

Mecatronic Ty 96



Temperature and Pressure Planet

Mecatronic TY96



Domestic ovens



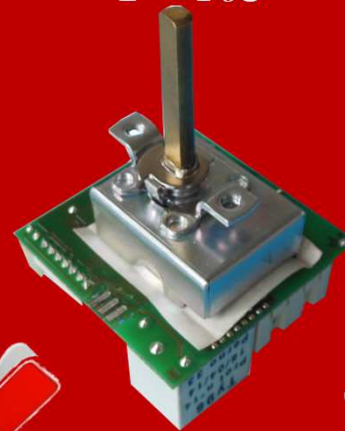
Professional ovens

*Electronic thermostat
with temperature programming on each oven.
Strong and interchangeable with traditional mechanical thermostats*

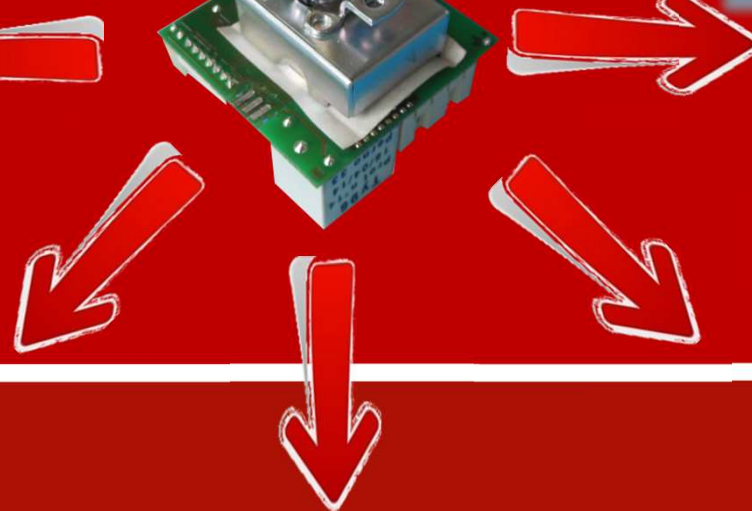
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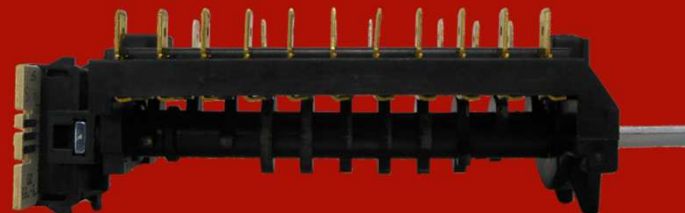
*Programming on each
OVEN*



*Board "vision temperature and timer
digital or analog"*



Energy saving



Commutator with encoder



*"temperature-display and timer with App"
WI-FI Board*



Mecatronic TY96



Description

In order to meet the new energy-saving standards that will become law next year, CAMPINI COREL has developed a special simplified electronic board to control the temperature in the oven.

It can manage thermal mapping of the oven muffle more accurately thanks to dedicated and programmable software for every type of oven which allows significant energy saving equal terms when compared to an equivalent mechanical thermostat.

The new product has been developed to maintain the benefits of a stable fixing of a traditional mechanical thermostat, together with the performance improvements resulting from the oven using a specific software, typical of an electronic board dedicated to kitchen ovens.

The standard electronic board is not equipped with a display indicating the main operating parameters of the oven but an additional display can be supplied in order to show the oven-temperature and to set the cooking-time.

Additional benefit is to be perfectly interchangeable with the mechanical thermostat and this enables the oven manufacturer to make no modification to the front panel.

Last, *the innovative (patented) fixing system* on the electronic board allows a stable shaft-knob that can work for a long time even after repeated rotations of the knob.

This is possible because all stress made by the end user on the knob is released on a steel frame that supports the electronics board.

The electronic board keeps all the control and precision requirements of current electronic products that equip the "full electronic" ovens, while offering the customer a cost comparable to an ordinary mechanical thermostat.

The product is equipped with a single input for the temperature probe and a second input for signal from rotary switch to select the different method of cooking.

The combination between the strong and patented mechanical knob rotation block and the electronic control board makes an ideal solution for those wishing to develop an oven with higher energy class, without any change in the design.

The function of the product can be summarized in a first power supply circuit that feeds one or more electrical heating elements located in the oven muffle, controlled by a 16 Amp relays.

The coil of the relay receives the signal from the board, which previously, using the dedicated software, chooses the best and cheapest heating method inside the muffle, depending on the sector selected on the rotary switch, the signal received from the internal temperature probe and the type and/or model of oven.

The user has no difficulty in operating having no programming procedure or sequence to follow to get what required. You just have to press the power button, turn the knob to set cooking temperature and select the oven heating mode, in the same way as a mechanical control oven.

Upon request, the same board can be supplied with different shape integrated with a WI-FI module to allow the end user to control the remote temperature and cooking time by smart phones and related apps.