Welcome to the world of Home Automation

Agenda

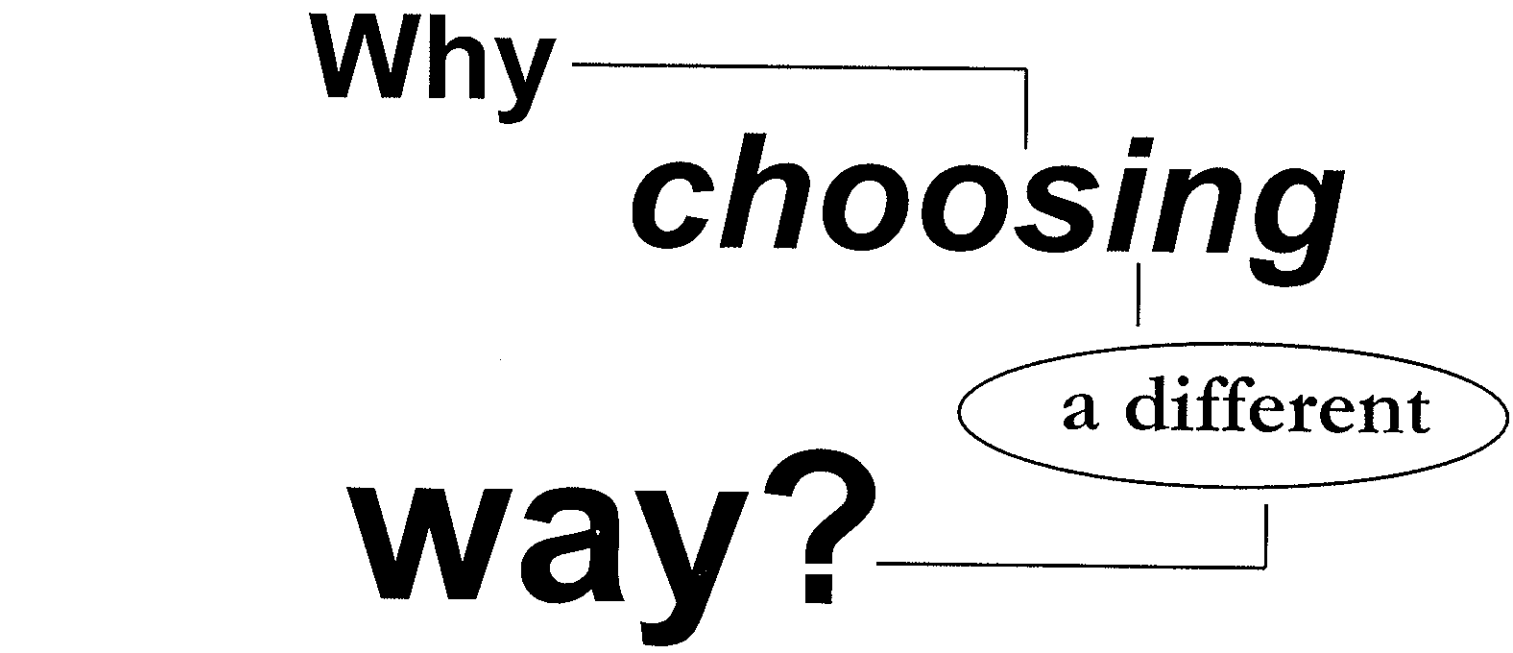
- Introduction to BUS standards.
- Features of EIB, EHS and BatiBUS
- The BatiBUS Power
- BatiBUS: inside the system
- BatiBUS: interoperability and compatibility

Agenda

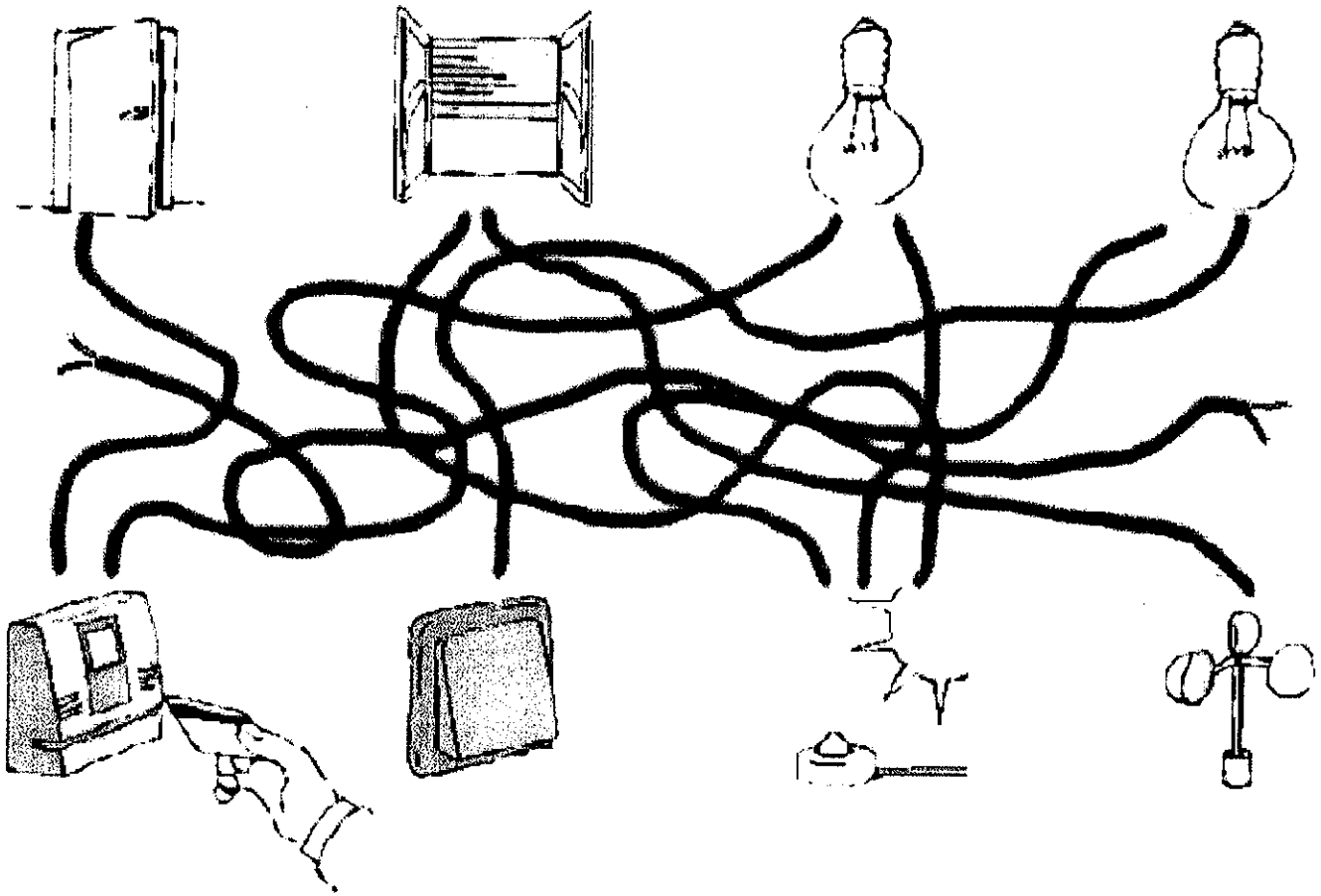
- What is BaSiCa
- BaSiCa as a CAD
- BaSiCa as your personal butler

Agenda

- A simple BatiBUS system
- Some more crafty example:
  - a call system
  - a light system with scenarios
  - a room management (hotel)

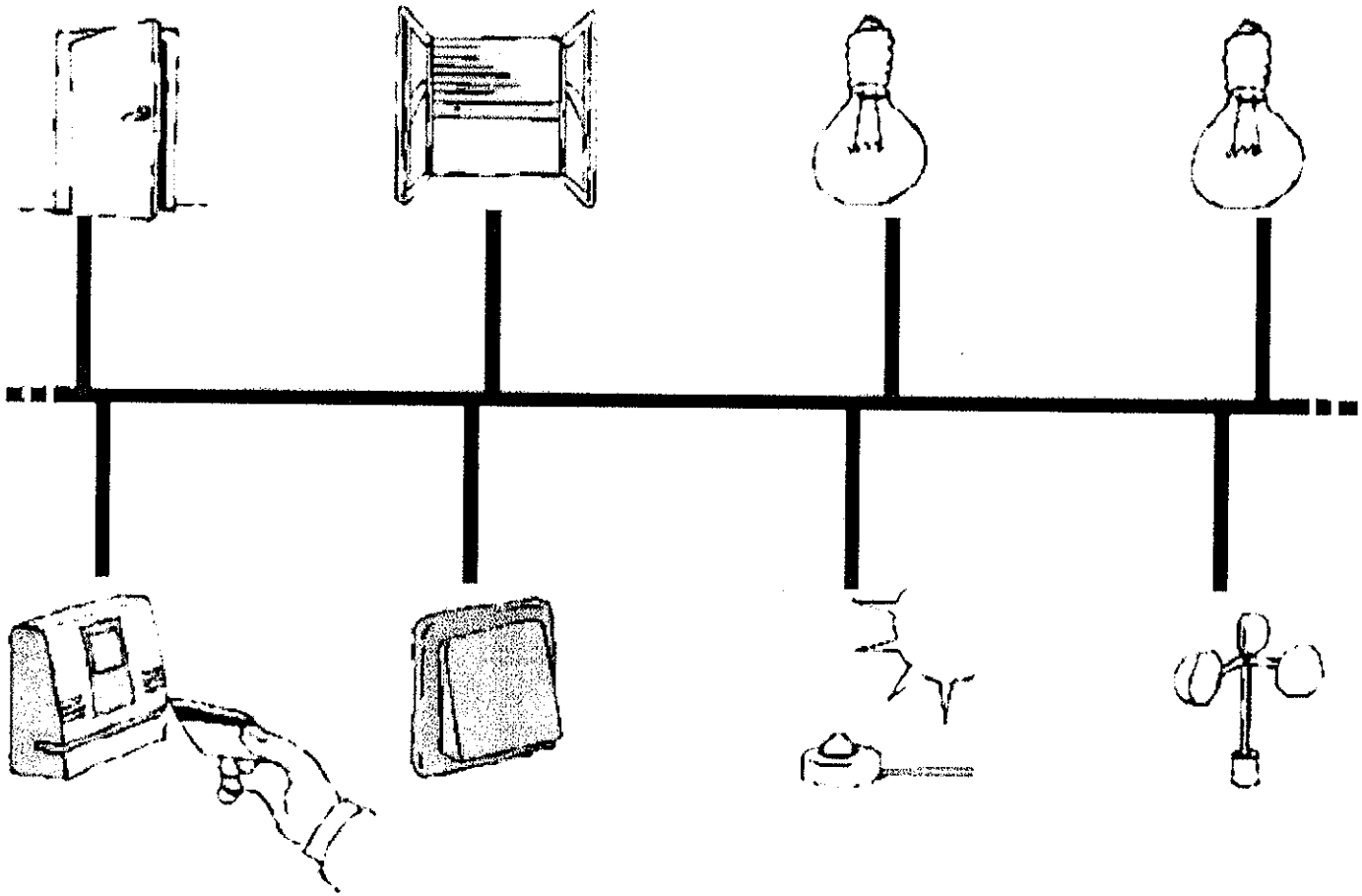

Why
choosing
a different
way?

Why choosing a bus?



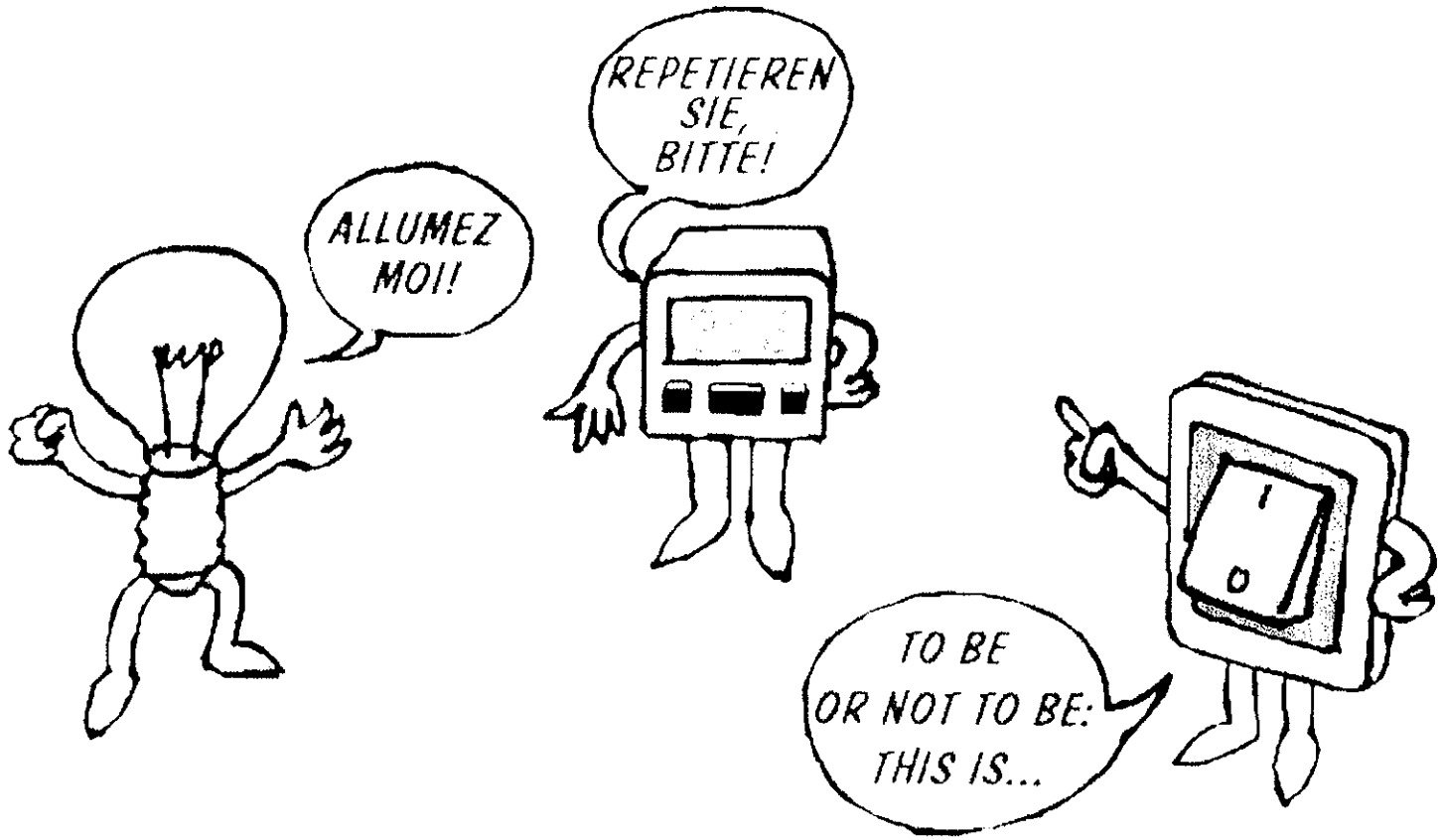
Traditional system

Why choosing a bus?



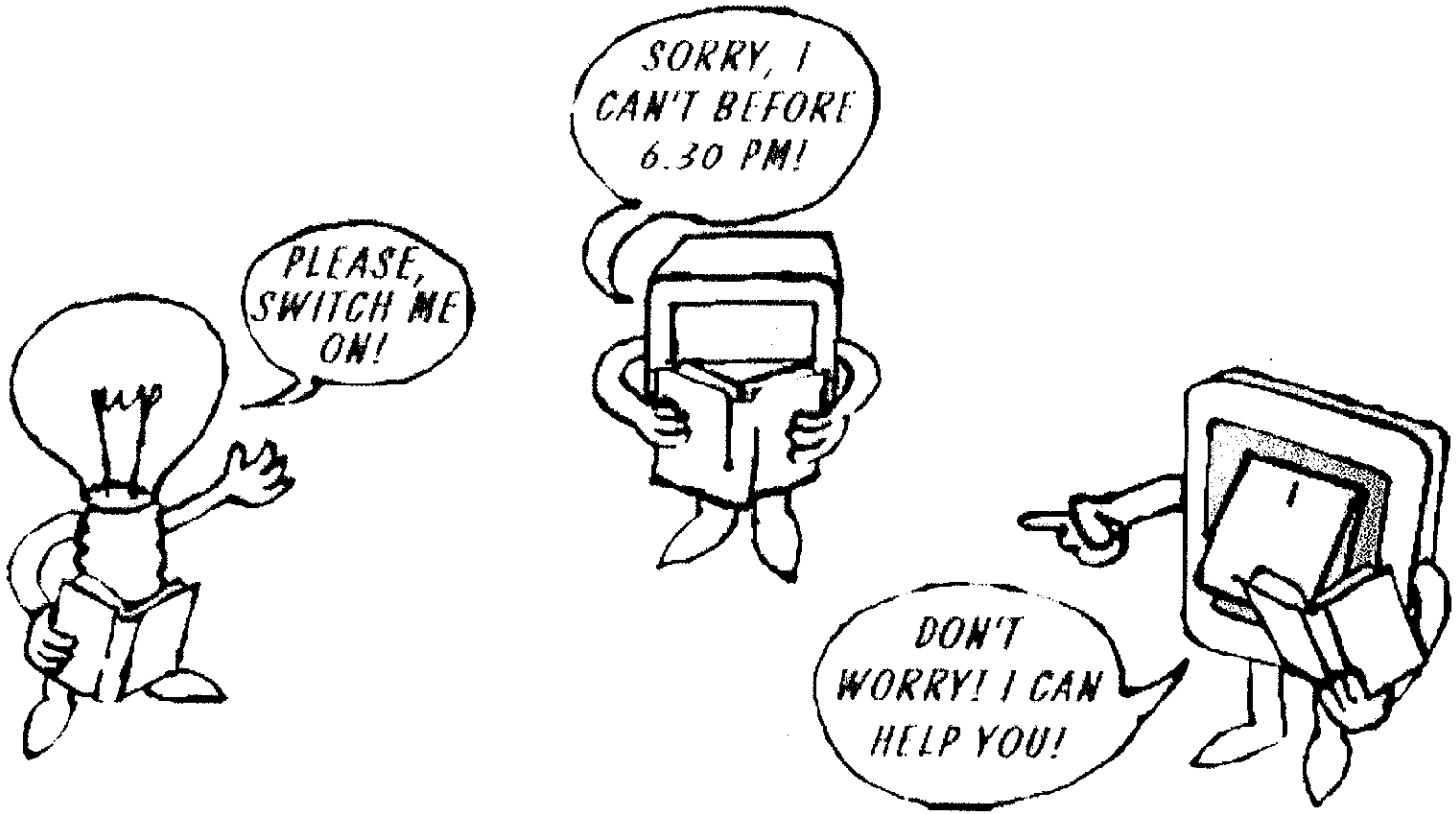
BUS based system

Why choosing a bus?



Traditional system

Why choosing a bus?

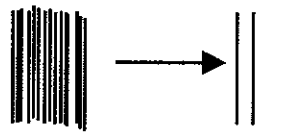


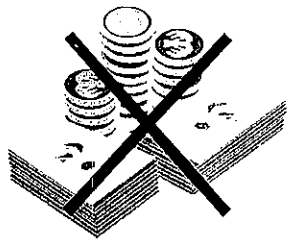
BUS based system

And more!

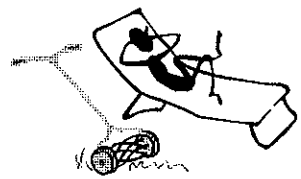
In a few words, a BUS based system will:

- simplify and reduce cable connections
- reduce energy dissipation
- reduce costs when upgrading the system
- reduce maintenance costs
- integrate different functions
- make your building/home smarter and more comfortable





1+1+1=100



European standards

- **EIB**

  European Installation BUS. German matrix,mainly pushed by Siemens and ABB.

- **EHS**

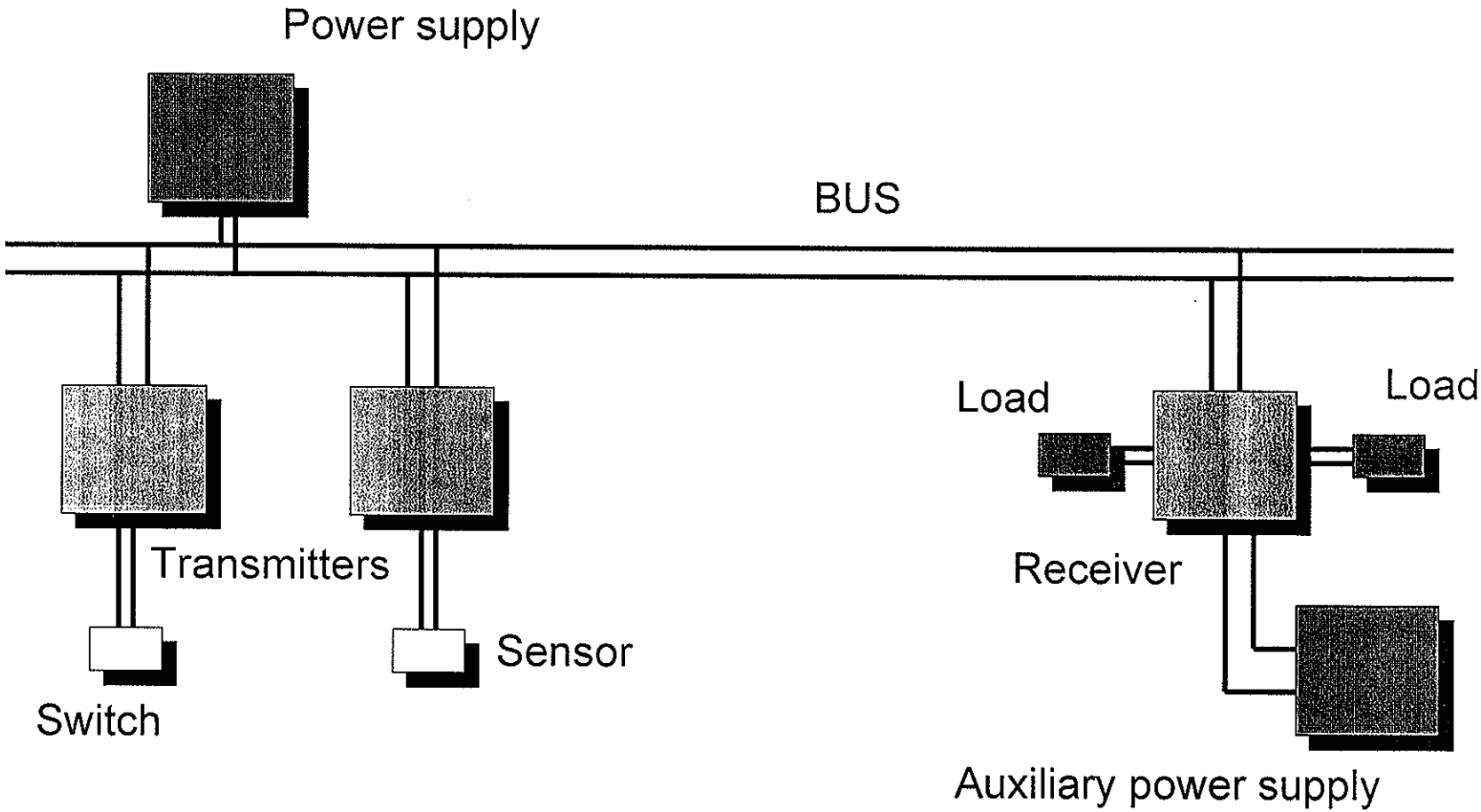
  European Home System. International matrix, supported by Electrolux, Miele and STMicroelectronics.

- **BatiBUS**

  BUS des Batiments. French matrix, mainly supported by Merlin Gerin and Schneider.

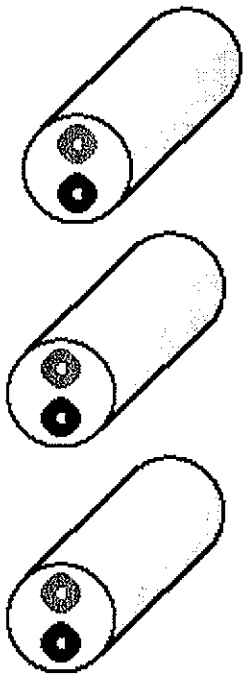
<u>The</u> future european standard will be Konnex, born from the fusion of the three major european Bus Associations

The BatiBUS Power



BatiBUS - Medium





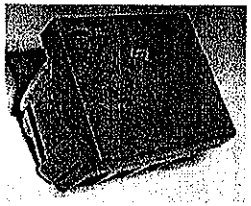
- Twisted pair, rigid or flexible
- Shielded twisted pair
- BatiBUS cable

Ave BatiBUS System

Ave BatiBUS Family:

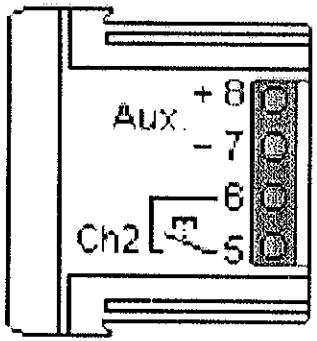
- 453BST & 453BST5 BatiBUS Transmitters
- 453BSR BatiBUS Receiver
- 53BSA BatiBUS Power Supply
- BSA232 BatiBUS/RS232 Coupler
- BaSiCa BatiBUS Control Software

Ave BatiBUS System is interfaceable to any BatiBUS device available on the market.

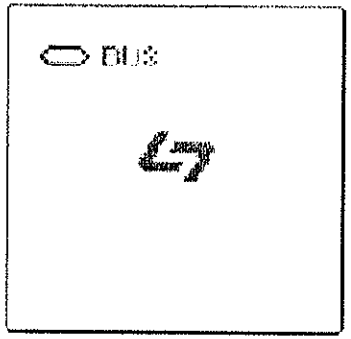


453BST - BatiBUS Transmitter

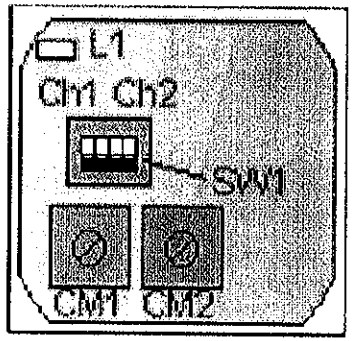
RIGHT SIDE



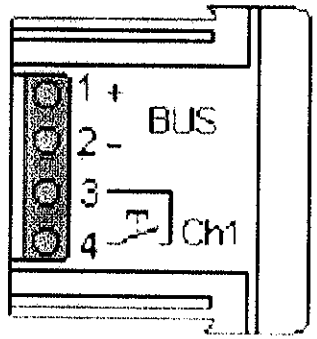
FRONT



UNDER-FRONT



LEFT SIDE

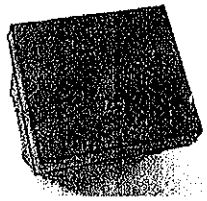




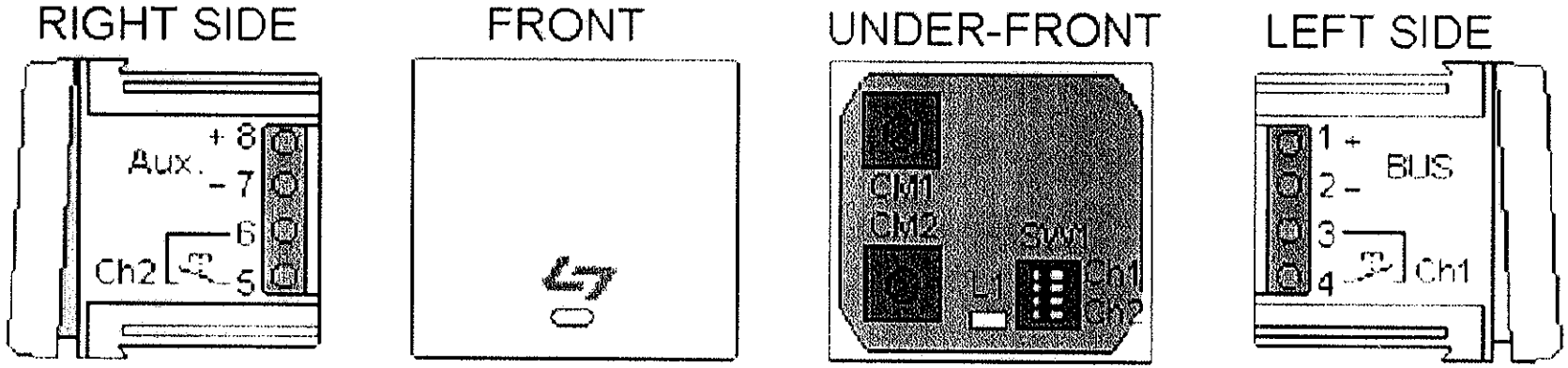
Microswitches 1-2 and 3-4	Action
1 1	ON + OFF
1 0	STEP
0 1	ON
0 0	OFF



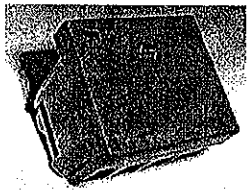
Rotary switches	Addressing
2 3	Point to point
F 2	Multidrop
F F	Broadcast



453BST5-BatiBUS Transmitter

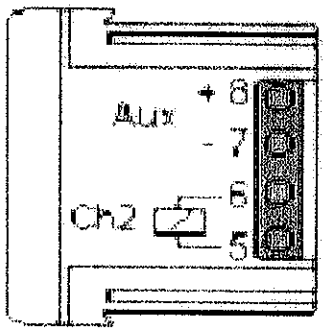


- It works exactly like the 453BST
- Integrated push button connected in parallel to Channel 1 (Ch1)

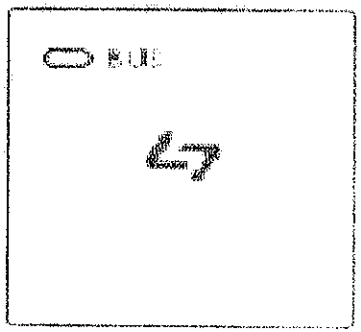


453BSR - BatiBUS Receiver

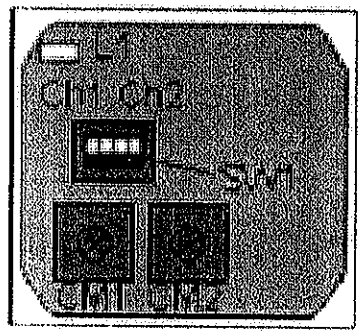
RIGHT SIDE



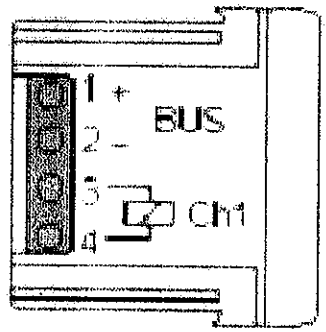
FRONT



UNDER-FRONT



LEFT SIDE

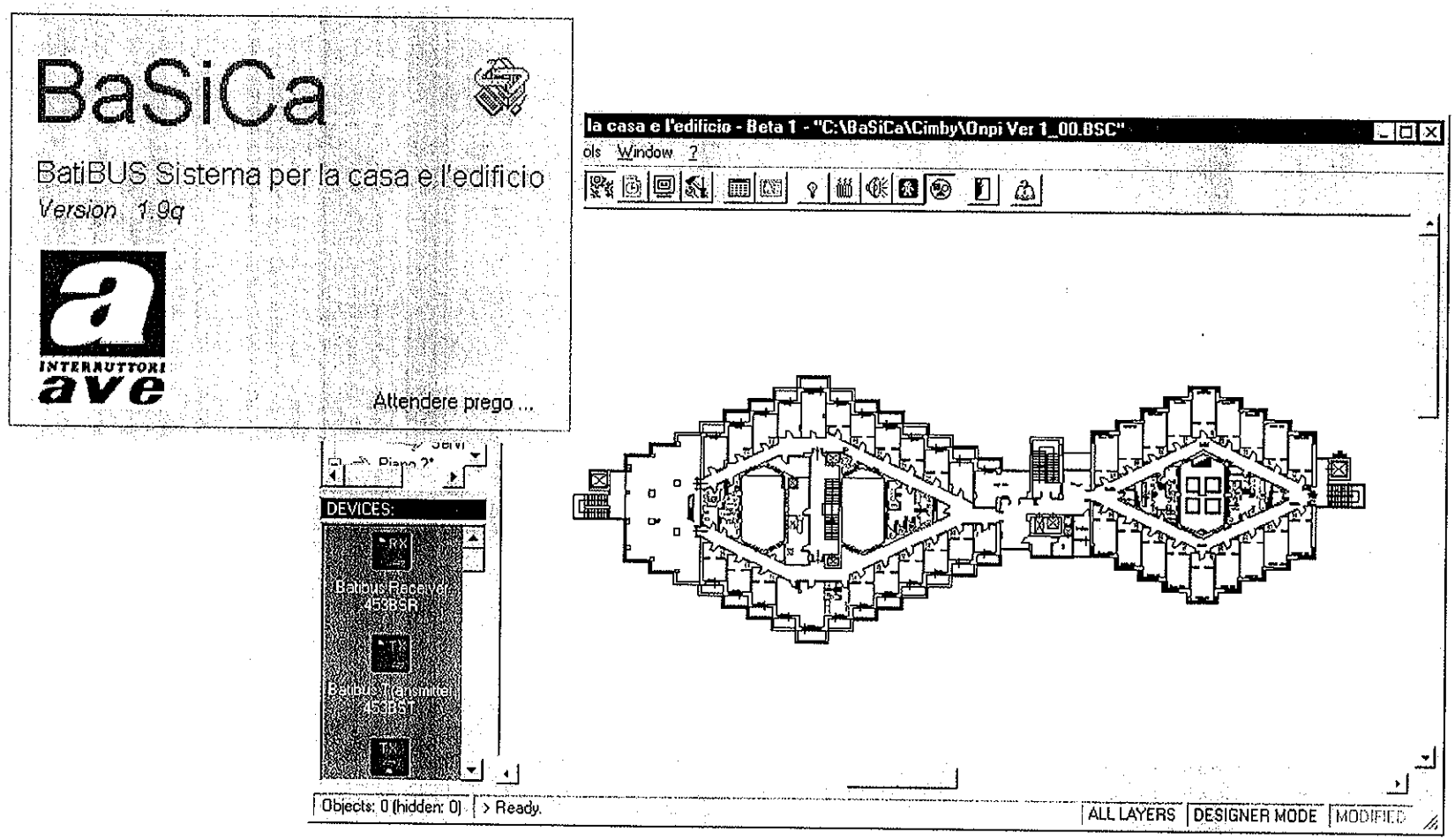




Dip Switch	Ch1 Delay	Ch2 Delay
1 1 1 1	0"	0"
0 1 1 1	1"	1"
1 0 1 1	3"	3"
0 0 1 1	6"	6"
1 1 0 1	12"	12"
0 1 0 1	24"	24"
1 0 0 1	48"	48"
0 0 0 1	60"	60"

Dip Switch	Ch1 Delay	Ch2 Delay
1 1 1 0	0"	2'
0 1 1 0	0"	3'
1 0 1 0	0"	4'
0 0 1 0	0"	5'
1 1 0 0	0"	6'
0 1 0 0	0"	7'
1 0 0 0	0"	8'
0 0 0 0	0"	9'

BaSiCa - Overview





BaSiCa - Overview

- BaSiCa is intended to work with Windows 95/98/NT

What I can do with BaSiCa?

- Design a new system
- Program the devices
- Act remotely in each point of the building
- Monitor the system
- Analyse and run diagnostics on devices
- Keep track of each event
- And many more!

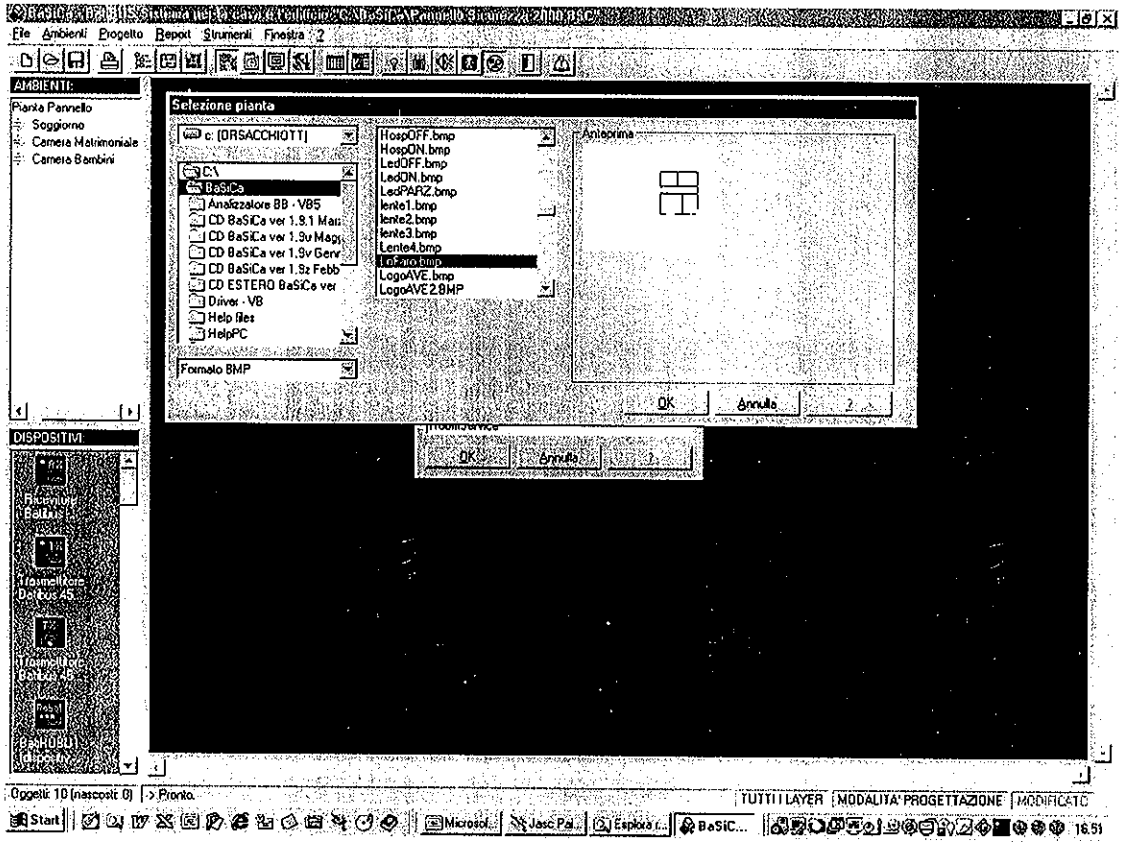
BaSiCa - Overview

Operating modes

• **DESIGN MODE**. This mode is useful to design a system, just like a CAD. You can place object, set properties, set programs, add notes, obtain a "bill of material" to build the system, etc...

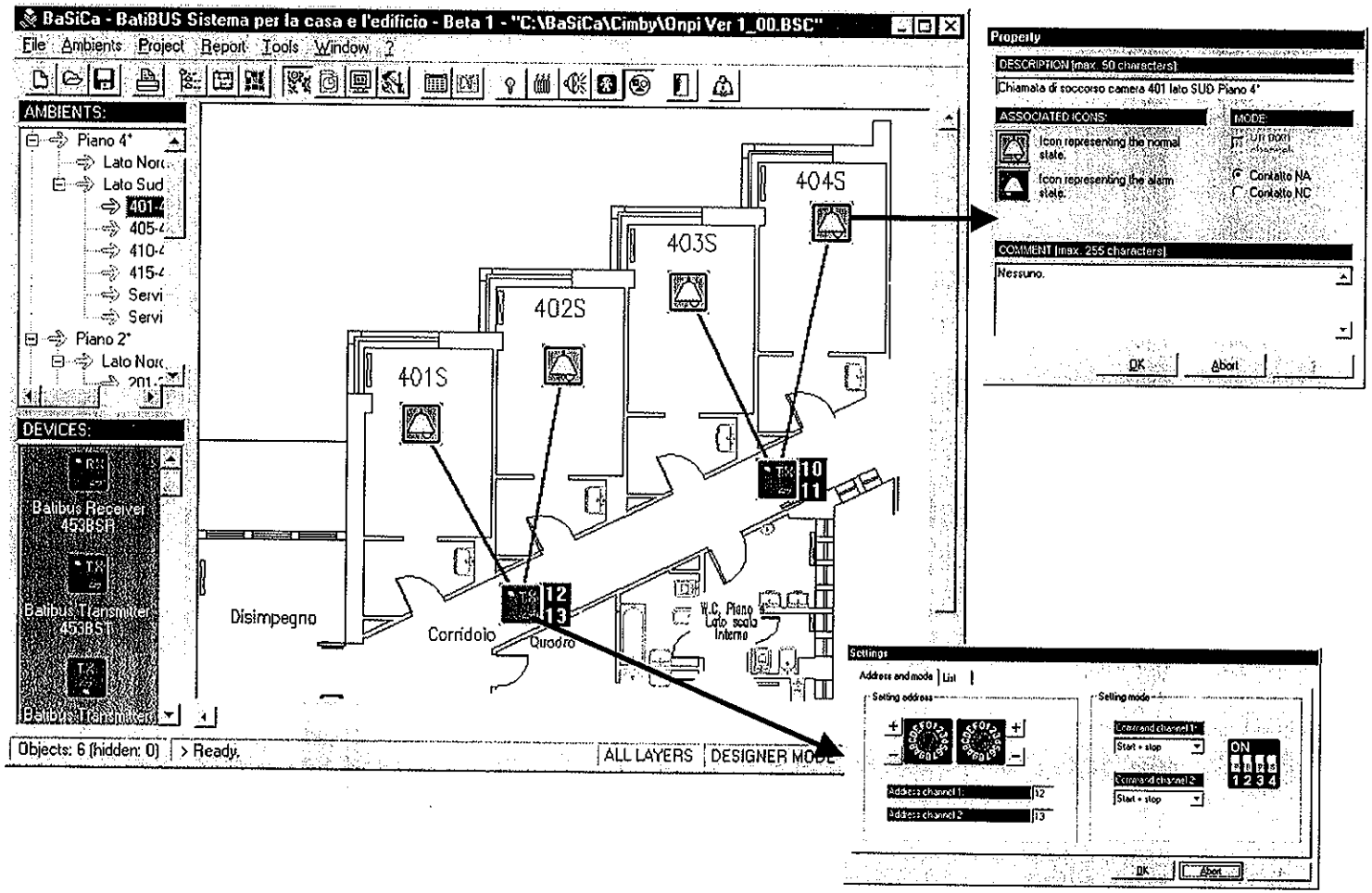
• **USER MODE**. The user mode can monitor and control a complete BatiBUS system; you can interact with each device, wherever it is. You will be warned in case of alarms, service calls, you can store each event onto the hard disk or obtain a paper copy, you can run the system diagnostic, etc...

BaSiCa - Design mode

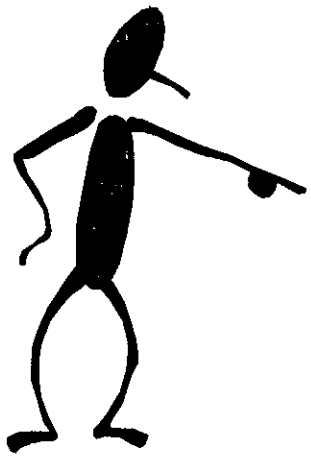


You can import as background the building plan

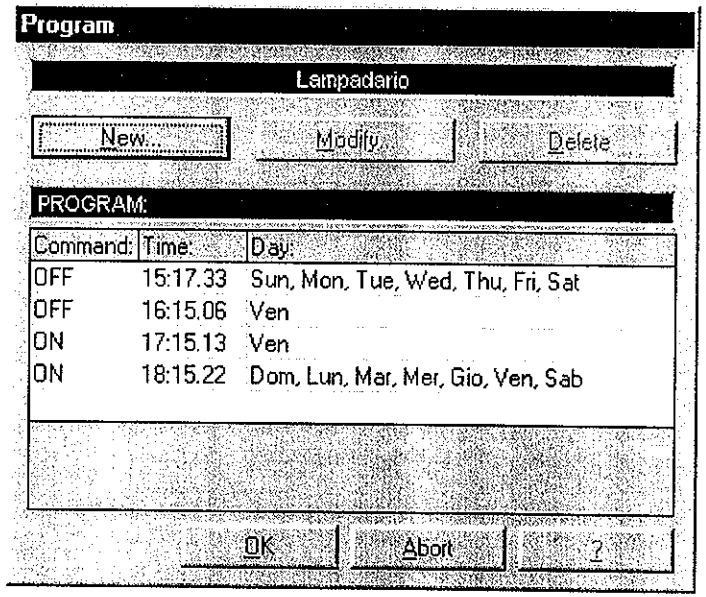
BaSiCa - Design mode



BaSiCa - Design mode

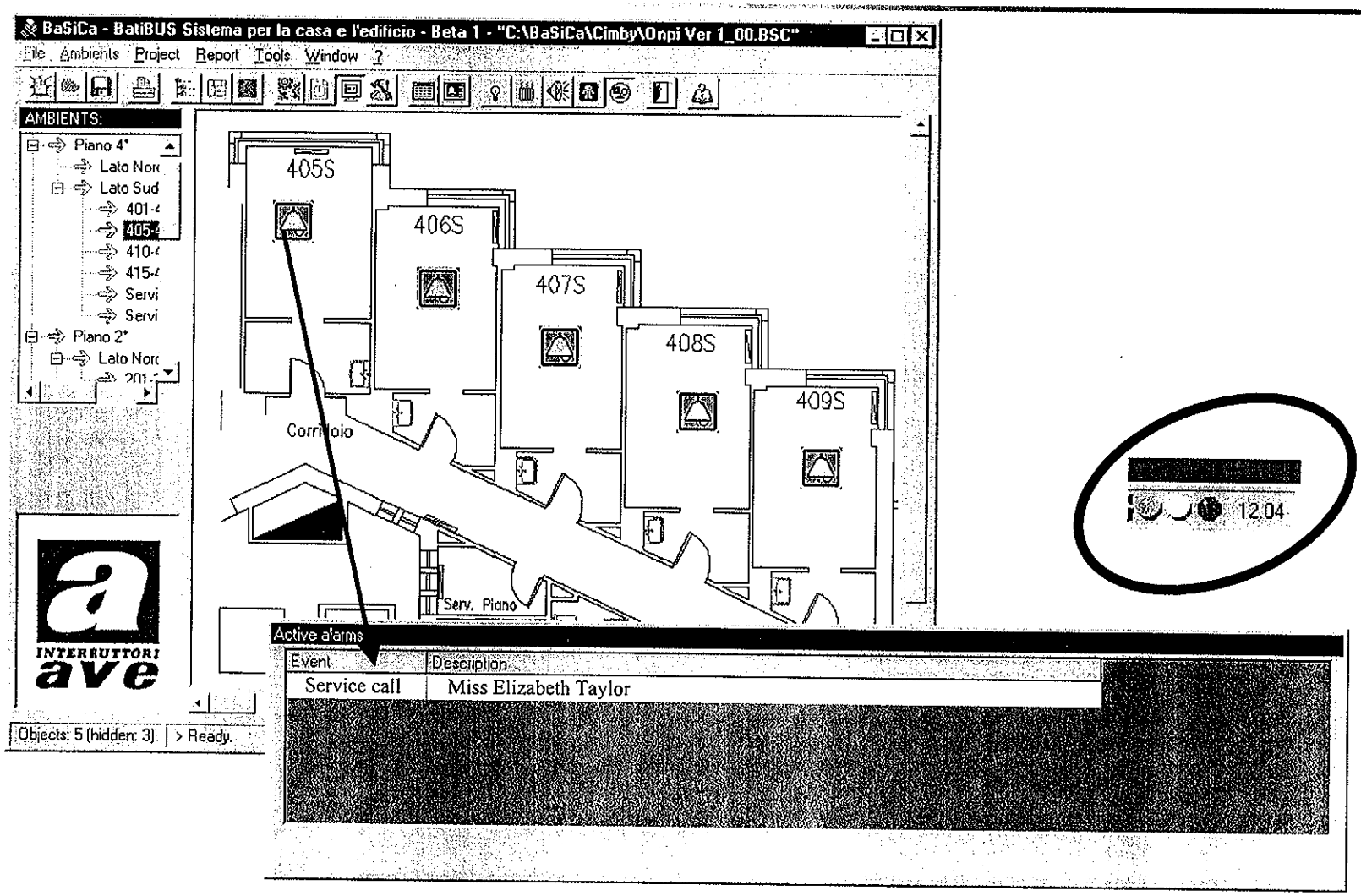




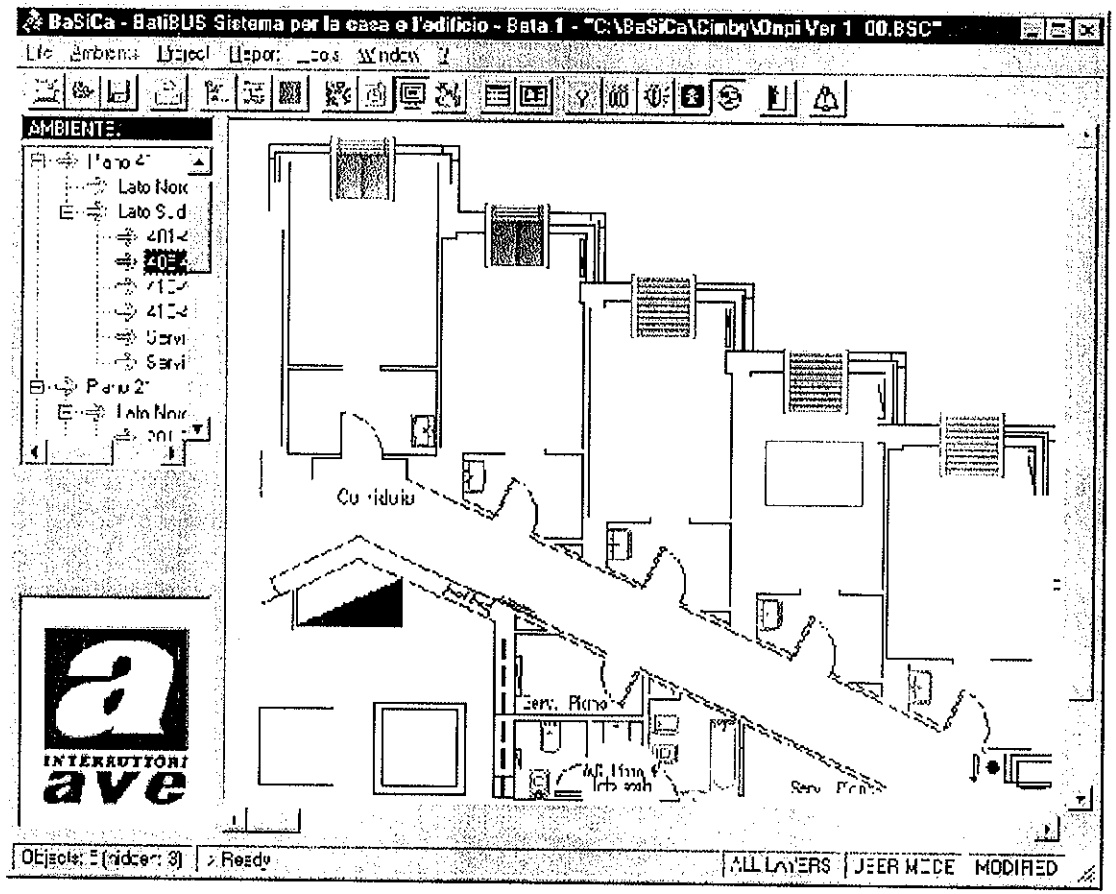


It's possible to program up to 1000 events per week for each device. This converts the BatiBUS system in a precise and perfect butler, in an easy way.

BaSiCa - User mode



BaSiCa - User mode



Seated on your preferred sofa, you can control everything in the building, even at more than 1km...