

Data Sheet

PowerControl - All the control you need is inside this unit!

- Single zone to multiple zone control in one unit
- Can read multiple thermocouples per zone
- Auxiliary control elements like vacuum gage can be incorporated
- Plug and operate
- Metal or composites casing
- Meets CE or UL Standards
- Specific design on demand



Basic 1 Zone PowerControl



6-Zone PLC based PowerControl

The **PowerControl ECU** is designed and built to operate **PowerFilm**, **PowerBlanket** and **PowerPanel**. Design options range from a simple single zone design with one thermocouple read to complex PLC driven units with step-up integration running to up to 40 zones for very large surface areas. These units are built to conform to European or UL Standard. These ECU's are available as Standard versions or can be customized to be incorporated into your existing processes. Depending on the application they run from low Voltage (up to 48 V) up to three phase 380V/440V supply.

Our **PowerControl ECU** is so versatile that it meets a large range of applications. Challenge us with your needs. Our technical team is ready to develop with you the right solution at the correct



LaminaHeat provides a convenient plug-and-Play solution for many heating applications in the composite industry.

Data Sheet

PowerControl - All the control you need is inside this unit!

- Single zone to multiple zone control in one unit

- Can read multiple thermocouples per zone

- Auxiliary control elements like vacuum gage can be incorporated

- Plug and operate

- Metal or composites casing

- Meets CE or UL Standards

- Specific design on demand

Data Sheet

March 2015

Performance properties (Standard)

Temperature Range	0 - 250°C	0 - 250°C	0 - 250°C
Control Zones	1	2	4
Thermal Sensors	1 - 2	2 - 4	4 - 8
Ramp-up rate/min	0 - 30 °C	0 - 30 °C	0 - 30 °C

(Optional items)

Vacuum gauge	0 - 30"HG	0 - 30"HG	0 - 30"HG
Pressure gauge	0 - 10 bar	0 - 10 bar	0 - 10 bar
PLC Control	yes	yes	yes

Electrical properties

0 - 250 Vac	yes	yes	yes
3ph 415 V	yes	yes	yes
Power output	up to 25 kW/zone		

For more information:

email: info@laminaheat.com

website: www.laminaheat.com

Disclaimer of Liability

This information is offered solely as a guide in material selection. We believe this information to be reliable, but do not guarantee its applicability to the users process or assume any liability arising out of its use or performance. The user, by accepting the product described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other mat material. LaminaHeat makes no warranty of any kind, express or implied, including those of merchantability and fitness for a specific purpose. Statements of this data sheet shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation.