O-Bread

Boards kit for control and management of bakery and pastry ovens.

EMBEDDED
ELECTRONIC
ENGINEERING

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Optional remote control system in the cloud.

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① Power board

The power board is equipped with 10 triac power outputs for controlling single-phase and three-phase loads, and 3 relay outputs with clean contact at 230V.
Thanks to the power supply cirucit it is possible to power the board in a wide voltage range 85-265 VAC. There are also 2 thermocouple inputs for reading the temperatures to be adjusted (for example chamber and steamer).
There is also a modbus RS485 serial interface through which it is possible to communicate with the display board (among those that are present in our catalog).

Technical characteristics

Triac outputs 40A max: 4 – Triac outputs 20A max: 6	
Relay outputs with clean contact: 3 (230VAC, 12A max)	
Cooling fan control output: 1	
Thermocouples K,J type inputs: 2	
PT100 temperature inputs on heatsinks: 2	
Item weight: 800gr – Item size: 186 x 190 mm	

② Display board

Technical characteristics

Screen size: 10 inches
LCD-IPS screen technology with capacitive touch
1024 x 768 screen resolution
Display operating temperature: from -30 to +80°C
Front on/off button
Item weight: 300gr – Item size: 180 x 250 mm

Technical characteristics

Screen size: 7 inches
LCD-IPS screen technology with capacitive touch
800 x 480 screen resolution
Display operating temperature: from -30 to +80°C
Front on/off button
Item weight: 300gr – Item size: 180 x 250 mm

Technical characteristics

Screen size: 5 inches
LCD-IPS screen technology with capacitive touch
800 x 480 screen resolution
Display operating temperature: from -30 to +80°C
Front on/off button
Item weight: 300gr – Item size: 180 x 250 mm

Basic version with 7 segment display

③ Remote control

It is possible to install the EasyLink product as an accessory to connect to the display board, which allows the system to be connected to the cloud through the ethernet interface. This allows you to monitor and control the oven through PC desktop or App on smartphones and tablet specially developed.

Technical characteristics

Power supply: 12-24VDC
Communication interfaces: Ethernet, RS485, CanBus
Item weight: 180gr – Item size: 145x90x40 mm

EASY AND INTUITIVE CUSTOMIZABLE SOFTWARE FOR BETTER USE OF THE OVEN.

The control and management software was developed using the most innovative programming tools and this allows the user graphics to be quickly customized.
Through the USB port on the board it is possible to carry out, in addition to updating the control software, also the loading of different images for the various graphic elements on the pages.
In addition to the main page, which contains all the necessary informations relating to the cooking process, there are numerous configuration pages in which it is possible to set up to 100 different recipes, delayed start and much more. Contact us for more informations and possibly a live demonstration of our system.