping points, which increases the working life of the bulb.

Intended use

Product intended for professional use only. Use in dentistry for prophylaxis, general dentistry and endodontic work.

Technical data and assembly

Dimensions

73 x 45 x 30 mm (2,87x1,77x1,18 in).

Weight

40 g (1,41 oz).

Output current: bulb

0.8 A max.

Output voltage: bulb

3.8 Vdc (default value) adapted to the length of a standard 1.7 m (66.92 in) tube.

Voltage

12 to 28 Vac / 50 or 60 Hz.

Setting with trimmer

From 2.5 Vdc to 4 Vdc, for access to trimmer **fig. 1**.

Setting with potentiometer

From 2.5 Vdc to the value regulated by the trimmer.

Assembly fig. 2, 3, 4 and 5

- ① blue wire (pole mass).
- ② brown wire (pole positiv).
- ③ the blue and the brown wires:
2 internal passages and
1 external turn.
- ④ ferrite REF 822.01.07.

Comments

If you do not install the potentiometer, make a bridge between Positions 3 and 4 of the connector.

Note

In order to conform to the CEI 601-1-2 standards, take into account the different routes of the wires through the unit (bend, fold, section etc...) and use a transformer with double insulation and separate coils. This device must be installed with the greatest care, with all the necessary insulation and by a person with the necessary, adequate knowledge of electricity.

Maintenance

Overhaul

Never disassemble the device. For any modification and repair, we recommend that you contact your regular supplier or Bien-Air Dental directly. Bien-Air Dental asks the user to have its dynamic instruments checked or inspected at least once a year.

Environment

Temperature between -40°C (-40°F) and 70°C (158°F), relative humidity between 10% and 100%, atmospheric pressure 50 kPa to 106 kPa (7.3 to 15.3 psi).

Information

The technical specifications, illustrations and dimensions contained in these instructions are given only as a guide. They may not be the subject of any claim. The manufacturer reserves the right to make technical improvements to its equipment, without amending these instructions. For all additional information, please contact Bien-Air Dental SA at the address indicated on the back cover.

General information

The device must be used by a qualified person in accordance with the current legal provisions concerning industrial safety, health and accident prevention measures, and these working instructions. In accordance with these requirements, the operators:


- must only use operating devices that are in perfect working order; in the event of irregular functioning, excessive vibration, abnormal heating or other signs indicating malfunction of the device, the work must be stopped immediately; in this case, contact a repair centre that is approved by Bien-Air Dental;
- must ensure that the device is used only for the purpose for which it is intended, must protect themselves, their patients and third parties from any danger, and must avoid contamination through the use of the product.

The device is intended for medical treatment only; any use other than that for which this product is intended is unauthorised and may be dangerous. The medical device meets all the current legal requirements.

The device is not authorised for use in an explosive atmosphere (anaesthetic gas).

Avoid any contact with liquids.

Only use maintenance products and components from Bien-Air Dental. The use of other products and components can void the guarantee.

 This device must be recycled. Electrical and electronic equipment may contain dangerous substances which constitute health and environmental hazards. The user must return the device to its dealer or establish direct contact with an approved body for treatment and recovery of this type of equipment (European Directive 2002/96/EC).

Guarantee

Terms of guarantee

Bien-Air Dental grants the operator a guarantee covering all functional defects, material or production faults. The device is covered by this guarantee for 12 months from the date of invoicing. Bien-Air Dental offers a 24-month guarantee for the glass-bar light conductors.

In the event of justified claim, Bien-Air Dental or its authorised representative will fulfil the company's obligations under this guarantee by repairing or replacing the product free of charge.

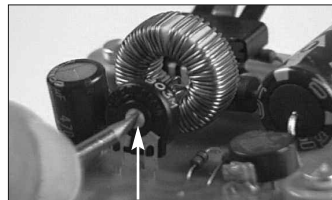


fig. 1

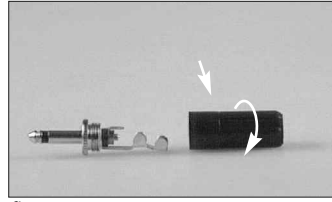


fig. 2

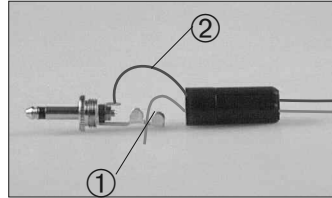


fig. 3

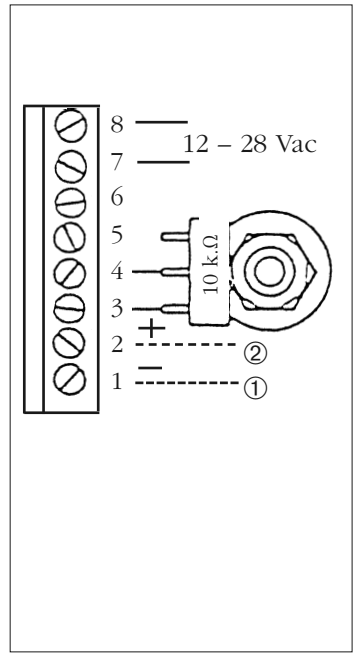


fig. 4

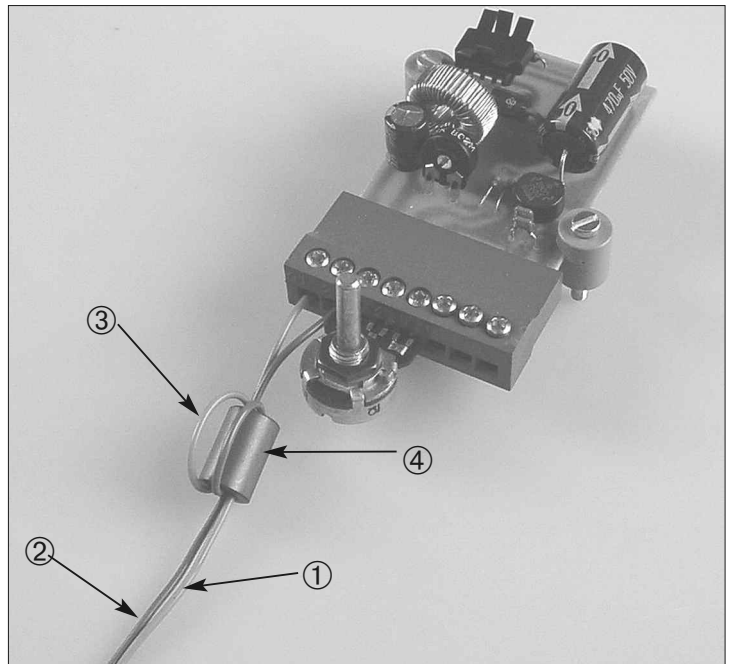


fig. 5

Any other claims, of whatever nature, in particular in the form of a claim for damages and interest, are excluded. Bien-Air Dental shall not be held responsible for damage or injury and the consequences thereof, resulting from:

- excessive wear and tear
- improper use
- non-observance of the instructions for installation, operation and maintenance
- unusual chemical, electrical or electrolytic influences
- poor connections, whether of the air, water or electricity supply.

The guarantee does not cover flexible "fibre optic" type conductors, or any parts made of synthetic materials.

The guarantee shall become null and void if the damage and its consequences are due to improper manipulation of the product, or modifications to the product carried out by persons not authorised by Bien-Air Dental.

Claims under the terms of the guarantee will be considered only on presentation, together with the product, of the invoice or the consignment note, on which the date of purchase, the product reference and the Serial No. should be clearly indicated.


REF	Legend
1600140-001	PL 822 FO without housing, for lighting power, controlled electrically
249.28.05-001	Holder
801.12.06-001	Potentiometer
822.01.07-001	Ferrite
870.03.21-001	Connector

List of Bien-Air Dental SA registered trade mark products ®:


Aquilon®	Eolia®	Isolite®	MX®
Bora®	Gyro®	Lubrifiuid®	Prestilina®
Boralina®	Gyrolina®	Lubrimed®	Spraynet®

In these instructions, "Device" corresponds to the product described in the heading "Type". For example, turbine, contra-angle, handpiece, micromotor, tube, electronics, connectors, station etc.

Symbols

 CE Marking with number of the notified body.

 Recyclable electrical and electronic material.

 Move in the direction indicated.

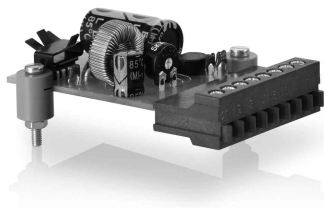
 Move fully to the stop, in the direction indicated.

This product may be covered by one or more of the following patents:

EP Europe: 0 497 139 / 0 526 783 / 0 745 358 / 0 688 539 / 0 894 879 / 1 145 688 / 1 109 301 **DE Germany:** 296 16 023.7
DK Denmark: 96 00315 **FR France:** 2 679 804 / 2 722 972 / 2 733 680 / 2 692 621 / 2 720 263 / 2 757 763 / 2 766 697 / 2 781 318
CH Switzerland: 693 922 **CN China:** 129343 **JP Japan:** 2 037 611 / 1 991 770 **US United-States:** 5.059.122 / 4.773.856 / 6.033.220 / 6.337.554 / 5.453.008 / 6.319.003 / 6.495.937

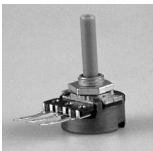
REF 1600140-001 BOARD F0822

Set supplied



REF 1600140-001

Optional accessories



REF 801.12.06-001



REF 249.28.06-001



REF 870.03.21-001

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