

# ConForm Range

of control platforms for the total management of domestic condensing boilers in Europe



technology factfile

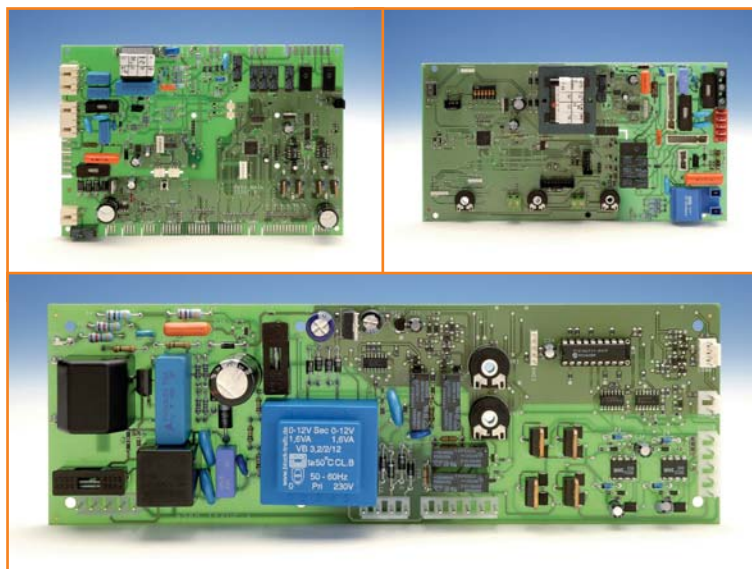
Pactrol has developed a range of control packages specifically aimed at the rapidly growing conventional and condensing boiler markets in Europe and beyond.

In particular, these control platforms offer medium and large scale OEMs the opportunity to select one of three progressive levels of functionality and value, all using the latest proven technology from Pactrol, while providing a faster track to market than more fundamental design approaches.

Although a degree of standardisation is assumed by this approach, there is still considerable scope for OEMs to employ particular control algorithms, through the modification by Pactrol of its software and by making some minor changes to the hardware.

This semi-standard, platform approach also enables an OEM to work with a near final design of control system at an earlier stage in the development of the appliance, leaving Pactrol to concentrate on "fine tuning" the control system, to better match the requirements of the evolving appliance.

A well managed, concurrent approach is key to speeding up the launch of new products and appliances.



## CE Certification

All platforms include a digital full sequence control and meet the requirements of the Gas Appliance Directive, all being certificated to EN 298 : 2003.

Again, any minor changes in design can be accommodated without invoking the delays and costs of a completely new certification process.

## Typical applications

### ConForm A

Ideal for condensing combi, or heating-only boilers with pre-mix gas burners and variable speed 24V fans.  
With optional large LCD end-user interface.

### ConForm B

Ideal for type B or C combi or heating-only boilers, with modulating gas valve.  
With optional large LCD end-user interface.

### ConForm C

Ideal for heating only boilers and other similar appliances with 230V fan modulation. With optional large LCD end-user interface.



## Technical specification

Heating only design, with modulating control for a 230V dc fan  
 No modulation, 2 speed design  
 1 temperature input  
 Basic low cost design  
 Also suitable for non domestic products, fryers, ovens, water heaters etc

Fixed design parameters  
 Size and connector options  
 LCD display  
 We de-populate the board to accommodate spec changes and offer bespoke solutions by modifying the software

**White**  
**Rodgers**

  
**EMERSON**  
 Climate Technologies

To keep abreast of current developments, controls may be subject to change without notice. Such changes may affect the accuracy of information contained in this data-sheet, and the manufacturers advice should be sought if any problems arise.



CONFORM A



## Technical specification

Fully featured

3 temperature inputs (CH, underfloor and DHW – tank or combi)

Solar compatible

Combi, tank or heating only

P bus design allows multiple boiler cascade.

Premix burner with fully modulating 24V dc fan

Computer interface to change parameters

Various sensors, thermostats and compatible with modulating external thermostats

'Open therm' compatibility

Diagnostics package to optimise development with data logging package also available

Fixed design parameters

Size and connector options

LCD display

We de-populate the board to accommodate spec changes and offer bespoke solutions by modifying the software

## Technical specification

Combi or Heating only with 2 temperature inputs

Modulation of the gas valve for Combi appliances

LCD display

PBus design allows multiple boiler cascade

LCD display

Compatible with modulating external thermostats

Fixed design parameters

Size and connector options

LCD display

We de-populate the board to accommodate spec changes and offer bespoke solutions by modifying the software

CONFORM B

