eliwell
SYSTEMS

REMOTE
CONTROL
:: **APP** ::

febo
COMFORT HEATING SYSTEM

febo

ELECTRIC HEATING SYSTEM

>> CONTROL & MANAGEMENT

febo is a new **control and management system for electric floor heating** able to satisfy all needs of the installers, from the most common floor surfaces up to the most innovative wall and glass solutions.

>> THERMAL BALANCE

With **febo** COMFORT HEATING SYSTEMS, the temperature control has never been so easy, born to analyze the microclimate of the building, the electric radiant heating system chosen – radiant floor, radiant rings to ceiling or wall, radiant windows – **can guarantee the correct thermal balance and comfort** that no one has ever achieved up to this date.

>> AUTOMATIC COMFORT

febo is a control system **totally automatic** that interfaces with all home automation appliances. It´s **totally invisible**, it doesn´t need any thermostat, therefore there is no need to modify any electric switches that already exist at installation area. It´s an Italian product with excellent components.
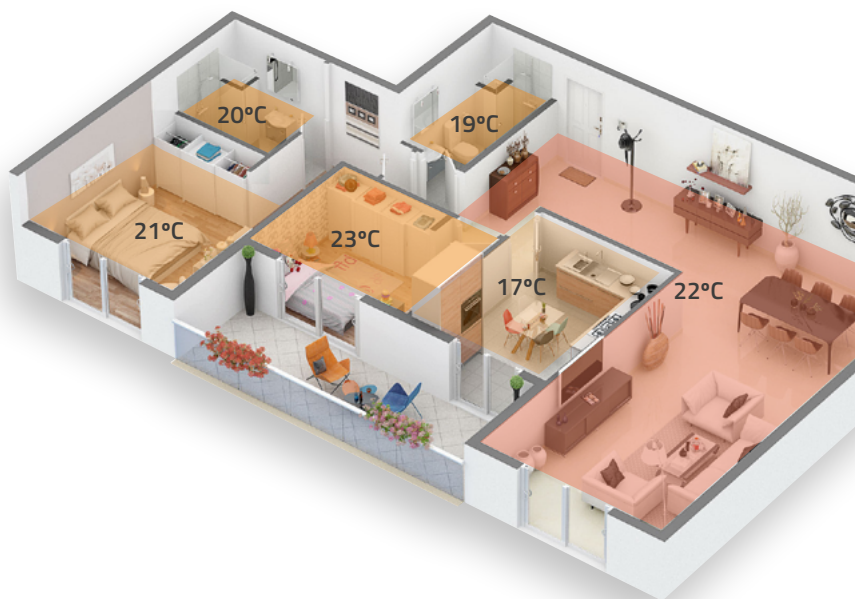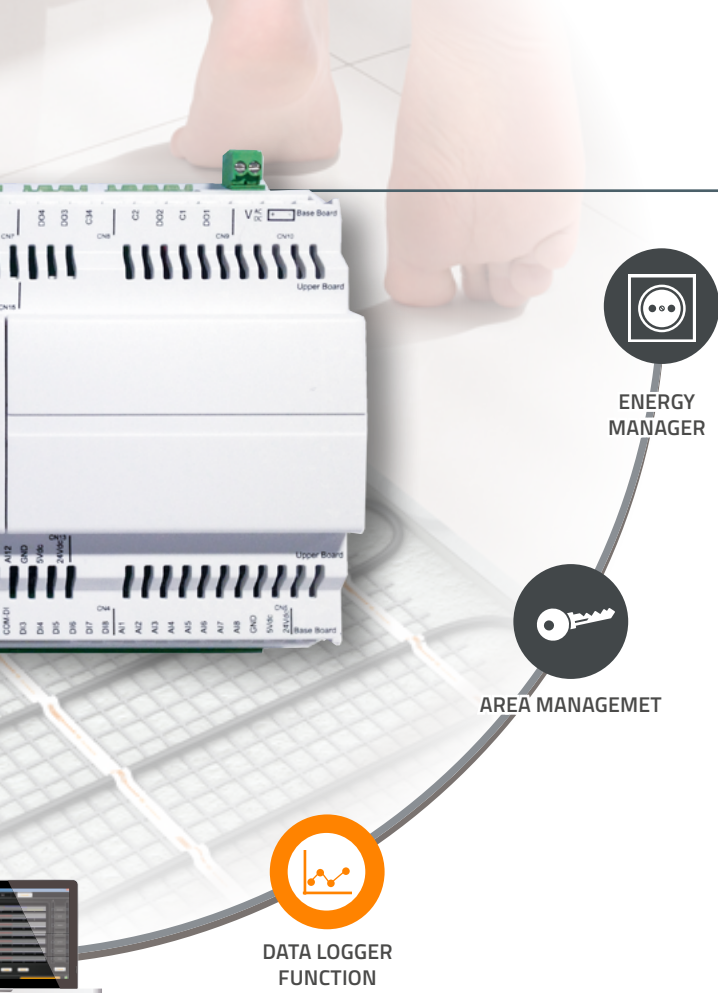
WEB SERVER INTEGRATED

ANDROID APP

SMART THERMOREGULATION

20°C
19°C
21°C
23°C
17°C
22°C

febo

CAN

MANAGE

>> ROOMS
>> OFFICES
>> STORES
>> SCHOOLS
>> SUPERMARKETS

ENERGY MANAGER

AREA MANAGEMET

DATA LOGGER FUNCTION

It is not a simple temperature control, it is a total comfort manager, ensuring the maximum energy savings, able to connect to your house systems without disturbing.

>> CHARACTERISTICS

- **MANAGEMENT**
  - ›› Mixed Control floor and/or glass, with the possibility to choose the type of control for each zone.
  - ›› **Display** in box to modify and adjust the use of the zones.
  - ›› The use of SSR with capacity up to 20/30 Amps to module the power force.
  - ›› Extensions of the I / O of **up to 20 thermal zones.**
  - ›› **Alarm management**, reported on display or through a flashing red light on electric device.

- **TEMPERATURE CONTROL**
  - ›› Smart control with **power modulation** collected in real time.
  - ›› Daily programmable thermostat, with **up to 7 different programs** for each zone.
  - ›› Climatic mode **depending on the outside temperature.**

- **ENERGY MANAGER**
  - ›› Permanent Load control: never unplug it from electrical network.
  - ›› **OPEN WINDOW** function: block on time for each zone.
  - ›› Possibility to **integrate photovoltaic systems**.

- **REMOTE ASSISTANCE: APP & WEB SERVER**
  - ›› App for **remote management for each zone** and a web server to modify each zone's remote.

- **DATA LOGGER**
  - ›› Data Logger function. SD Card on board stores the temperature data and system operation every 5 minutes.
  - ›› The system estimates "real" energy consumption.

›› **HOTELS**
›› **PLACES OF WORSHIP**
›› **MUSEUMS**
›› **INDUSTRIAL BUILDINGS**
›› **GREENHOUSES**

Client interface	Display LCD 128x64 pixel backlit
Power supply	220v ± 10%
Date recording	micro SD
Connectivity	RS485: modbus RTU CANBus: CANopen ETHERNET: BACnet IP (RJ45)
Temperature range	-20.....+60°C
Installation	Wall dimensions 460 x 340 x 162 460 x 448 x 162

*Ambient probe
for box 503*

Item	Code	Description
FEBO KIT		
FEBO 400	FEBOIT4NNSK00	4 zone control
FEBO 600	FEBOIT6NESK00	6 zone control with measure module TE
FEBO 200	FEBOIT2NNSK00	Module for 2 extra zones
FEBO Swichboard		
FEBO 410	FEBOIT4NNSC00	FEBO control 4 zones
FEBO 410 Aero	FEBOIT4NNTC00	FEBO control 4 zones + APP & Tablet
FEBO 620	FEBOIT6NESC00	FEBO control 6 zones
FEBO 620 Aero	FEBOIT6NETC00	FEBO control 6 zones + APP & Tablet
FEBO 820	FEBOIT8NESC00	FEBO control 8 zones
FEBO 820 Aero	FEBOIT8NETC00	FEBO control 8 zones + APP & Tablet
FEBO Optional		
FEBO EWK	FEBOMU0KNSK0	Keyboard EWK for FEBO
FEBO Aero Kit	FEBOIT8NETC00	FEBO control 8 zones + APP & Tablet
FEBO Probe	TEWCOM3040163	Ambient probe for box 503

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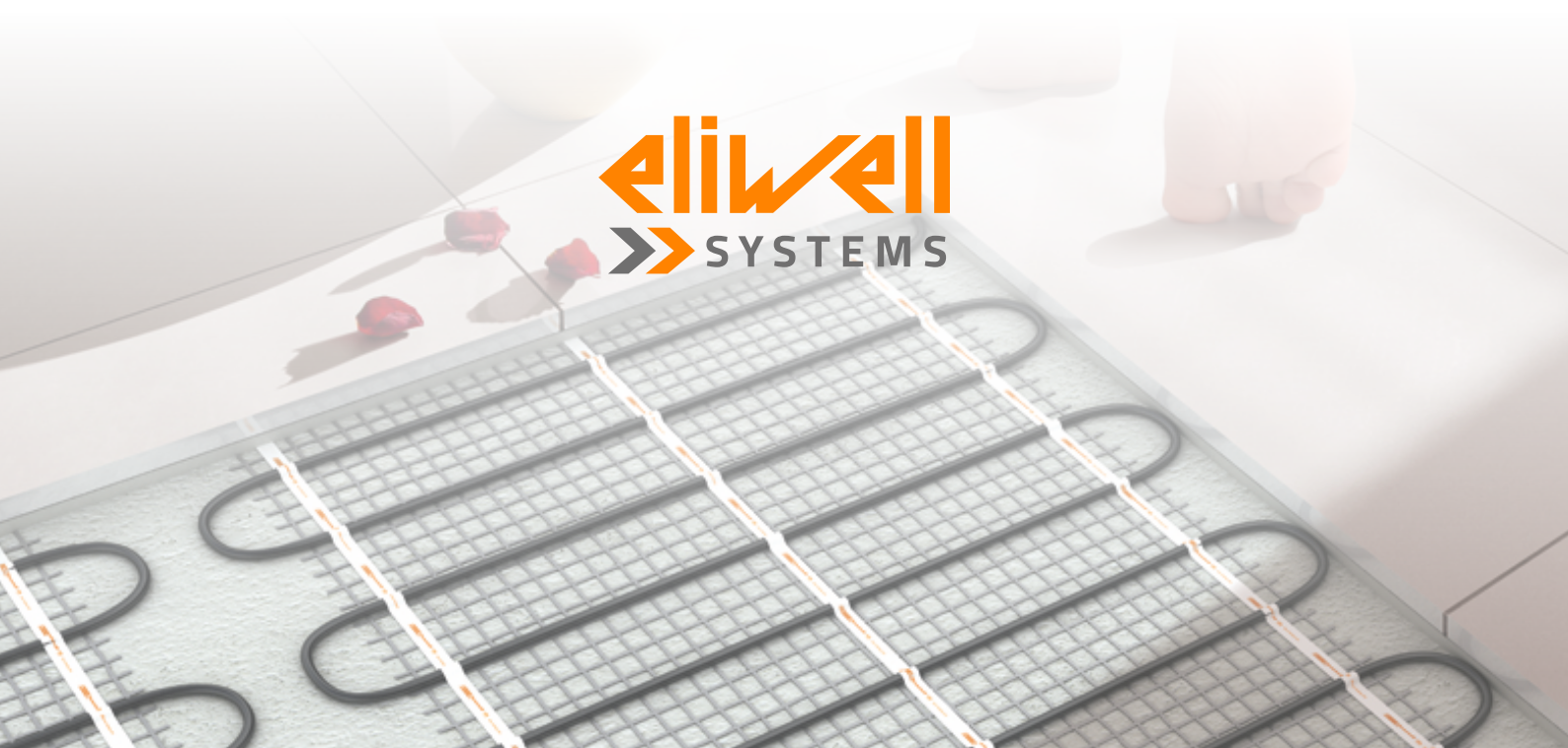
ELIWELL SYSTEMS SRL

Via dell'industria 10 - Z. I. Paludi
32016 Alpago (BL) - Italy
Tel. +39 0437 902327
Fax. +39 0437 902238
info@eliwellsystems.com

www.febosystems.com

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