



SYSTEM Control Boards to manage Biomass Stoves, Boilers, Burners, Fireplaces

KIT NG00 for air stove



- 9 Inputs**
 - 7 Low voltage
 - 2 Safety contacts

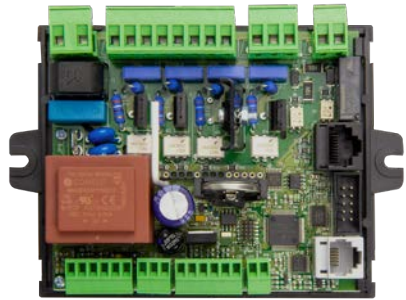
- 4 Outputs**
 - 1 on/off
 - 3 Triac

- Dimensions**
 - 110x90 mm

AIR stove

- CP110 CP115 CP120 LCD100 K100 K400 K700 NEO-4T 2WAYS2

KIT NG01



- 9 Inputs**
 - 7 Low voltage
 - 2 Safety contacts

- 5 Outputs**
 - 1 on/off
 - 4 Triac

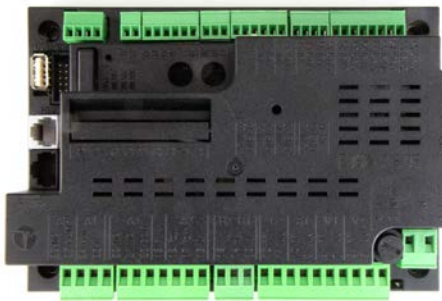
- Dimensions**
 - 110x90 mm

AIR stove

HYDRO stove/boiler

- CP110 CP115 CP120 LCD100 K100 K400 K700 NEO-4T 2WAYS2

KIT NG21



- 15 Inputs**
 - 13 Low voltage
 - 2 Safety contacts

- 11 Outputs**
 - 4 on/off
 - 5 Triac
 - 2 PWM DAC

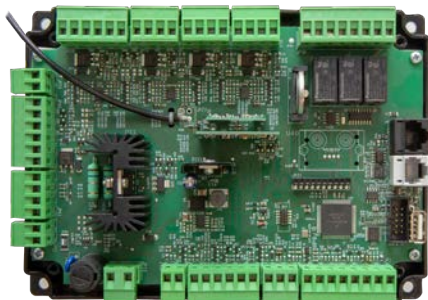
- Dimensions**
 - 164 x 115 mm

AIR stove

HYDRO stove/boiler

- CP110 CP115 CP120 LCD100 K100 K400 K700 NEO-4T 2WAYS2

KIT NG24



24V

- 10 Inputs**
 - 8 Low voltage
 - 2 Safety contacts

- 7 Outputs**
 - 7 Vdc PWM/ 0-10 V

- Dimensions**
 - 190x130 mm

AIR stove

HYDRO stove/boiler

BURNER

KITCHEN

- CP110 CP115 CP120 LCD100 K100 K400 K700 NEO-4T 2WAYS2

KIT MB100



- 9 Inputs** 7 Low voltage
 2 Safety contacts
- 6 Outputs** 2 on/off
 4 Triac
- Dimensions** 160x130 mm

AIR stove

HYDRO stove/boiler

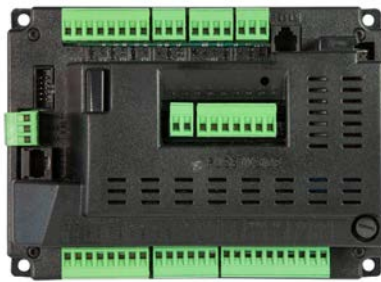
BURNER

KITCHEN

CHOOSE YOUR CONTROL PANEL

- CP110 CP115 CP120 LCD100 K100 K400 K700 NEO-4T 2WAYS2

KIT MB250



- 13 Inputs** 11 Low voltage
 2 Safety contacts
- 8 Outputs** Ver.1 Ver.2
 3 on/off 4 on/off
 5 Triac 4 Triac
- Dimensions** 130X179 mm

AIR stove

HYDRO stove/boiler

BURNER

KITCHEN

CHOOSE YOUR CONTROL PANEL

- CP110 CP115 CP120 LCD100 K100 K400 K700 NEO-4T 2WAYS2

KIT SY400



- 27 Inputs** 24 Low voltage
 3 Safety contacts
- 16 Outputs** 11 on/off
 5 Triac
- Dimensions** 185X135 mm

AIR stove

HYDRO stove/boiler

BURNER

KITCHEN

CHOOSE YOUR CONTROL PANEL

- CP110 CP115 CP120 LCD100 K100 K400 K700 NEO-4T 2WAYS2

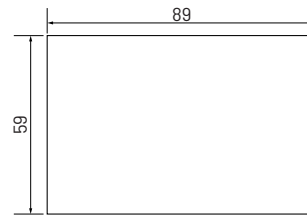
SYSTEM Control Panels compatible with all control boards

CP110

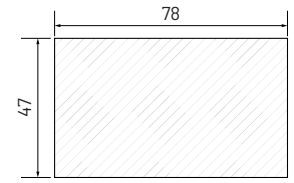
Mechanical keys



Glass



Dimensions



Mounting dimensions

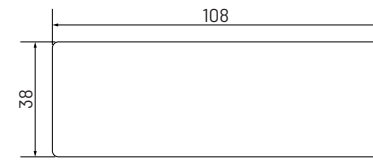
NG00	NG01	NG21	MB100	MB250	SY400
✓	✓	✓	✓	✓	✓

CP115

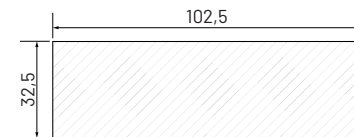
Mechanical keys



Glass



Dimensions



Mounting dimensions

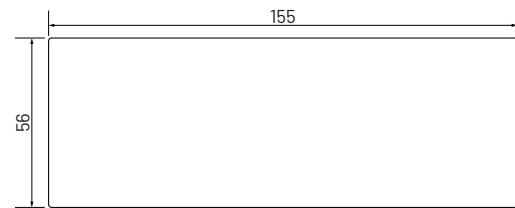
NG00	NG01	NG21	MB100	MB250	SY400
✓	✓	✓	✓	✓	✓

CP120

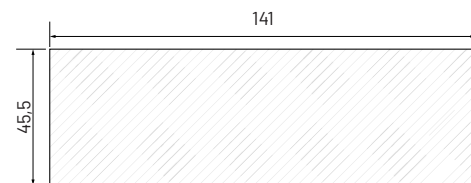
Mechanical keys



Glass



Dimensions

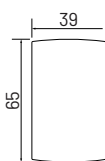


Mounting dimensions

NG00	NG01	NG21	MB100	MB250	SY400
✓	✓	✓	✓	✓	✓

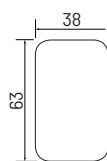
NEO 4T

Radio control



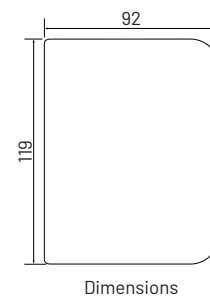
RUBBER 4T

Radio control

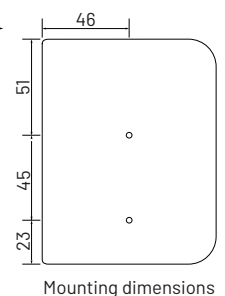


2Ways2

Bidirectional radio control



Dimensions



Mounting dimensions

NG00	NG01	NG21	MB100	MB250	SY400
✓	✓	✓	✓	✓	✓

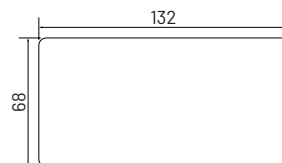
NG00	NG01	NG21	MB100	MB250	SY400
✓	✓	✓	✓	✓	✓

LCD100/K500

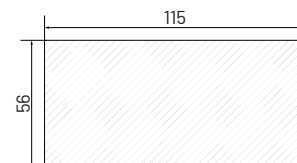
Mechanical keys



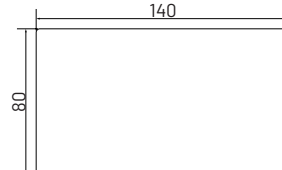
Glass



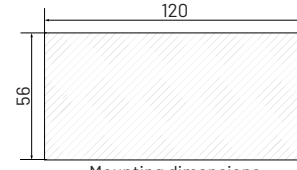
Mechanical key dimensions



Mounting dimensions



Glass dimensions



Mounting dimensions

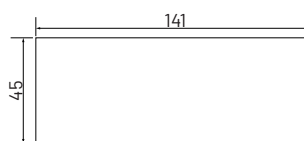
NG00	NG01	NG21	MB100	MB250	SY400
X	✓	✓	✓	✓	✓

K100

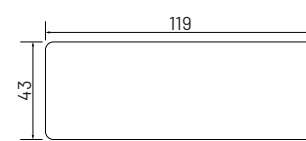
Mechanical keys



Glass



Dimensions



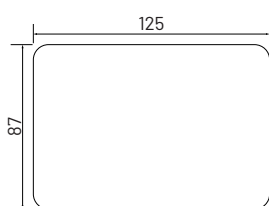
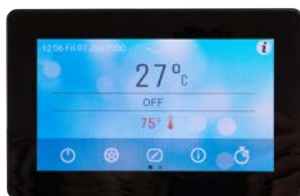
Mounting dimensions

NG00	NG01	NG21	MB100	MB250	SY400
X	✓	✓	✓	✓	✓

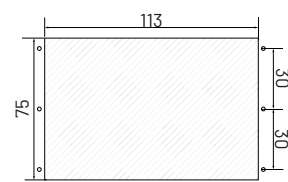
K400

K700

Touch screen 4,3"

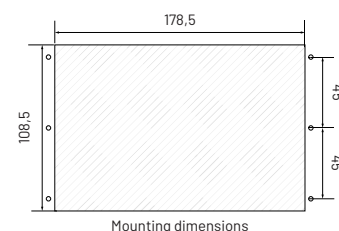
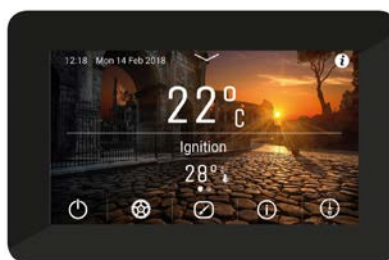


Dimensions

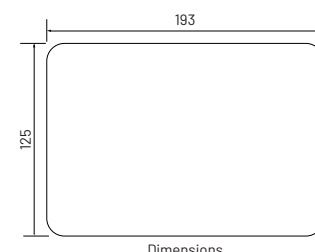


Mounting dimensions

Touch screen 7"



Mounting dimensions



Dimensions

NG00	NG01	NG21	MB100	MB250	SY400
X	✓	✓	✓	✓	✓

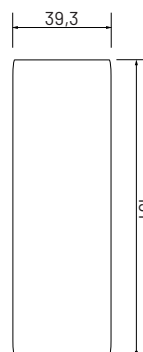
WiKey

Minimal control panel with integrated Wi-Fi and Radio 868 MHz module

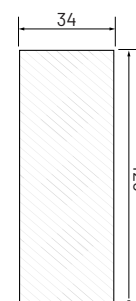
WiKey



The WiKey device resolves installation problems related to the shielding of waves for Radio - Wifi communication, given by the stove / boiler chassis. It's the HUB of smart stove technology



Dimensions



Mounting dimensions

NG00	NG01	NG21	MB100	MB250	SY400
✓	✓	✓	X	X	X

GLH110



- 3 Inputs 3 Low voltage
- 6 Outputs 4 on/off
 2 PWM
- Dimensions 3 module inbox

GLH110_Modula



- 3 Inputs 3 Low voltage
- 6 Outputs 4 on/off
 1 PWM
 1 PWM Modulating valve management
- Dimensions 3 module inbox

TC110



- Inputs 2 Low voltage 3 Low voltage
- Outputs 4 on/off 3 on/off
- Dimensions 3 module inbox

TC500



- 6 Inputs 6 Low voltage
- 5 Outputs 5 on/off
- Dimensions 140 x 94 x 58 mm

TC600



- 6 Inputs 6 Low voltage
- 6 Outputs 6 on/off
- Dimensions 140 x 80 x 58 mm
 160 x 80 x 58 mm
 200 x 85 x 58 mm
 Box version 180 X 132 X 60

GLA810



- 3 Inputs 3 Low voltage
- 2 Outputs 1 on/off
 1 Triac
- Dimensions 3 module inbox

FC330



- 2 Inputs 2 Low voltage
- 2 Outputs 1 on/off
 1 Triac
- Dimensions 3 module inbox

FC810



- 2 Inputs 2 Low voltage
- 2 Outputs 1 on/off
 1 Triac
- Dimensions 3 module inbox

FC750



- 3 Inputs 3 Low voltage
- 3 Outputs 3 Triac 1A 250Vac
- Dimensions 160x130 mm
 Radio 2Ways2 119 X 92 mm

SOLAR Temperature controllers to manage Thermic Solar Panels

GLS100



3 Inputs 3 Low voltage

6 Outputs 4 on/off
 2 PWM

Dimensions 3 module inbox

TSoI02



3 Inputs 3 Low voltage

3 Outputs 3 on/off

Dimensions 3 module inbox

TSoI600



6 Inputs 6 Low voltage

8 Outputs 6 on/off
 2 PWM

Dimensions 140 x 80 x 58 mm
 160 x 80 x 58 mm
 200 x 85 x 58 mm
 Box 180 X 132 X 60

THERMO Temperature Controllers to manage Heat Distribution of heating plants

GLT300



3 Inputs 3 Low voltage

6 Outputs 4 on/off
 2 PWM

Dimensions 3 module inbox

Clima600



6 Inputs 6 Low voltage

8 Outputs 6 on/off
 2 PWM

Dimensions 3 module inbox

PLUS Accessories, components and correlated products

THERMOCOUPLE

CODE

- **OSEN2TE000209** 4x40 L=0,80 mt
- **OSEN2TE000208** 4x40 L=1,20 mt
- **OSEN2TE000213** 4x40 L=2,00 mt
- **OSEN1AN001219** 6x100 L=3,00 mt



CODE

- **OSEN2TE000207** 3x300 L=1,50 mt
- **OSEN2TE000214** 3x300 L=2,50 mt
- **OSEN2TE000205** 3x300 L=3,50 mt
- **OSEN2TE000100** 6x60 L=1,50 m
- **OSEN2TE000200** 6x60 L=2,50 mt
- **OSEN2TE000204** 6x60 L=3,50 mt
- **OSEN2TE000201** 6x100 L 1,50 m



AMBIENT PROBES

CODE

- **OSEN1AN000901** 5x30 mm L=0,85 mt
- **OSEN1AN001001** 5x30 mm L=2,00 mt
- **OSEN1AN001214** 5x30 mm L=3,00 mt
- **OSEN305000501** 6x40 L=0,80 mt
- **OSEN305000401** 6x40 L=1,20 mt
- **OSEN305000100** 6x50 L=2,00 mt
- **OSEN305001103** 6 x40 L=2,30 mt
- **OSEN305001102** 6x120 L=3,00 mt



WATER PROBES

CODE

- **OSEN1AN001209** 6x30mm L=0,80 mt
- **OSEN1AN001201** 6x30 L=2,00 mt
- **OSEN305001106** 6x50 L=3,00 mt



CLIMATIC PROBE

CODE

- **OSEN1AN001210** NTC10K



This climatic probe includes a durable weather-proof case built to withstand the worst climate scenarios.

AIR FLOW SENSOR

CODE

- **PACCS11000001** 4x40 L=1,10 mt



Designed and developed by Tiemme elettronica this air flow sensor is used to maintain optimal primary air flow.

WATER PRESSURE SENSOR

CODE

- **PACCS05000001** L=1,10 mt



ETX Hall Effect sensor
Pressure Range 0-3 bar
Burst Pressure higher than 10 bar
Temperature range 0-85°C

DIFFERENTIAL AIR PRESSURE SENSOR

CODE

- **PACCS05000002** L=1,10 mt



Capable of sensing ultra fine changes in air pressure it is designed to provide optimum control of combustion in biomass boilers and stoves

PLUS Accessories, components and correlated products

PELLET SENSOR

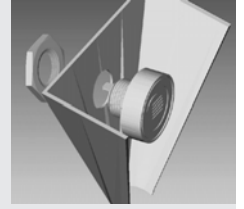
CODE

- **PACCS10000002** 1,10 mt
- **PACCS10000001** 2,00 mt



BioSensor is designed to work in sensing applications where high reliability is required.

It is resistant to the common factors that have strong influence in the pellet level measurement applications.



IGNITERS 24V

CODE

- **ORESRB000003** 120 W
- **ORESRB000006** 140 W
- **ORESRB000005** 150W



For the quickest ignitions and the longest useful lifespan the quartz igniter is in a league of its own, furthermore it is completely exempt from humidity issues that plague its closest rival the ceramic kind.

SAFETY THERMOSTAT

CODE

- **OSEN1EL001305** 95°C Cap. 0,50 mt
- **OSEN1EL001307** 95°C Cap. 0,80 mt
- **OSEN1EL001304** 90÷110°C L=1,50 mt



BIMETALLIC THERMOSTAT

CODE

- **OSEN303000504** 80°C
- **OSEN303000501** 100°C



EXHAUST FAN

CODE

- **OVENC01000001** aluminum housing included
- **OVENC01000002** aluminum without housing



HEATING CENTRIFUGAL FAN

CODE

- **OVENC01000004** 220 m3/h
- **OVENC01000006** 230 m3/h
- **OVENC01000003** 400 m3/h



GEAR MOTOR

CODE

- **OSER301000002** Gear Motor 2,0 RPM
- **OSER301000003** Gear Motor 4,0 RPM



PLUG

CODE

- **PACC203000013** Module Plug 04
- **PACC203000014** Module Plug 05



SOFT-TOOL Accessories, components and correlated products

4HEAT

CODE

- **PACCC02000007** Smartphone App customizable



Smartphone user interface.
The APP is downloadable from Play Store and iOS.



4HEAT MODULE

CODE

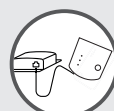
- **PACCC02000007** 4HEAT WI-FI Internet Remote Control



Hardware device that interfaces any TiEmme elettronica control-board with the local wifi router. Smart first configuration



Download the app



Connect 4Heat Module



Connect your smartphone



Manage your heating

USB PROGRAMMER

CODE

- **PSYSU01000001**



KEY PRO

CODE

- **PSYSU02000001**



SYSTEM PRO

CODE

- **PACCS05000002**



The remote assistance service and the management of all the system parameters is guaranteed by using the software for communication with control board.

See our video tutorial on:
<https://www.youtube.com/user/tiemmeelettronica/>



TE.MA

CODE

- **PSYSV01000005** TeMa.FULL.Visual
- **PSYSV01000003** TeMa.FULL
- **PSYSV01000002** TeMa.Visual
- **PSYSV01000001** TeMa.Basic



Testing device for 19" Rack Functional testing with electrical safety tests in compliance to standard EN60335. Functional checks to test the inputs and the loads connected to the control board. Possibility to run tests on two different production lines. Testing customization for each operator. Chronological database to track all performed tests. Identification of the tested products with code and serial number.

PRE-COMPLIANCE



- Our laboratories are equipped with tools to perform:
- Thermal mapping
- Emissions analysis
- Estimate of global thermal efficiency
- Example of Test Procedure
- Setup of the test station
- Execution of the standard type tests
- Processing of data and emission test report
- Issuing certification Tiemme elettronica

In the Test Procedure use this instruments:

- Gas analyzer;
- Thermal mapping with thermocouples;
- Cart hydraulic with flow meter for hydro products
- System of data acquisition and data processing
- Flues normalized
- Scales for analysis of consumption

