

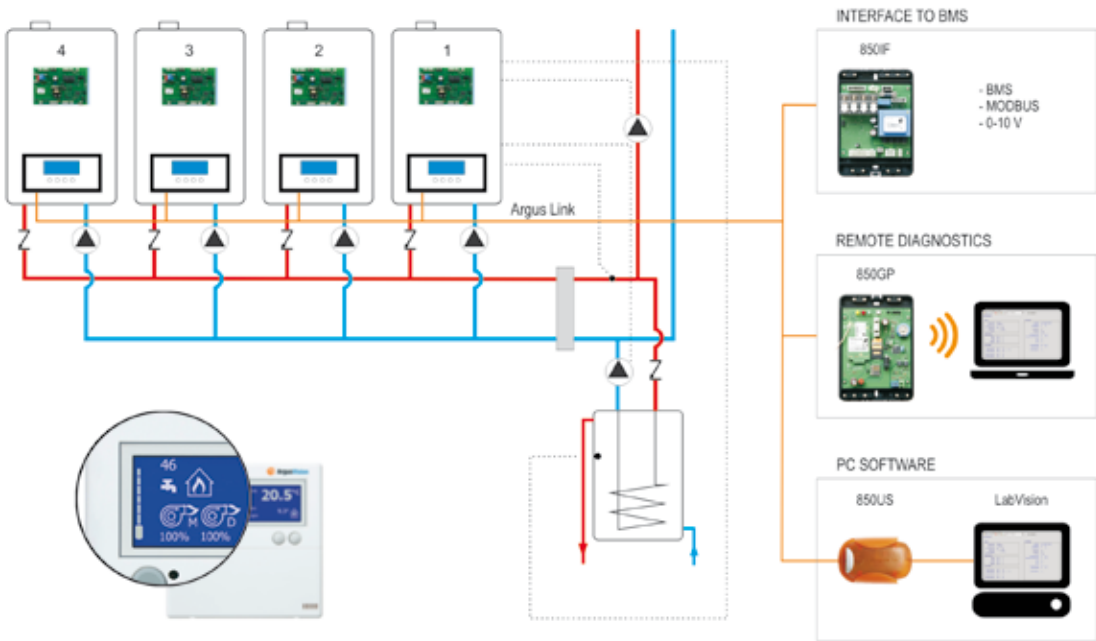
Burner Controls

In co-operation with the Dutch electronic control unit specialist Argus Vision B.V., we also offer our customers a control element for their gas heaters from a single source. Argus Vision already has 20 years of experience in developing burner controls to look back on and also has the required expertise for mastering the current challenges in condensing boiler technology. In modulating condensing boilers, the link between mechanical components and the electronic drive has to be co-ordinated with a high-degree of precision in order to achieve optimum combustion behaviour. Argus Vision earned a reputation for the highest innovative strength and quality in electronic monitoring for gas-fires heating systems.

Argus Vision supplies the electronics for controlling ignition, performance regulation and monitoring the function of the condensing boiler as well as a user input interface with various displays for conveniently controlling central heating and DHW. The burner control can also be used in combination with other modules and provide control with a system regulation, for example a cascade operation.

The standard platform, consisting of tried-and-tested hardware and software, enables reliable operating performance and short development cycles. The versatile software architecture enables customer-specific interfaces to be integrated with ease. In addition, as with our blowers, we value having the lowest possible energy consumption.

System in operation



Trio/Multiple Trio Application



Markets and application areas

Gas fired combi-boilers, commercial gas boilers, air heaters, direct fired water heaters, indirect fired water heaters, gas stoves, catering equipment such as fryers and mCHP.

Service tools

LabVision computer software for communication between computer and burner control.

Burner Control Units



- **Function:** To control central heating, DHW, cascade operation, multiple burners (trio and multiple trio). No additional controller needed
- **Application:** Domestic (combi) boilers, commercial boilers, water heaters
- **Connections:** Supports a wide range of in- and outputs for sensors, valves, ignition, pumps, etc.
- **Support:** LabVision PC Software, to configure hard- and software functions, remote diagnostics, logging and graphs

Nominal data	Power supply	Frequency	Dimensions housing l x w x h	Safety time	Ignition attempts	Weight	On Board User Interface	Event history (error & lockout)	Argus Link	LabVision Diagnostics Software
Unit	VAC	Hz	mm	Sec.		gram				
850MN	230	40-70	212 x 152 x 46	6	3	530	No	15 + 15	x	x
850MN	120	40-70	212 x 152 x 46	6	3	530	No	15 + 15	x	x
900MN	230	40-70	212 x 152 x 49	6	3	512	Yes	15 + 15	x	x

Features

- Low standby power consumption and class A modulating pump control
- Insensitivity of mains supply for a reliable operation
- Thermostat options: Switched Live, OT-interface or 24V
- Connect controls with each other via Argus Link (2-wire communication interface)
- Wide choice of control modules for hybrid heating applications and systems within a building or house
- Easy interfacing with Building Management Systems, for example via ModBUS

900MN Burner Control				

850MN Burner Control				