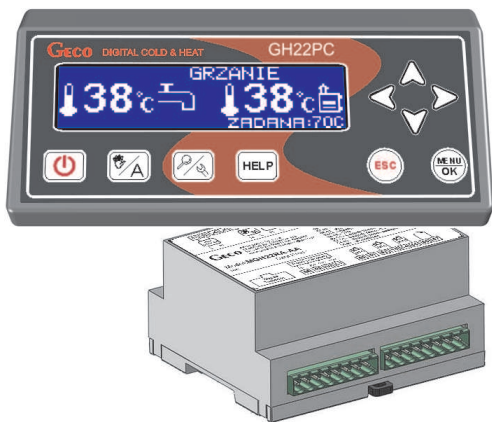


The regulator for air heating stove with pellet feeder

GH22PC



APPLICATION

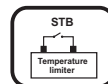
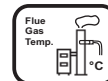
The GH22PC is a controller for air heating stove with pellet feeder. It feeds fuel precisely and controls air flow into the process of burning.

Stove with built-in GECO automatic enables stable control of the room temperature while effective burning a fuel and controlling the operation of the heating system.

Automatic supervision on stove and proper work of the combustion process is regulated by an exhaust gas sensor and a room sensor.

PROPERTIES

- Functional visualisation of casing and large readable graphic LCD display
- Two module construction (module + panel) enable assembly inside boiler construction.
- Operation lighter to support ignition process pellet.
- Possible to measure flue gas temperature (PT 1000)
- Anit-stagnation protection for the executive devices - ANTI STOP function
- Automatic mode regulation which adjust fan rotation to individual stove dynamics.
- Controlling the temperature in the room with the possibility of settlement.
- Automatic ignition mode against extinguished.
- Possible to use temperature limiter STB for safety reason
- Sound and text alarm signals.
- Many language versions in the MENU.
- Boiler operational parameters archiving function, among others alarm controller record.
- Possibility of selecting type of controller regulation: STANDARD, GRATE MODE.



INSTALATION ON THE BOILER

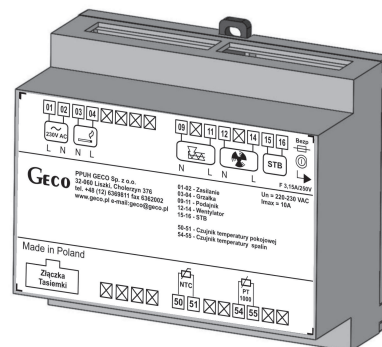
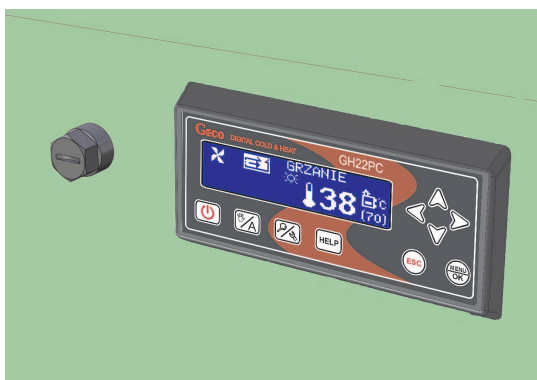
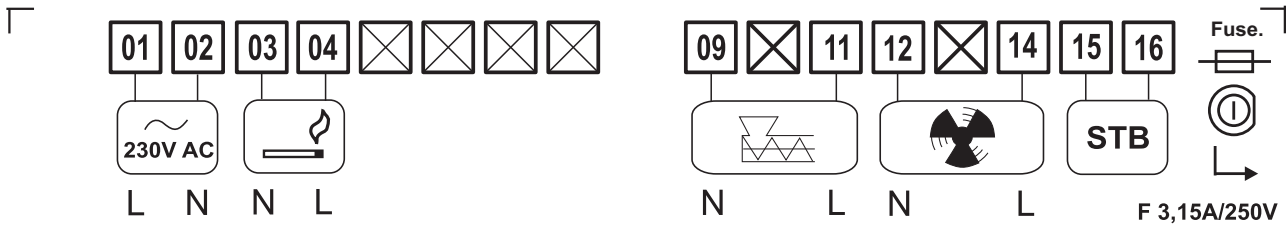


DIAGRAM OF CONNECTIONS

Diagram of electric connections

Output				Input					
01	N	Power supply 230V	09	N	Feeder	50,51	Boiler temperature sensor	15	Temp. limiter (STB)
02	L	Power supply 230V	11	L	Feeder			16	Temp. limiter (STB)
03	N	Lighter	12	N	Fan	54,55	Flue gas temp. sensor		
04	L	Lighter	14	L	Fan				



GECO

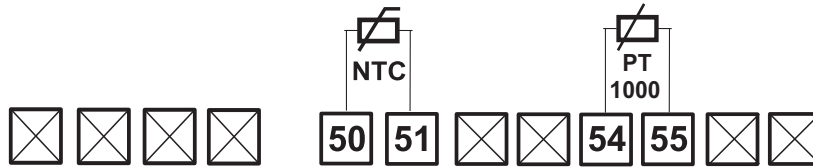
PPUH GECO Sp. z o.o.
32-060 Liszki, Cholerzyn 376
tel. +48 (12) 6369811 fax 6362002
www.geco.pl e-mail:geco@geco.pl

01-02 - Power
03-04 - Lighter
09-11 - Feeder
12-14 - Fan
15-16 - STB

Un=250V, 50Hz
Imax=10A

50-51 - Room temperature sensor
54-55 - Flue gas temp. sensor

Made in Poland



TECHNICAL DATA

Power supply voltage	230V AC +10%/-15%
Fan and feeder protection	3,15A
Working temperature	od +5°C do +40°C
Relative humidity	20% + 80% RH
Sensor type	NTC - range: od 0°C do +100°C PT1000 - ran.: od 0°C do +750°C

Output	Constatnt load	
Fan	1A	250W
Burner feeder	1A	250W
Lighter	1A	250W

Temp. sensor (NTC) 2,2 kΩ		
°C	Ω	
0	7174,89	
10	4374,83	
20	2747,10	
30	1774,91	
40	1172,09	
50	795,08	
60	547,95	
70	384,62	
80	275,86	
90	202,37	
100	149,16	

Temp. sensor. (PT1000)		
°C	Ω	
0	1000,00	
50	1194,00	
100	1385,10	
150	1573,30	
200	1758,60	
250	1941,00	
300	2120,50	
350	2297,20	
400	2470,90	
450	2641,80	
500	2809,80	
550	2974,90	
600	3137,10	
650	3296,40	
700	3452,80	
750	3606,40	

GH21PC equipment	
Standard equipment:	
1) boiler temperature sensor	
2) flue gas temperature	
Optional equipment:	
1) supplying wire	
2) temperature limiter STB	
Controls:	
1) fan	
2) lighter	
3) burner feeder	