eelectron

Building and home evolution

Since our everyday living requires **energy saving** and **cost control,**
since we want to live in an **homy** and **environmental world,**
since we are **sensitive to the beauty** of **our work place and living spaces.**
We have designed **flexible, reliable and global solutions for**
home evolution and building management.

KNX®

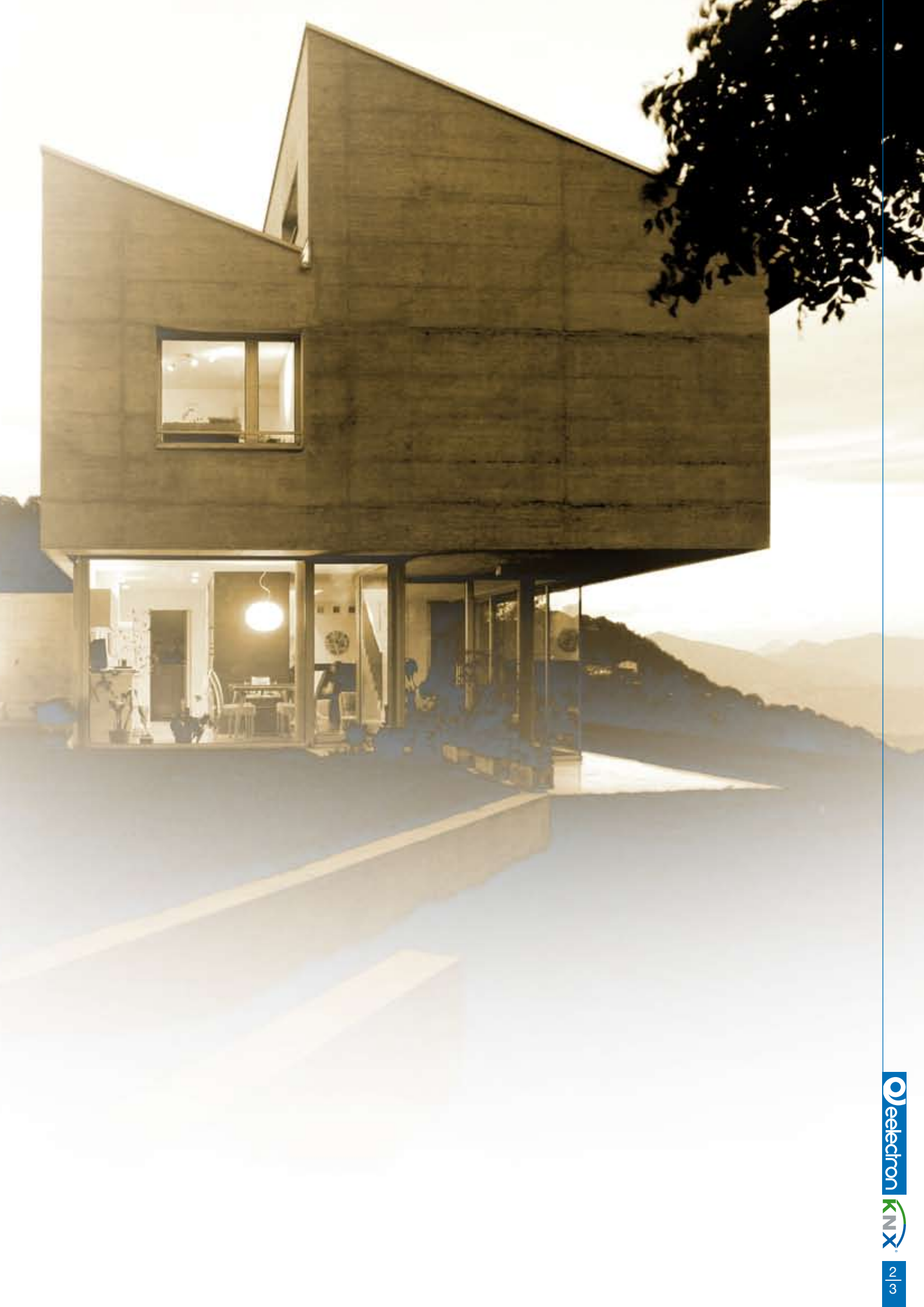
Since our everyday living requires **energy saving** and **cost control**

Architects, designers and planners, follow our conception of home evolution and building automation.
Environmental needs are changing the standards of project design, with performing and challenging goals that require efforts to deliver to your clients long lasting economy and comfort values.
Following this effort, we have developed multifunctional applications starting from KNX technology: an open standard, programmed from a unique software tool, able to join independent systems in an interworking logic.

Used by many customers worldwide, our solutions combine aesthetic design, high performances and friendly usability for end users and professionals.

Building Automation • Hotel Management • Home Evolution

Synchronise events • Synchronise colours
Synchronicity is a range of products working on KNX standard, dedicated to **hotel and facility management**.
All the range is for both 2 modules round and squared inwall boxes or for 3 modules boxes.
The solution is integrated with **eHotel, eAccess and eSuite** software management tools and products for **temperature control** (fan coil control, fans, proportional valves, air conditioning, 2 or 4 pipes systems, humidity sensors), **lighting and load management** (input and output modules, digital/analog mixed modules, dimmers and shutters modules), **visualization and control** (touch panels, PDA), **communication** (gateways vs. other protocols), **multimedia** (audio multiroom system).



Since we want to live in an **homy** and **environmental world**

- Single or multiple lighting control
- Heating and air conditioning
- Blind and shutters control
- User dependent management of areas and functions
- Temporized and advanced scenarios
- Access Control
- Audio/Video system integration
- Alarms and Video Surveillance
- Intercom Audio and Audio/Video system

Highlights of KNX solution

- A global standard
- Great flexibility thanks to distributed control and intelligence
- One only configuration software
- A single technology for installers and planners
- Easy Maintenance
- Security through the use of low-voltage power supplies
- Open to various communication medias

Since we are **sensitive to the beauty** of our **work place and living spaces**

The range of products is designed using glass frames in 10 different colours and plexiglass frames in 3 different colours that can be personalized on request.

23.4 °C
OFF

Our Hotel Solution

Eelectron has conceived the hotel as an integrated system where access control and room management is connected with common areas and temperature control and with interworking subsystems through hardware and software interfaces.

HVAC
BMS

Mitsubishi
Daikin
Toshiba
Sanyo
Tac
Siemens
ecc.

Gateway for bidirectional communication

Interface to management System (Micros Fidelio, Leonardo, ecc)

Transponder Keyholder

Transponder Card

Encoder

e-Hotel
e_Acces
e_Suite
Software

IP Interface

Power Supply

Reception

Common Areas

Transponder Reader

- Access Control
- Guest Scenario
- Staff Scenario
- Door Lock control

Kairos 10”

- Scenarios
- Timers
- Air-conditioning Management
- Shutters Management

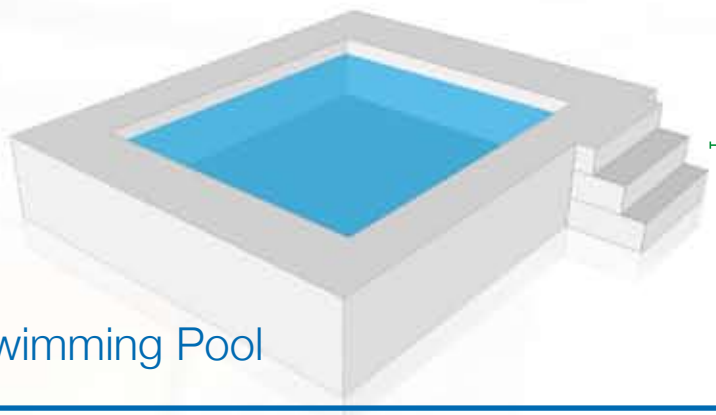
Thermostat

- Temperature Control

4IN/4OUT

- Load control
- Service Call
- Lighting Management

Conference room



Swimming Pool

External Transponder Reader

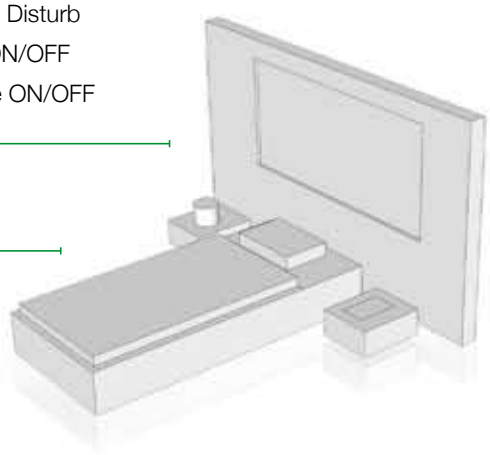
- Water Temperature Control
- Water quality monitoring
- External lighting management
- Timers

- Access Control
- Scenarios

Room 01

Transponder Holder

- Bathroom Alarm
- Do Not Disturb
- Light ON/OFF
- Charge ON/OFF



Thermostat

- Fan coil ON/OFF
- Window Contact

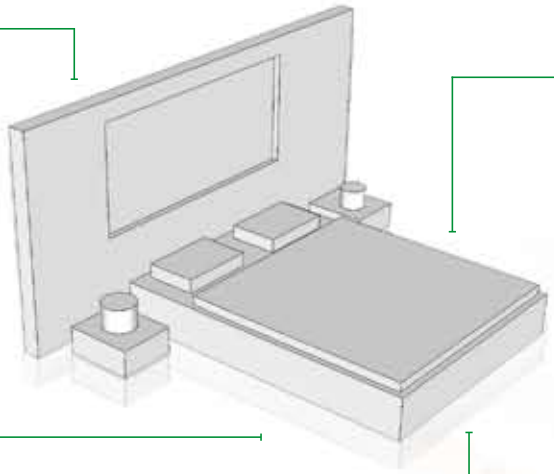
Transponder Reader

- Door Contact
- Room charge status
- Door Lock control
- Courtesy Light

Room 02

Transponder Holder

- Bathroom Alarm
- Reset Alarm
- Light ON/OFF
- Charge ON/OFF



Thermostat

- Tv Socket Control
- Window contact

4IN/4OUT Universal

- Minibar control
- Room light
- 3 speed Fan coil

Transponder Reader

- Door Contact
- Room charge status
- Door Lock control
- Courtesy Light

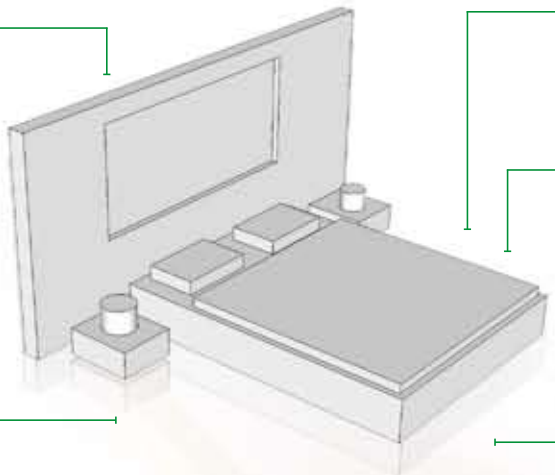
4IN/4OUT LED

- Do Not Disturb
- Room cleaning request
- Service Call

Suite

Transponder Holder

- Bathroom Alarm
- Reset Alarm
- Light ON/OFF
- Charge ON/OFF



Kairos 4,3”

- Scenarios
- Service Call
- Do Not Disturb
- Cleaning Room Request

Thermostat

- Room Light ON/OFF
- Window Contact

Transponder Reader

- Door Contact
- Room charge status
- Door Lock control
- Courtesy Light

8IN/8OUT

- Lights
- Minibar contact
- Shutters management
- 3 Speed Fan coil
- 2/4 Pipes system
- Hot/Cold Valves
- TV Socket control

Lounge

- Intercom Video System
- Lighting Scenarios (Night, Party,Relax)
- Centralized shutter management
- Alarms
- Constant brightness depending on natural light

Our Home Solution

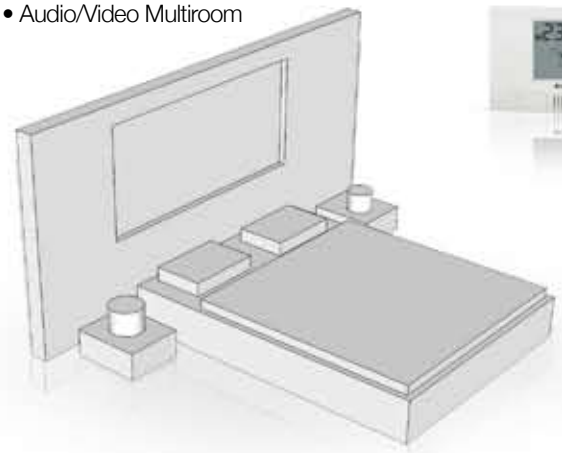
Eelectron has conceived his home as a place where comfort follows simplicity, control generates savings by ensuring security. With the use of smart solutions, new or existing systems can be implemented thanks to a flexible architecture, and cost effective results can be reached in the short term.

Kitchen

- Maximum power Load Control
- Inactive load control
- Co2 Control

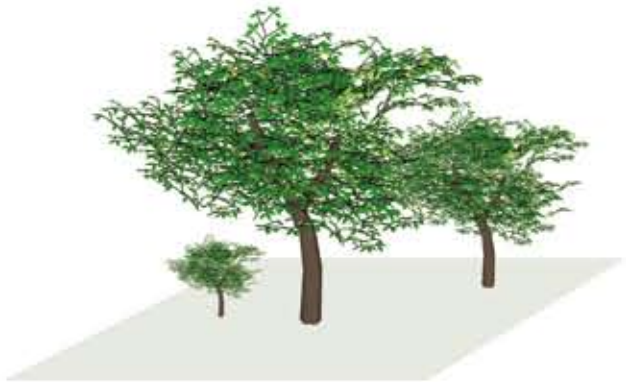
Room

- Temperature separate control
- HVAC
- Audio/Video Multiroom



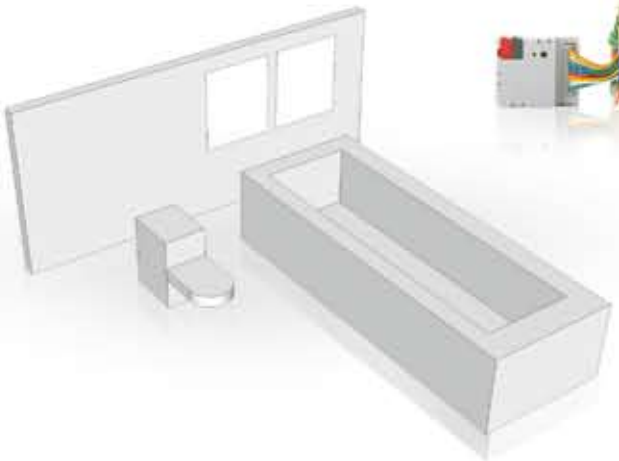
Outdoor

- Wind Sensor
- Rain Sensor
- External lighting management
- Irrigation control



Bathroom

- Humidity Control



To download our Product Catalogue,
User Manuals, Datasheets, Software and for
Commercial Informations, please visit:
www.eelectron.com

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