

➔ ELECTRONIC CONTROLLERS READY FOR INSTALLATION

ERD100	ERD110	ERD200	ERD300
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Proportional integral regulation (PI) - Pilot wire 6 orders

	By pilot wire		
Possibility for remote control			
Temperature selection	With potentiometer	With push button on separate LCD display board	
Display	<ul style="list-style-type: none"> heating with LED 	<ul style="list-style-type: none"> temperature selection mode (comfort, eco, anti-frost, off) heating on separate LCD display board 	
Weekly programs	With IR remote control		With push button on separate LCD display board or IR remote control
Manual mode selection	<ul style="list-style-type: none"> mode (comfort, eco, anti-frost, program / pilot wire) with potentiometer 	<ul style="list-style-type: none"> increase of desired temperature (+) decrease of desired temperature (-) choice of modes (comfort; eco, anti-frost) ON / OFF with 4 push buttons 	
Temperature range	Comfort: 7°C to 30°C / 45°F to 86°F - Eco = Comfort Temperature - 3,5°C / -6.3°F		
Ambient operating T°	-20°C to +60°C / -4°F to 140°F		
Rating	2 500 W	2 000 W	
Max power	230V AC, 50Hz		
Dimensions	Power board: 156 x 41 x 56 mm	<ul style="list-style-type: none"> power board: 151 x 40 x 35 mm command and display board: 80 x 48 x 15 mm 	<ul style="list-style-type: none"> power board: 151 x 40 x 35 mm command and display board: 80 x 48 x 15 mm
Connections	6.3 x 0.8 mm fastons for phase / neutral / pilot wire 2.8 x 0.8 mm fastons for temperature sensor		
Standards	EMC: EN55014-1, EN55014-2, EN61000-3-2, EN61000-3-3 NF performance category C		

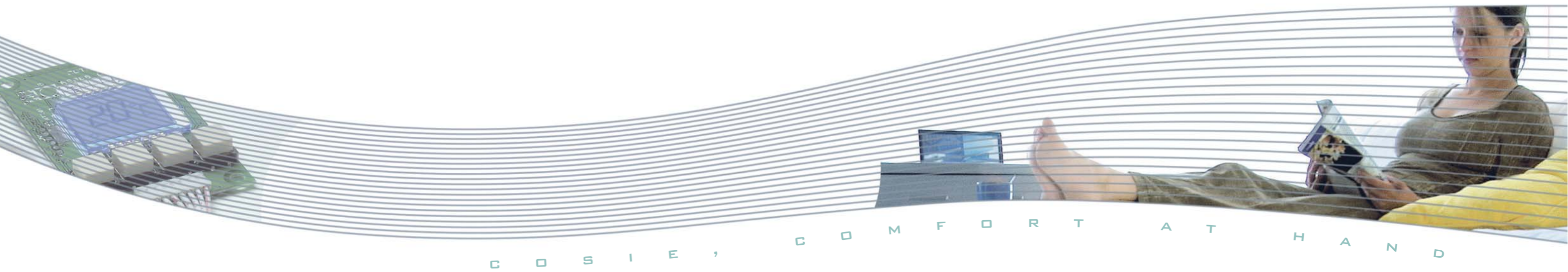
ELECTRIC HEATING ● ● ●

C O S I E , C O M F O R T A T H A N D

cottherm
COMPONENTS ● ● ●

COTHERM reserves the right to bring any modifications to our products. We manufacture products according to drawings which serve as contractual documents. We are not responsible for damage resulting from inappropriate installation or use of our product.

SYNTHESE ECA and BUTTERFLY PROJECT - Tél. 04 78 90 02 73 - Photographs : B. PILIA / J.P. ANGEI - DOCCOMAG03 - 01



●●● COSIE: ELECTRIC HEATING BY COTHERM

➔ **Proposing temperature regulation solutions that are built into your equipment has always been part of COTHERM's know-how.**
For electric heating applications, we have developed a specific product line named COSIE. These standard platforms are the basis for our product offering. We are also able to customize these solutions according to your requirements.

➔ **From customized electronic controllers for your radiator,**
From electronic thermostats which regulate electric radiators or towel dryers, COSIE is first and foremost a range of controllers that are simple to integrate into your equipment.

- Proportional integral regulation - PI.
- Pilot wire 6 orders.

User interfaces vary from potentiometer and LED to LCD with color backlight.

➔ **... to infrared remote controls,**
Sometimes the most adapted solution is the remote programming of individual radiators. Our proposal: to fit each of them with a COTHERM controller which can be programmed with our infrared remote control.

➔ **... and a solution for well conceived renovation.**
The growth of the renovation market, it is necessary to propose simple solutions to your customers. Improving comfort and well being while saving energy and cost is now available to everyone.

- Installation of new electric wiring in the home is avoided: the transmission of information from the remote radiator is achieved through the home power network.
- The remote control is compatible with controllers equipped with a pilot wire connection.

A complete solution includes a simple remote control and separate receiver units. These are wired to the pilot wire connection of each radiator.

- 3 programmable zones without any limit to the number of radiators.
- Weekly programs in 3 modes : comfort, eco, anti-frost.
- 4 possible functions for each zone : program - manual - timer - off.

●●● THE COSIE ADVANTAGE

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- **An answer to the needs of your customers:** simplicity, flexibility and ergonomic design.
 - **Customization:** in all cases, our products can be entirely adapted to your own specifications (radiator characteristics, desired functions).
 - **Competence:** we design products which answer to specific technical requirements imposed by evolving international standards and industry regulations.
 - **Performance:** all products are developed and produced with the latest available technologies on the market.
 - **Quality:** ISO 9001 et 14001.
 - **Continuity:** COTHERM - several decades of established know-how.

➔ REMOTE CONTROLS



	TRD100	TRD200
Communication	Infrared	Home power network
Zoning	For each radiator	Centralized command of multiple zones
Programming	<ul style="list-style-type: none"> • 9 weekly programs to suit individual lifestyles, factory preset • 5 customizable programs • multiple manual mode selection: comfort, eco, anti-frost and off 	<ul style="list-style-type: none"> • 3 weekly zones for the 3 modes (comfort, eco, anti-frost) • multiple manual mode selection: comfort, eco, anti-frost and off
Receiver	Infrared sensor built into the controller	Unit to be wired to both the pilot wire connection of the radiators and the home power network.
Compatibility	ERD100, ERD110, ERD300	All radiators with a pilot wire controller (4 or 6 orders)