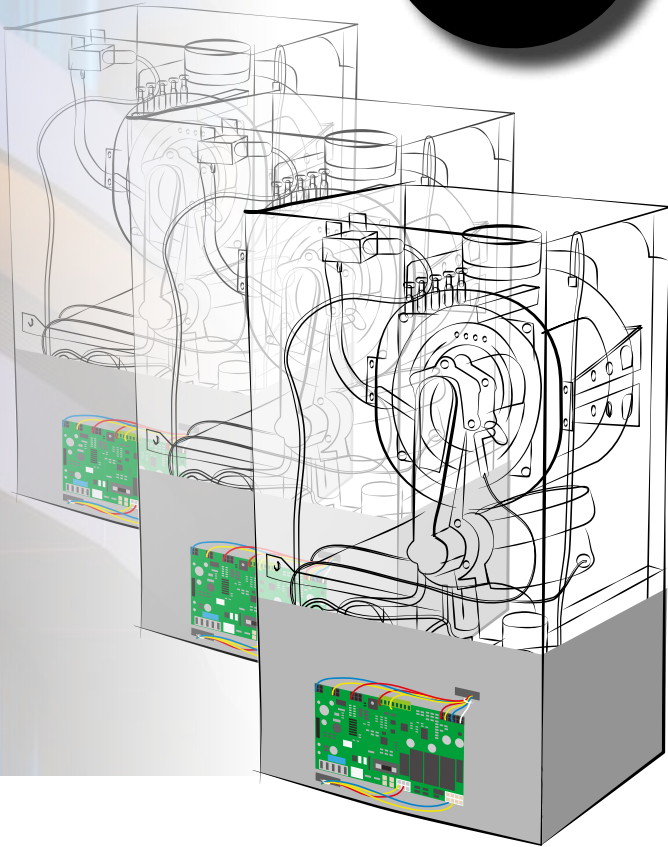


# POWER "SERIES" SYSTEM CONTROL UNIT

**NORDGAS**  
Electronic Control Technologies

## ELECTRONIC CONTROL SYSTEM

POWER  
10 to 1000 kW  
34.000  
to 3.400.000  
BTU/hr



Electronic Management System  
for high capacity hot water  
generators/hydronic boilers



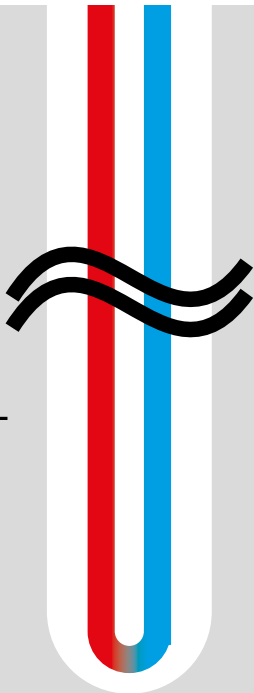
High safety standards  
(CE & CSA approved)



**WEATHER-  
COMPENSATING  
CONTROL**



**SOLAR PANELS**



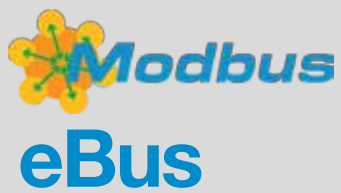
**GEOHERMAL  
SYSTEM**

**BURNER  
CONTROL  
FOR SINGLE  
OR MULTIPLE-  
BOILER  
SYSTEMS**





**MODBUS & EbUS  
COMMUNICATION PROTOCOLS**



**BOILER  
MODULATING  
PUMPS**



## POWER MANAGEMENT SYSTEM FOR BOILER OEMS:

- Burner control - Single or multiple-boiler systems up to 8 burners (Flame Safeguard & Combustion Control functions)
- Firing Rate and Air-Fuel ratio controller
- Universal supply input 85...265 Vac
- Fit to be enclosed in a 9-units DIN rail box
- Integrated, communications protocols (Local eBUS, RS485, ModBUS)
- Input sensors (NTC & PT1000)
- Input control signals (0...10V)
- Alarm signals
- Outputs (Relay & Dry contact)
- Output for modulating pump controls (0...10V)
- Heating plant direct or mixed water system
- Domestic Hot Water (DHW) storage tank control with or without thermal solar panel control integration
- Integrated renewable heating-source system
- Expandable, up to 4 controllers can be inter-connected in order to increase multiple-source systems

## USER-INTERFACE DEVICE

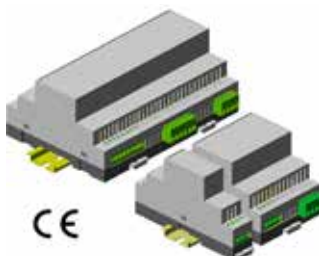
- Human-Machine Interface (HMI) and time-based programmer provides burner control & boiler system management
- 4.3" TFT touch screen HMI
- Enclosed in a IEC 61554 plastic box (144mm Wx 96mm H)
- Time-based programmer for up to 12 units
- 5 daily programmable profiles
- 5 DHW daily programmable profiles
- Weather-compensating control (outdoor air temperature sensor)



**TOUCH-SCREEN  
INTERFACE (HMI)**



**EXTERNAL SENSORS**



**DIN RAIL BOX**



**BURNER CONTROL**

**nordgas.it**

Via Giuseppe Parini, 1  
23845 Costa Masnaga (LC) / Italy  
Tel +39 0314121731  
info@nordgas.it