

Main settings of Hot air pellet stove “PS 9 Pony”

Entering the Settings Menu

1. Press button **3 (SET)**! On the display you will see: **PEnu 01**
2. Using **buttons 5** and **6** flip through the menu until reaching:
PEnu 09
SETTINGS
TECHNIC
Then press button **3 (SET)**!
3. With **buttons 1** and **2** enter password **A9** and confirm with pressing button **3 (SET)**! On the display you will see:
П-9-1
TYPE
PELLET
4. Using **buttons 5** and **6** flip through the menu until reaching:
П-9-7
SETTINGS
FACTORY
5. Press button **3 (SET)**! On the display you will see:
16
П-9-7-01
MINUTES
TIME-OUT
This is **parameter 1**. With **buttons 5** и **6** flip through the parameters. With **buttons 1** and **2** change their values.
Once you are ready, confirm with **button 3 (SET)**. To go to back to the previous menu press **button 4**!

Reading and deleting (cleaning) of alarm messages

If you see on the display an alarm message, you can delete it with pressing of **button 4** for a long time!
Alarm messages can be read from the following menu:

П-9-A
MEMORY
COUNTERS

Alarm messages can be deleted (cleaned) from the following menu:

П-9-9
RESET
ALARM

The password is: **55**

Some of the parameters you can find in the following menu:

П-9-5
SETTINGS
GENERAL

IMPORTANT:

Do not change any other parameters except those which are specified in the table attached! This can lead to serious problems!

This information is written only for technicians who are authorized by ERATO to install and maintain ERATO biomass facilities. Any illegal use will void the warranty!

Appendix A : Parameters of “PS 9 Pony”

Parameter	Submenu	Description	Unit	Field of limit values	0	1
Pr01	П-9-7-01	Maximum cycle time of ignition	second	5-25	20	16'
Pr02	П-9-7-02	Time for starting	minute	2-12	5	3'
Pr03	П-9-7-03	Interval between two cleanings of the furnace	minute	3-240	180	20'
Pr04	П-9-7-04	Time ON of auger engine in the ignition phase	second	0,1-4	0,8	1,3"
Pr05	П-9-7-05	Time ON of auger engine in the starting phase	second	0,1-4	1	1,8"
Pr06	П-9-7-06	Time ON of auger engine in the working phase with power 1	second	0,1-4	1	1"
Pr07	П-9-7-07	Time ON of auger engine in the working phase with power 2	second	0,1-4	1,4	1,2"
Pr08	П-9-7-08	Time ON of auger engine in the working phase with power 3	second	0,1-4	1,8	1,4"
Pr09	П-9-7-09	Time ON of auger engine in the working phase with power 4	second	0,1-4	2,2	1,7"
Pr10	П-9-7-10	Time ON of auger engine in the working phase with power 5	second	0,1-4	2,8	2,2"
Pr11	П-9-7-11	Alarm delay	second	20-90	30	30"
Pr12	П-9-7-12	Duration of furnace cleaning	second	0-120	20	60"
Pr13	П-9-7-13	Minimum temperature of the smoke so that the fireplace to be considered as a working	°C	40-180	50	65
Pr14	П-9-7-14	Temperature of the smoke to switch to mode ECO-MODULA	°C	110-250	210	250
Pr15	П-9-7-15	Threshold temperature of the smoke to be switched on the convector	°C	50-210	80	70
Pr16	П-9-7-16	Speed of smoke suction in ignition phase	rpm	500-2800	1200	2150
Pr17	П-9-7-17	Speed of smoke suction in starting phase	rpm	500-2800	1500	2800
Pr18	П-9-7-18	Speed of smoke suction in working phase with power 1	rpm	500-2800	1000	2000
Pr19	П-9-7-19	Speed of smoke suction in working phase with power 2	rpm	500-2800	1200	2250
Pr20	П-9-7-20	Speed of smoke suction in working phase with power 3	rpm	500-2800	1400	2550

Pr21	П-9-7-21	Speed of smoke suction in working phase with power 4	rpm	500-2800	1600	2670	
Pr22	П-9-7-22	Speed of smoke suction in working phase with power 5	rpm	500-2800	1800	2800	
Pr23	П-9-7-23	Engine speed of convector 1 in the phase of working with power 1	volt	65-225	120	185	
Pr24	П-9-7-24	Engine speed of convector 1 in the phase of working with power 2	volt	65-225	135	190V	
Pr25	П-9-7-25	Engine speed of convector 1 in the phase of working with power 3	volt	65-225	150	205V	
Pr26	П-9-7-26	Engine speed of convector 1 in the phase of working with power 4	volt	65-225	160	225V	
Pr27	П-9-7-27	Engine speed of convector 1 in the phase of working with power 5	volt	65-225	180	225V	
Pr28	П-9-7-28	Threshold of the alarm at maximum temperature	°C	50-180	120	250	
Pr29	П-9-7-29	Speed of the smoke suction in the phase of furnace cleaning	rpm	700-2800	1800	2800	
Pr30	П-9-7-30	Time ON of the auger motor in the phase of cleaning	second	0-4	0,8	1,3"	
Pr31	П-9-7-31	Putting into service	-	0-1	1	off	
Pr32	П-9-7-32	Time for stopping the auger	second	0-05	0,2	0,2"	
Pr33	П-9-7-33	Threshold of activation of the pump	°C	20-70	50	30"	
Pr34	П-9-7-34	Ability of the pressure transducer	-	0-1	1	100"	
Pr35	П-9-5-35	Threshold of water pressure	bar	1,5-3	2,5		
Pr36	П-9-5-01	Blocking of re-ignition	minute	0-10	5	3'	
Pr39	П-9-5-02	Time for suspension of smoke suction	second	0-20	10	5'	
Pr40	П-9-5-03	Time for pre-loading at ignition	second	0-255	0	80"	
Pr41	П-9-5-04	Standby time after pre-loading	second	0-255	0	110"	
Pr42	П-9-5-05	Speed of smoke suction in the phase of pre-loading	rpm	600-2800	1250	2800	
Pr43	П-9-5-06	Temperature hysteresis ON / OFF in automatic mode	°C	0-30	4	2	
Pr44	П-9-5-07	Delay of switching off in automatic mode	second	0-120	10	5'	
Pr45	П-9-5-08	Delay in power switching	second	0-60	20	40"	
Pr46	П-9-5-09	Ability to command from a distance	-	0-1	0	on	
Pr47	П-9-5-10	Ability to lock the keyboard	-	0-1	0	off	
Pr48	П-9-5-11	Automatic ignition after black-out	second	0-60	0	60"	
Pr49	П-9-5-12	Ability to service hours	-	0-1	0		
Pr50	П-9-5-13	Ability of lambda probe	-	0-1	0		



ERATO PLC
 6300 Haskovo / Bulgaria
 67 Saedinenie Blvd.
 Tel.: +359 38 60 30 00
 Fax: +359 38 60 30 45
 office_haskovo@erato.bg

ERATO PLC
 1592 Sofia / Bulgaria
 10, Nedelcho Bonchev Str.
 Tel.: +359 2 978 39 90
 Fax: +359 2 978 07 44
 office_sofia@erato.bg



www.erato.bg

Pr51	П-9-5-14	Ability of the flux in the entrance	-	0-1	0		
Pr52	П-9-5-15	NOT IN USE	-	0-1	0		
Pr53	П-9-5-16	NOT IN USE	-	0-1	0		
Pr56	П-9-4-01	Ability of fans for channeling	-	0-1	0		
Pr57	П-9-4-02	Speed of convector 2 at power 1 (*)	volt	65-225	160		
Pr58	П-9-4-03	Speed of convector 2 at power 2 (*)	volt	65-225	110		
Pr59	П-9-4-04	Speed of convector 2 at power 3 (*)	volt	65-225	125		
Pr60	П-9-4-05	Speed of convector 2 at power 4 (*)	volt	65-225	150		
Pr61	П-9-4-06	Speed of convector 2 at power 5 (*)	volt	65-225	170		
Pr62	П-9-4-07	Speed of convector 3 at power 1 (*)	volt	65-225	100		
Pr63	П-9-4-08	Speed of convector 3 at power 2 (*)	volt	65-225	110		
Pr64	П-9-4-09	Speed of convector 3 at power 3 (*)	volt	65-225	125		
Pr65	П-9-4-10	Speed of convector 3 at power 4 (*)	volt	65-225	150		
Pr66	П-9-4-11	Speed of convector 3 at power 5 (*)	volt	65-225	170		

ALARMS

AL5	No ignition for period of time at parameter П-9-7-01	
AL2	Flue gas probe reported as incorrect or not working	

ERATO Service Team
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