Logamatic 4000 Series Modular Control Systems

Buderus

Bosch Group





Integrated System Controllers for Greater Efficiency and Flexibility

Modular Design with Functional Control Modules

Factory Pre-Programmed for Outdoor Reset

- Manual/Automatic Operation of all Outputs
- Operation of Multiple Boilers, System & Zone Pumps and 2, 3 & 4-Way Mixing Valves
- Complete Self Diagnostics & Programming
- Remote 0-10 Volt Control Input for Burner, Pump and Set Point Adjustment

Comfortable. Efficient. Intelligent Heating.

Logamatic 4000 Series Modular Control Systems

Invest in the future: 4000 Series controls, the function of a BMS system at a fraction of the cost.

The Buderus 4000 series of controllers provides a wide range of control options for single and multi-boiler systems. The 4000 series can control virtually any Buderus heating system, whether an 8 boiler cascade or up to 3 commercial forced draft boilers and burners.

4000 series control units	4321	4323
Boilers and forced draft burners	•	_
Serial/Parallel Operation	•	•
Condensing boilers with EMS control system	•	•
Gas/oil burner, one/two step /modulating	•	-
Available module plug-in points	4	4
Heating circuits with mixers (max. possible)	8	8
Domestic hot water heating	•	•
Cascade systems	•	•*
0-10 Volt Input for Burner, Pump and Set Point Adjustment	•	•

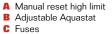
*Only with modulating burners with EMS boilers

The Logamatic 4321 control (master)

(secondary) allows hybrid systems with G315/515/615 Cast Iron and SB615/735 Condensing Boilers. The FM458 module controls Load/Time/ Remote Input Staging for up to 8 On/Off, 4 LHL or full-mod burners.

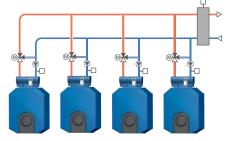
combined with a 4312 control

The Logamatic 4000 allows for complete system customizing with a variety of specialized modules. The MEC2, which is a user interface, features self diagnostics and system programming.



- Connection for external
- service devices
- E Manual override
- F On/Off switch
- G ZM434 Module
- MEC2 Control Unit
- Optional module
- J Cover
- K Available module slots





A single 4323 Logamatic control is used for Multiple GB142 & GB312 EMS Boilers

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Module Functions





FM441 Heating Zone, DHW Tank Zone and DHW Recirculation Pumps

FM442 2 Mixed Heating Zones with independent programmability



FM443 Solar Panel System Control of 2 independent temperature Storage Tanks



FM445 Heat Exchanger Control with outputs for 3 pumps and mixing valve



FM458 Controls 4 boilers/power burners, lead-lag or rotation, load limit, serial or parallel operation, 0–10V input and output for EMS and power burner



FM456 2 boiler staging/rotation, reset, system pump control, 0–10V setpoint/load input



FM448 Interface Module for remote setpoint, 0–10V/0–20mA setpoint output



FM457 4 boiler staging/rotation, reset, system pump control, 0–10V setpoint/load input

