

Fumis ALPHA

SUPERIOR COMBUSTION CONTROL TECHNOLOGY

for stoves, burners and low power boilers with state-of-the-art Flow Control.



Key benefits:

MAXIMUM USER COMFORT

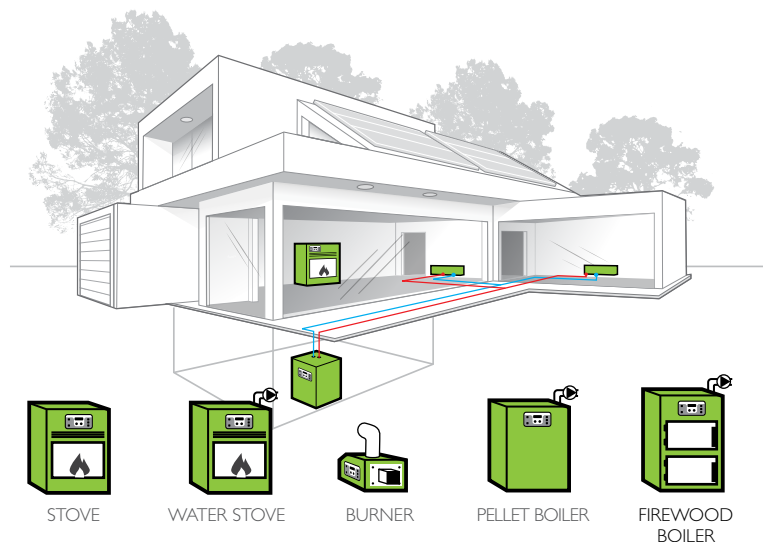
- 100 % operating autonomy
- Prediction of remaining operating hours and biomass level control
- Effective user communication via intuitive touch screen interface
- Visually attractive, ergonomic design

ECO FRIENDLY

- Lower fuel consumption
- Lower CO emissions
- Lower particle emissions

COST EFFICIENT

- Lower fuel consumption due to higher efficiency
- Lower heating cost due to optimum combustion in all operating conditions



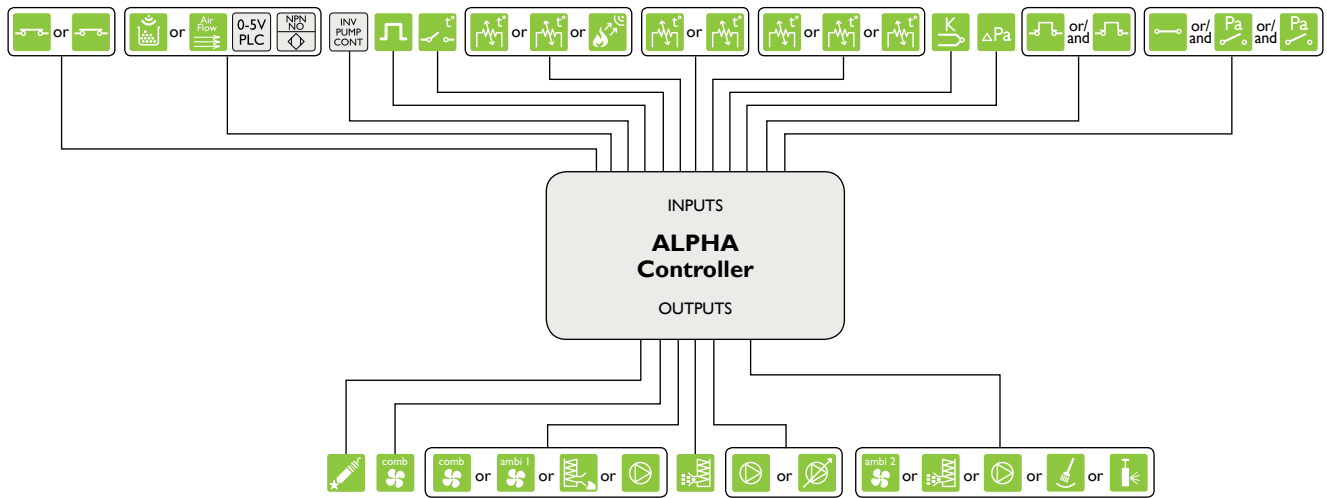
Product Overview:

FUMIS ALPHA is a superior solution for combustion control of stoves, burners and low power boilers.

Its distinctive, user friendly design, unique autonomy prediction and customization options help stove manufacturers differentiate their products from competition.

The use of Flow-Control combustion control make devices with FUMIS ALPHA more efficient, saving fuel and diminishing emissions. With Flow-Control the device operates at optimum efficiency regardless the fuel quality and installation conditions (the actual chimney draught) without fine-tuning at installation.

FUMIS ALPHA controller helps customers decrease combustion device production, R&D, logistics and installation costs with its 12 pre-programmed configurations and easy-to-mount features.



Configurations:

- | | |
|--|--|
| 1 Basic Pellet Stove | 8 Basic Pellet Burner |
| 2 Pellet Stove with 2nd Ambient Fan | 9 Pellet Burner with water pump management and compressed air cleaning |
| 3 Water Stove with automatic chamber cleaning | 10 Basic Firewood Boiler |
| 4 Basic Pellet Boiler | 11 Combined Boiler (Firewood/pellets) with automatic chamber cleaning |
| 5 Pellet Boiler with automatic chamber cleaning | 12 Firewood boiler with back water management |
| 6 Pellet Boiler with Back Water management | |
| 7 Pellet Boiler with automatic combustion chamber and ash extraction | |

Options:

- LevelTronic – pellet level sensor for total control of pellet reservoirs
- InfraRed remote control
- G2RCU – gateway for mobile and web remote control



	ALPHA 60	ALPHA 65
Description:	Biomass combustion control electronics	Biomass combustion control electronics With air FLOW control
Technical characteristics:	• 5 multifunction triac outputs 240 VAC 1A • 1 relay output 240 VAC 3A (700W) • 1 modulated water pump output 10V 15mA • 2 multifunction inputs NTC 10kOHM (water/air temperature sensors) • 2 thermocouple inputs type K (flue gas temperature sensors) • 1 multifunction temperature input (NTC 10k flame presence sensor) • 2 multifunction sensor inputs (fan speed and pellet level sensor) • 2 multifunction digital inputs (external thermostat, open door) 240 VAC 500 uA • 2 safety inputs (safety temperature switch – STB, pressure safety switch) 240VAC 500 uA • RJ45 connector for serial communication	
Functionalities:	Weekly programme • serial communication port • As ALPHA 60 but with air FLOW CONTROL “Fire-memory” • autonomy indication • combined fuel operation firewood/pellets • water pump control (ON/OFF or modulated)	
User interface:	LED display with touch screen keyboard	
Power supply:	230 VAC, 50-60 Hz	
Dimensions: (length x width x height mm)	Controller: 134 x 100 x 38, Controller in plastic BOX: 170 x 108 x 43 User interface: 120 x 63 x 16	
Mounting:	Controller: on plastic stand-offs or in plastic box User interface: panel mount	

DISCLAIMER: "Information contained in this publication regarding device applications and the like is provided only for your convenience and may be superseded by updates. It is your responsibility to ensure that your application meets with your specifications. Atech makes no representation or warranties of any kind whether express or implied, written or oral, statutory or otherwise, related to the information, including but not limited to its condition, quality, performance, merchantability or fitness for purpose. Atech disclaims all liability arising from this information and its use. No licenses are conveyed, implicitly or otherwise, under any Atech intellectual property rights."