TRIANCO

GREENFLAME
BIOMASS BOILERS

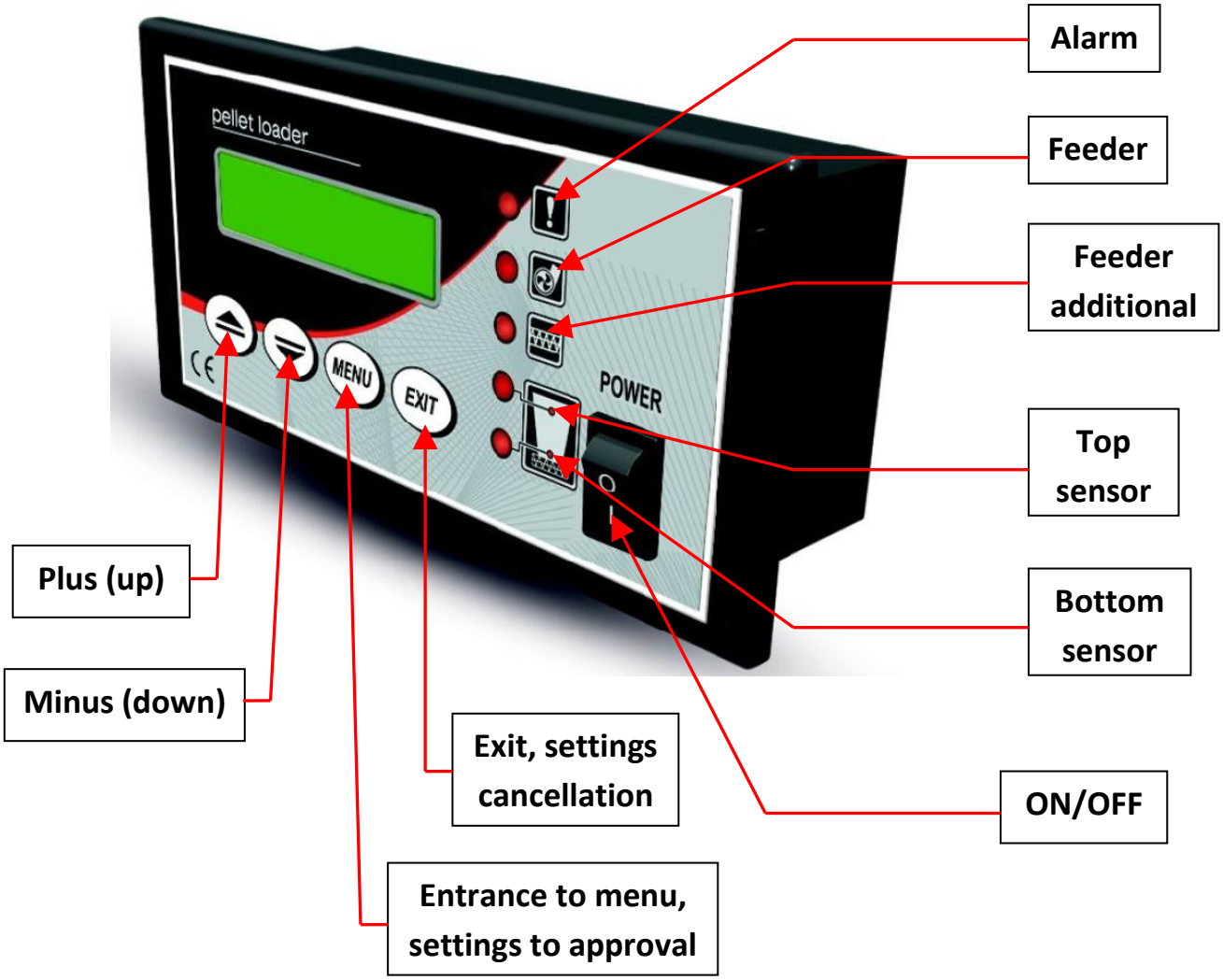
Vacuum System

Pellet Loader
User Manual

Please read these instructions carefully before installing and operating this appliance

TO BE RETAINED BY HOUSEHOLDER

Description



Controller functions

Main page

The main page is shown in the LCD display during normal operation with the following data displayed on it.

- Current time
- Feeder current (mA)
- Icon "(" (if the night mode is active)

By pressing the **MENU** button the sub-menu is entered or the selected option is activated. Press the **EXIT** button to exit the menu or cancel the setting.

Manual operation

The controller is equipped with the Manual Operation mode for user's convenience. When using that function, each unit is turned on/off independently from the others.
By pressing the **MENU** button a motor of the selected unit (feeder, additional feeder or alarm) is activated and stays on until the MENU button is pressed again.

Clock

The user may define the current time by setting the clock. Clock setting is necessary for proper operation.

Day from...

This function is used to define the time when the controller will switch to the day mode.

Night from...

This function is used to define the time when the controller will switch to the night mode. The controller will start the main hopper filling process half an hour before switching to the night mode.

Language

This function is used to select the language version of the controller menu.

System Menu

To access the system menu enter the password 5162.

Low current threshold

To set this, monitor manual operation and when the vacuum store is full, take note of the mA value on the main screen i.e. 7078mA. This needs to be set at 72 x 100mA so that when the value drops below this the vacuum will turn off after the low current time.

Low current time

This should be set at 4s so when the mA value drops below the threshold for 4 seconds the vacuum stops.

Pause time

This should be set at 30s and is the time between cycles of the vacuum (this is when the vacuum store drops its pellets into the main hopper).

Protection time

This should be set at 5 mins so if the vacuum does not turn off after this time an alarm will show (this is usually due to lack of pellet, **Feeder protection**).

Protections

To ensure safe and failure free operation, the controller is equipped with a number of protections. When an alarm occurs the buzzer goes off and a corresponding message appears in the display.

Feeder Protection

Where the auxiliary hopper is not filled for a long period (e.g. due to lack of pellet) the controller will turn the feeder off and an alarm will be activated.

Fuse

The controller is equipped with a 10A fuse to protect the controller.

CAUTION: This must be protected by a 13A fuse from a switched fuse spur.

Maintenance

The pellet loader controller must be checked for any damage to its wires before and during the heating season. You should also check the mounting of the controller, clean it of dust and other contamination.

Technical Data

Specification	Unit	
Power supply	V	230V 50Hz ± 10
Max Power consumption	W	2000
Ambient temperature	°C	5÷50
Feeder output load	A	7
Feeder additional output load	A	1
Fuse insert	A	10

Assembly

NOTE: Installation should be performed by a fully qualified engineer. DO not install the unit with the power on (make sure that the plug is disconnected from the main supply).
NOTE: Incorrect wiring may damage the controller.
The controller cannot be operated in a closed central heating system. The installation must include safety valves, pressure valves and an equalising tank to protect the boiler from water boiling in the central heating system.

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T R Engineering Limited's policy is one of continuous research and development. This may necessitate alterations to this specification.

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