



A close-up, artistic photograph of a fountain pen nib, likely a Montblaster Meisterstück, with a grid overlay. The nib is the central focus, showing its intricate details and the flow of ink. The background is a blurred, dark blue and black, suggesting a sophisticated, high-tech environment. The grid overlay is a light gray, semi-transparent grid that covers the entire image, adding a technical or digital feel to the composition.

Terminal Seven System

T7 System

-  It's a automation system based on a own communication protocol, MBUS composed by a Hardware, Firmware and Software combination.
-  The system is based in eight distinct modules, with specific functions, in which are connected action devices (Sensors) and reaction devices (all the equipment capable of connecting with electric power)

T7 System

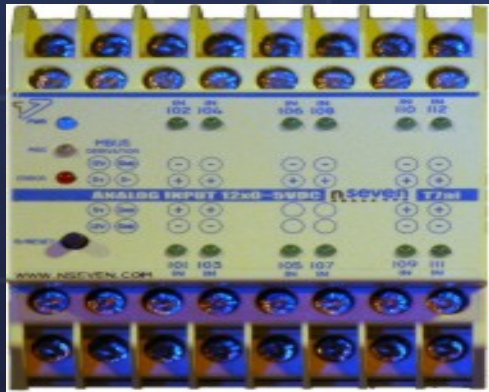


T7pw – Is the power source and the interface with the system.



T7t – Is the core of the system. Receives the data, manage and create events for the system.

T7 System

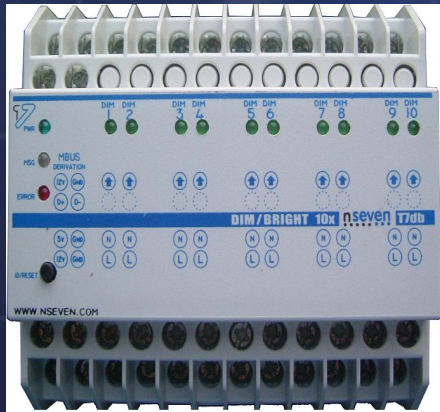


T7ai - Are the analog inputs of the system.



T7or - These are the relay (output) of the system.

T7 System



T7db – This module permit us to simulate a rheostats (variable resistor).



T7mp – This module is a mixture of all the previous modules.

T7 System

Its applications are diverse and could be applied in:




 Industrial Automation

 Companies Automation

 Domestic Automation







T7 System

The system philosophy is based in action/reaction logic with a functioning based on:

-  Event timing related with the basic needs.
-  Direct intervention from the users whenever necessary.
-  Event association to certain occurrences.

T7 System

The most important areas that we intend to give reply are:

-  **Comfort** – With the minimum of effort, things happen according to what we define as a need.
-  **Economy** – Through automation, we manage to obtain means optimization through which it can be obtained power consumptions of about 30%.
-  **Security** – There are several kinds of response at this level:
 -  Technical Alarms - Fire, Gas leak, flooding.
 -  Intrusion control.
 -  Event messages.

T7 System





System interface:

- ❑ WallSwitch, keypad with 16 programmable keys up to 48 different functions.
- ❑ LCD Touch Screen 5.7 Panel, with a single click functions menu.
- ❑ PDA, that has as a primary characteristic its mobility within the automatized space.
- ❑ Control Panel, when associated with a computer we will have a interactive control of all the system functionalities.
- ❑ Cellphone, that can be, by excelency, the event generator from the outside, being also the message report receiver.

T7 System








The main areas in domestic automation:

All the events should be associated to different possible scenarios.

-  Night/Day Timing
-  Enter the house = Presence
-  Leave the house = absence
-  Presence simulation

T7 System

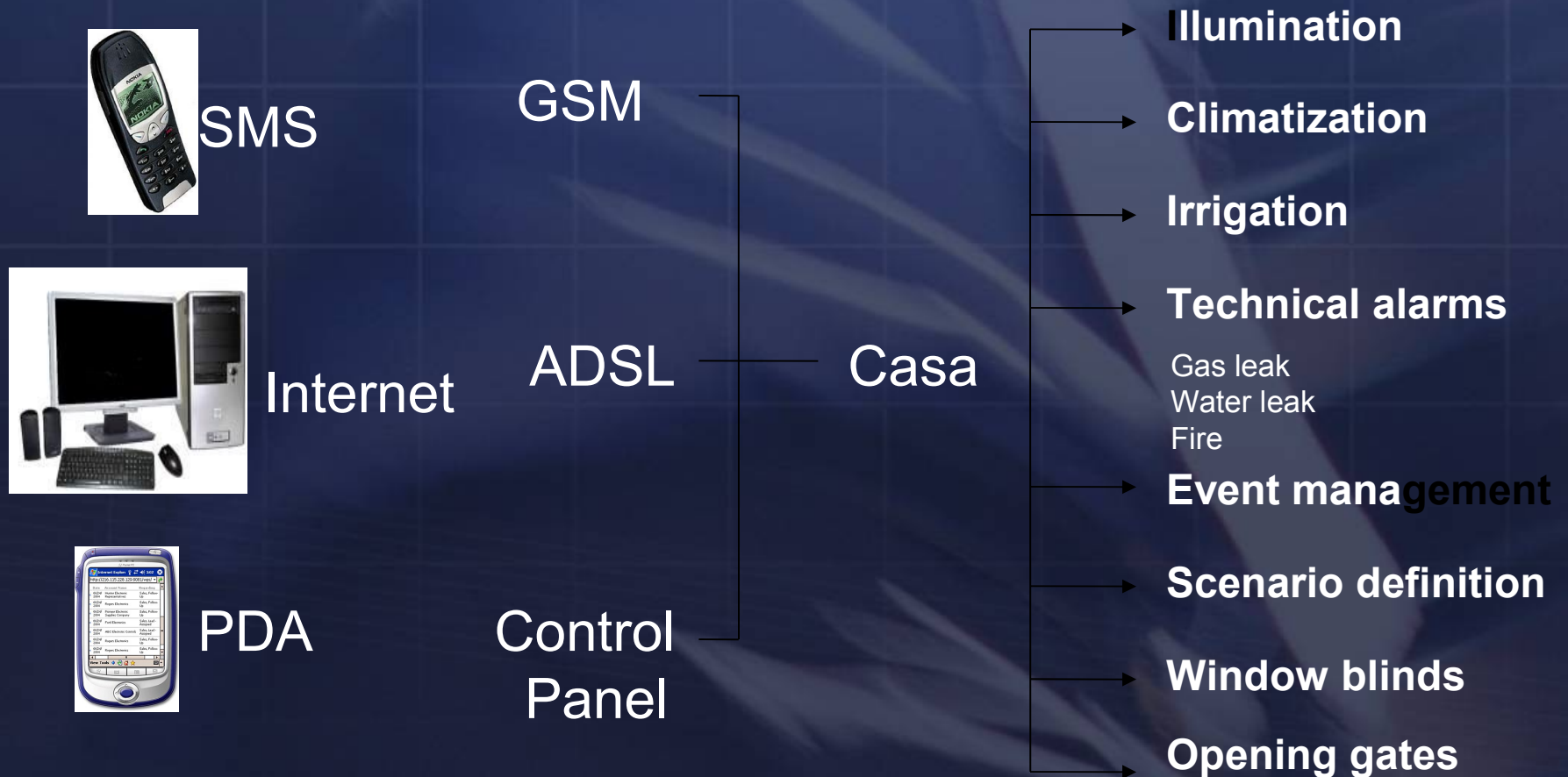
System actuation areas:

-  **Lightning Control** - Different environments (medium light) soft turn on and soft turn off turn on/off light bulbs
-  **Intrusion detection** - Glass breaking sensors
Door and window contact sensors
Motion sensors
-  **Technical Alarms** - Fire
Flooding (with supplying cut)
Gas leak (with supplying cut)
-  **Opening and closing device control** - Windows
Doors
Gates
-  **Irrigation system control** - With needs management (through humidity sensors) and shut down when a human is passing
-  **Pool treatment system control** - Filtration timer
Automatic fill
Illumination
Product adding
Temperature
-  **Event messages generator** - All the events can perform one SMS message

T7 System

- Several kind of peripherals can be associated with the system:
 - ❖ Biometric control devices
 - ❖ Image control systems
 - ❖ Contactless card, Smartcard and magnetic stripe readers
 - ❖ Access control devices, automatic doors, cranks, gates
 - ❖ Sound and image systems
 - ❖ Weather Stations
 - ❖ Informative panels
 - ❖ Dedicated computer
 - ❖ Touch screen control panel
 - ❖ PDA Devices
 - ❖ Cellphones

T7 System



SMS

GSM



Internet

ADSL

Casa



PDA

Control
Panel

Illumination

Climatization

Irrigation

Technical alarms

Gas leak
Water leak
Fire

Event management

Scenario definition

Window blinds

Opening gates

T7 System

- These are the most usual automations in a habitation.
- If you have other needs don't hesitate to contact your installer.

Ask Your Mind

Free your Imagination