

## 03925

Flat control with push-buttons and 2,4 GHz radio transmitter, **Bluetooth® technology** Low Energy, energy harvesting power supply that uses a built-in electrodynamic generator, optional version with dedicated colour buttons Eikon 20506 or 20506.2, Arké 19506 or 19506.2 or Plana 14506 or 14506.2 - 2 modules.

The **Bluetooth technology** Low Energy control operates at 2,4 GHz and, at an application level, is compatible with BLE receivers that use Casambi protocol/technology and Open Standard **Bluetooth technology** in XICATO Controls systems that display the "Works with XICATO Controls" or "Powered by XICATO Controls" logo. Refer to the websites of the two manufacturers ([www.casambi.com](http://www.casambi.com) and [www.xicato.com](http://www.xicato.com)) for the list of lighting companies that adopt this technology, or contact the Vimar sales network.

### MAIN CHARACTERISTICS.

- Rated supply voltage (Vn): no kind of power supply is needed.
- Maximum RF transmission power: 0.4dBm / 1.1mW
- Frequency range (min/max): 2402 MHz / 2480 MHz
- Communication standard **Bluetooth technology** Low Energy (BLE)
- Range: 75 m in an open field; this value is reduced depending on the environment and installation method (presence of metal plates, concrete, metal walls and/or partitions).
- Default radio channels used: CH 37 / 38 / 39 (2402 MHz / 2426 MHz / 2480 MHz).
- Auxiliary interface: NFC Forum Type 2 Tag (ISO/IEC 14443 Part 2 and 3).
- Device identification: individual 48 bit device ID (factory programmed).
- Safety: AES128 (CBC mode) with sequence code.
- Installation: flush or surface mounting. Surface mounting installation, thanks to the special mounting frame (art. 21507, 20507, 19507, 20607 or 14607), can be on materials such as wood, masonry, etc.
- Operating temperature: -25°C to +65°C (for indoor use)

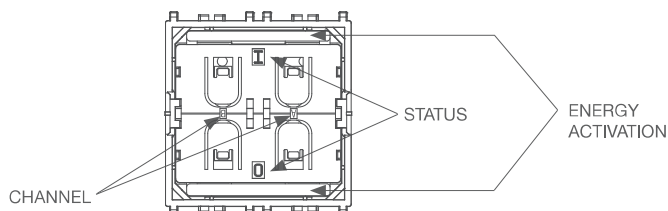
**CAUTION:** When the button is pressed, for the radio command to be transmitted, you need to hear a mechanical "click".

By attaching the buttons 20506-19506-14506 or 20506.2-19506.2-14506.2 to the flat control with two rocker buttons, you can create a control point via radio.

The buttons can be specially customized with the symbols illustrated in the Vimar catalogues.

### USER INTERFACE.

03925 devices provide four push button contacts. They are grouped into two channels (Channel A and Channel B) each containing two push button contacts (State O and State I). The state of all four push button contacts (pressed or not pressed) is transmitted together with a unique device identification (48 Bit device ID) whenever the energy bar is pushed or released.



### DEVICE CONFIGURATION.

The following procedures allow the device to interact with a receiver or to operate within a specific network. For full details, refer to the Installer manual that can be downloaded from the website [www.vimar.com](http://www.vimar.com).

#### Configuration with XICATO Controls

To configure the device and put it into service paired with a lamp or driver equipped with Open Standard **Bluetooth technology** in a XICATO Controls system that displays the "Works with XICATO Controls" or "Powered by XICATO Controls" logo, download the Xicato Control Panel (XCP) free of charge for Windows or Mac by sending an email with your details to [download@xicato.com](mailto:download@xicato.com).

#### Configuration with Casambi

Use the APP that can be downloaded free of charge from the App Store to configure communication with Casambi.

- To teach the control, use an Android smartphone equipped with NFC technology (smartphones with the iOS operating system do not support this technology).
- Select the NFC option and **Bluetooth technology** on the smartphone.
- Open the Casambi APP.
- Create a new network or open one that already exists.
- Select Other and then Switches.
- Once the data has been acquired, bring the smartphone close to the 03925 control to be configured; it will be recognised and the letters PTM215B will be displayed.



- Finally, select the required function for each of the four push-buttons.

**IMPORTANT:** If a control has been inserted into the Casambi network and must then be used in a Xicato network, it is necessary to reset it to the factory conditions. Similarly, a control that has been inserted into the Xicato network must be reset before it can be used in a Casambi network.

#### Device reset

Press the four push-buttons (A0, AI, B0 and BI) simultaneously, and press the activation bar for at least 10 s; only release the push-buttons after activating the bar (it is not necessary to hold them down for the full 10 s). This will return the device to the factory conditions.

### INSTALLATION RULES.

- Installation should be carried out by qualified staff in compliance with the current regulations regarding the installation of electrical equipment in the country where the products are installed.
- The device may be installed on the following mounting frames:
  - Eikon: art. 20507, 20607, 20608, 20609, 21507, 21602, 21603, 21612, 21613, 21614, 21617 and 21618.
  - Arké: art. 19507, 19602, 19603, 19612, 19613, 19614, 19617, 19618, 19620 and 19621.
  - Plana: art. 14602, 14603, 14604, 14605, 14607, 14608, 14609, 14612, 14613, 14614, 14617, 14618, 14619, 14620 and 14621.

### REGULATORY COMPLIANCE.

RED Directive.

EN 60950-1, EN 301 489-17, EN 300 328, EN 62479 standards.

Vimar SpA declares that the radio equipment complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is on the product sheet available at the following Internet address: [www.vimar.com](http://www.vimar.com).

### FCC (United States) Regulatory Statement IC (Industry Canada) Regulatory Statement

This device complies with part 15 of the FCC Rules and with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

REACH (EU) Regulation no. 1907/2006 – Art.33. The product may contain traces of lead.



#### WEEE - Information for users

If the crossed-out bin symbol appears on the equipment or packaging, this means the product must not be included with other general waste at the end of its working life. The user must take the worn product to a sorted waste center, or return it to the retailer when purchasing a new one. Products for disposal can be consigned free of charge (without any new purchase obligation) to retailers with a sales area of at least 400 m², if they measure less than 25 cm. An efficient sorted waste collection for the environmentally friendly disposal of the used device, or its subsequent recycling, helps avoid the potential negative effects on the environment and people's health, and encourages the re-use and/or recycling of the construction materials.