AVS electronics

MADE IN ITALY

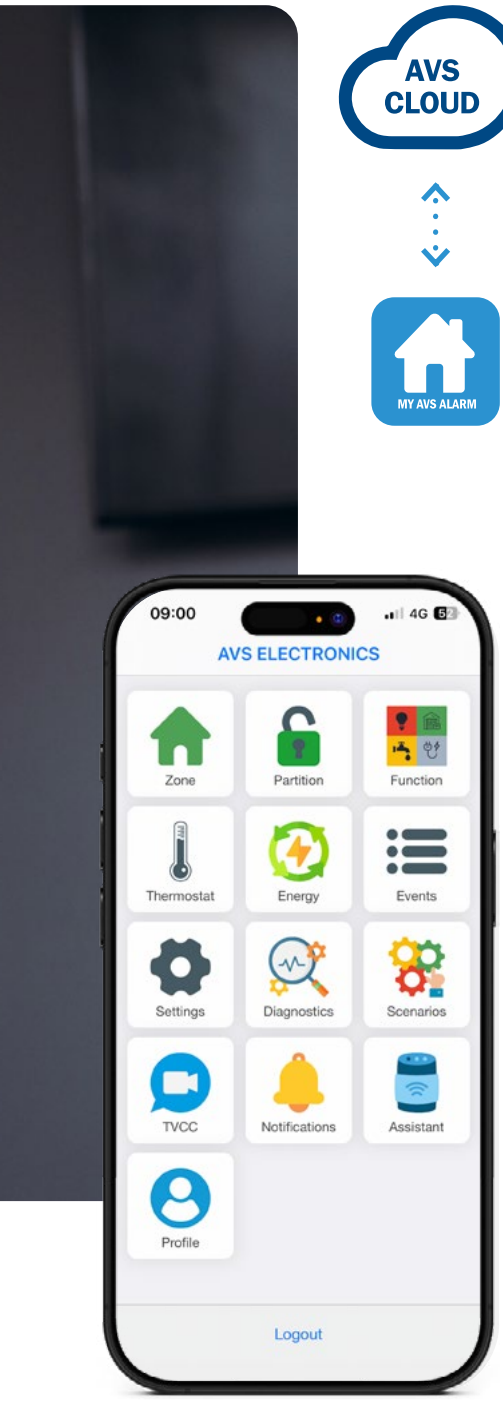
# Make your home SMART



# A safer, more efficient, and connected home. **Always.**



**Manage your home easily: from the keypad, with voice assistants, and wherever you are through the app.**




AVS CLOUD

MY AVS ALARM

## How AVS Smart Home & Building solutions were born

**AVS Smart Home & Building solutions** are the **natural evolution of security** into the world of smart homes.
A project developed to meet the new needs of modern living: **comfort, energy efficiency, and intelligent control**—without compromising security.

Starting from **AVS's experience** in **intrusion alarm systems**, AVS wired and wireless home automation integrates automation, energy management, and personalized scenarios into a **single simple and modular platform**.

The result is a **smart home that is accessible, scalable, and reliable**, designed to adapt to any type of home and grow over time with the needs of those who live in it.

## Why AVS?

**One app, multiple functions**

**Modular and customizable system**

**Security, home automation, and comfort in one system**

**Proprietary AVS Cloud: secure and reliable connection for fast and efficient system management**

**Quality and reliability Made in Italy**

**Compatible with voice assistants**

# AVS Smart Home & Building solutions: efficiency, control, and comfort in every environment.

AVS Smart Home transforms every space into an intelligent, efficient, and comfortable environment.
Control lights, climate, and devices easily—even remotely.
More convenience, less waste, maximum comfort.

**With AVS solutions, everything is always under control.**

You can choose between **wireless solutions**, ideal for quick and minimally invasive installations, and **wired solutions**, recommended for new systems or when more advanced features are required.



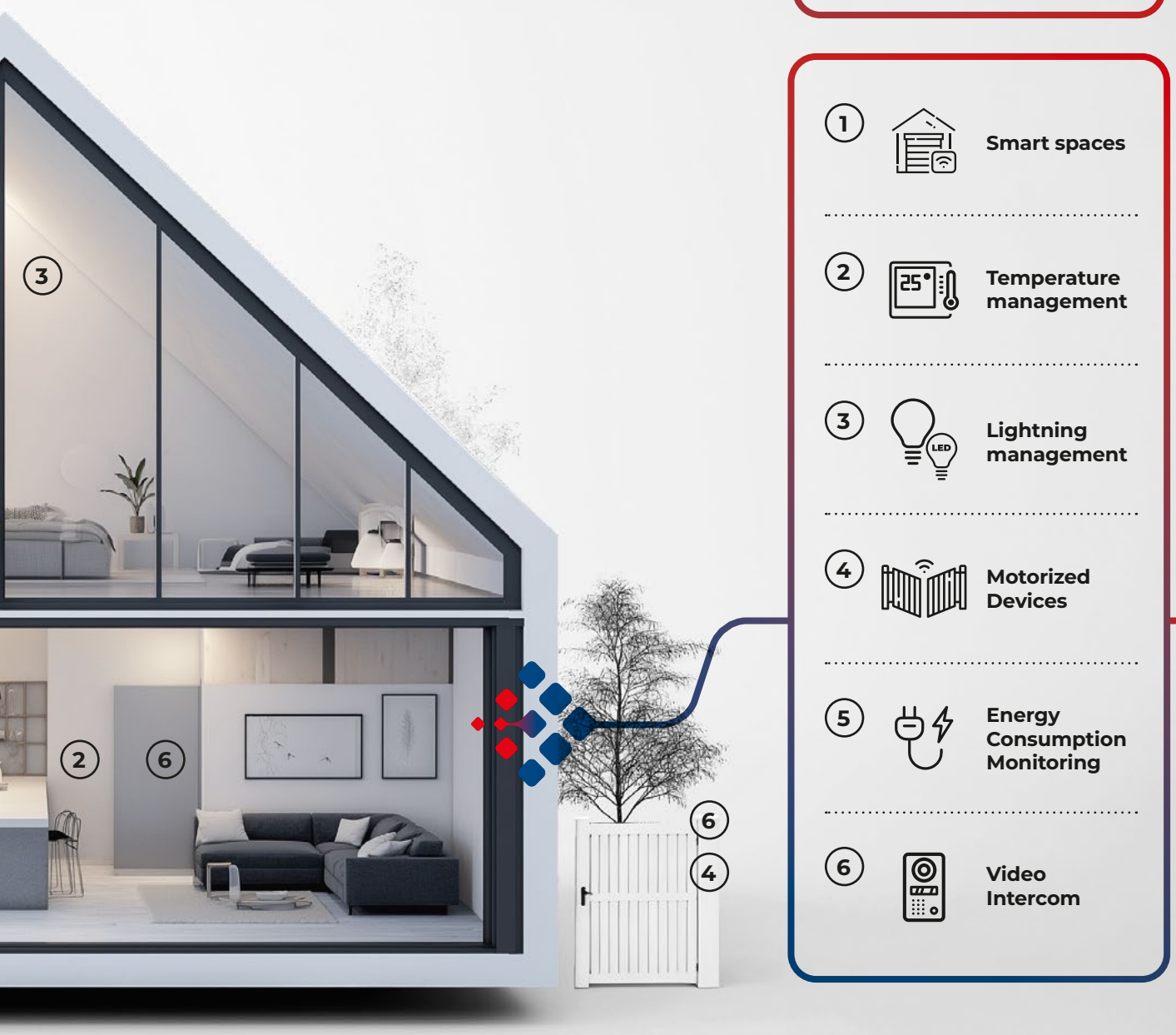

## Every space becomes smart

**Night Zone**
Rest easy with an advanced security system that protects your home and loved ones 24/7.

**Kitchen Area**
Cook freely while monitoring appliance usage and optimizing your home's energy consumption.

**Living Zone**
Enjoy every moment with enhanced comfort, thanks to intelligent technologies designed for your well-being.

**Outdoor Spaces**
Secure every entrance and keep your home's perimeter safe and under control at all times.




WIRELESS | WIRED

1. Smart spaces
2. Temperature management
3. Lightning management
4. Motorized Devices
5. Energy Consumption Monitoring
6. Video Intercom

# Security and home automation in a single system.

## Protecting your home today also means making it smarter.

With the **ULTRA AVS** control panel, your alarm system is no longer just a security device—it becomes **the technological heart of your home**. A modern, connected system integrated with home automation, designed to provide **protection, comfort, and automated management**.

You can activate scenarios such as **turning on lights in case** of intrusion, **closing blinds** when the alarm is set, **switching off lights and devices** when you leave, **presence simulation, intelligent access control, garden irrigation management and much more**.

**From 32 up to 1,000 zones**




**A single solution that combines security, efficiency, and everyday convenience.**




## SMART HOME

For smart management of your home and optimization of energy consumption.

## TEMPERATURE CONTROL

Configuration and temperature management.
Temperature regulation with relay and 0–10 V analog output.

## VIDEO INTERCOM

Integration with SIP protocol and video call management locally or via the app.

## ACCESS CONTROL

Biometric user recognition with command features.

## SECURITY

Intrusion protection solutions to ensure the safety and security of your spaces.

# Comfort and control at your fingertips with the new smart touch keypads.

Android 11 · Quad core Cortex A55 · RJ45 with POE · WiFi · Bluetooth 5.2 · RS485 Connection




## T8 and T10: next-generation keypads with capacitive touchscreens.

These are the **new AVS touchscreen keypads**, available with 8” and 10” screens, featuring next-generation capacitive technology for managing AVS multifunction control panels.

**T8** and **T10** allow you to manage all **Intrusion functions**, **Alarm Video Verification**, **SIP-based Video Intercom**, **Intercom functions**, **and live view of network-connected cameras**. Additionally, a dedicated Smart Home automation section enables full home management, including **lighting control**, **motorized devices**, **irrigation**, and **load management to optimize energy consumption**.

The keypads communicate with the control panels through the **proprietary My AVS Alarm Cloud** using **TCP/IP over LAN or Wi-Fi**.

A **BUS RS485 connection** ensures system operation even without an internet connection, maintaining essential functionalities.



LIGHT mode · DARK mode







A1000

## With A1000, your environment truly becomes smart.

Elegant, intuitive, and easy to configure, A1000 keypad with soft-touch buttons has been designed to give you complete control—not only of your intrusion system but also of home automation, temperature regulation, and access control.

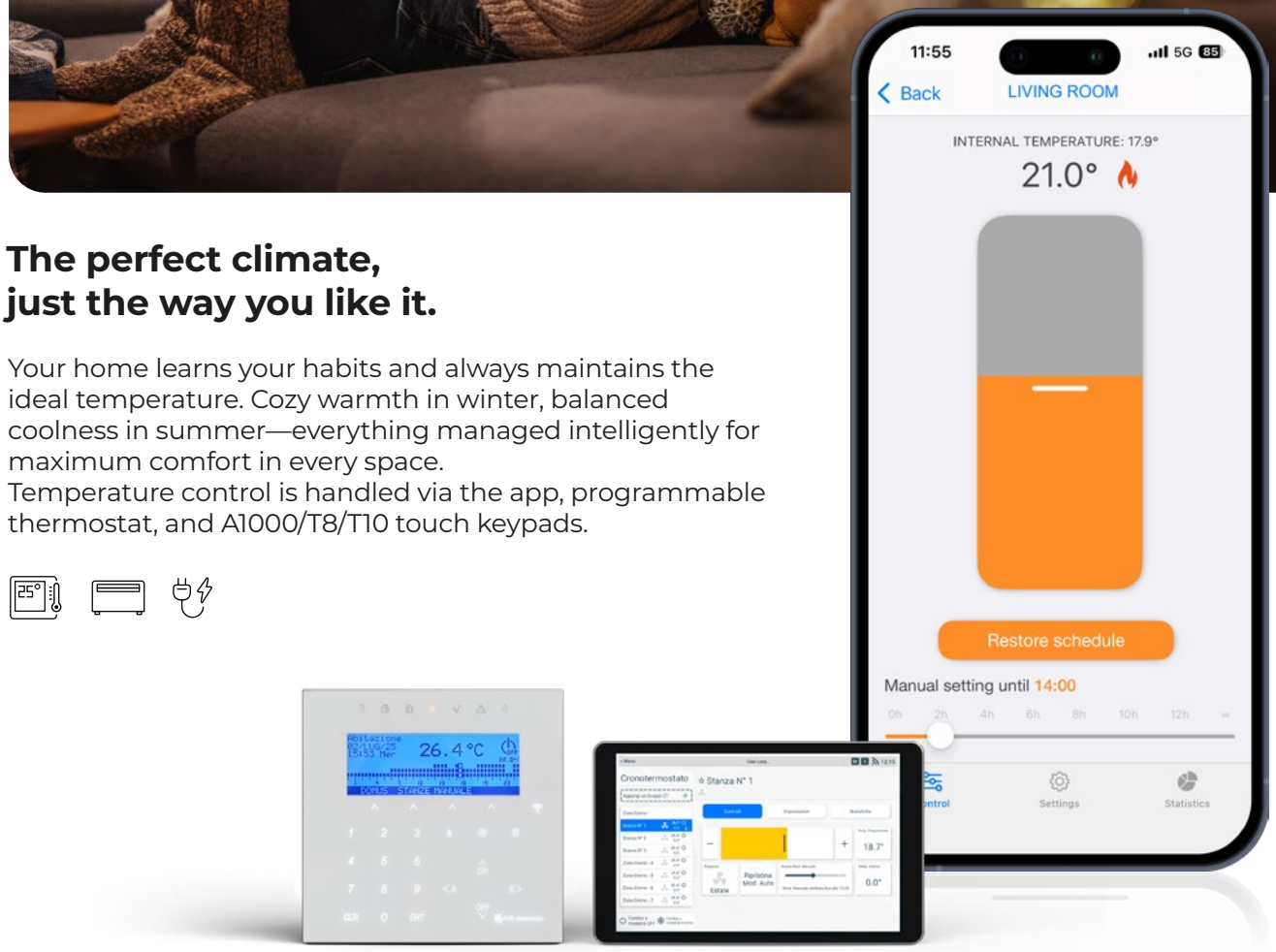
A1000 is far more than a simple keypad: it's an advanced interface that integrates security, home automation, and climate management—all in a single device with a modern and functional design.

# TEMPERATURE CONTROL



## The perfect climate, just the way you like it.

Your home learns your habits and always maintains the ideal temperature. Cozy warmth in winter, balanced coolness in summer—everything managed intelligently for maximum comfort in every space.
Temperature control is handled via the app, programmable thermostat, and A1000/T8/T10 touch keypads.






## Functionality and Style

Designed to provide maximum comfort in every space, the programmable thermostat is compatible with heating, cooling, and dehumidification systems. Its intuitive touch interface and advanced programming ensure simple, precise, and efficient temperature management.




**MDT 400-RS WT**
Programmable Thermostat with 1 Analog 0–10 V Output
Available in two colors: white and black.




**Touch, made easy!**
The user interface is designed to increase accessibility for a wide range of users.

**High Contrast**
Ensures clear command visibility, even for users with partial vision reduction.

**Wall-Mount or Recessed**
Versatile installation options to suit the environment's setup.

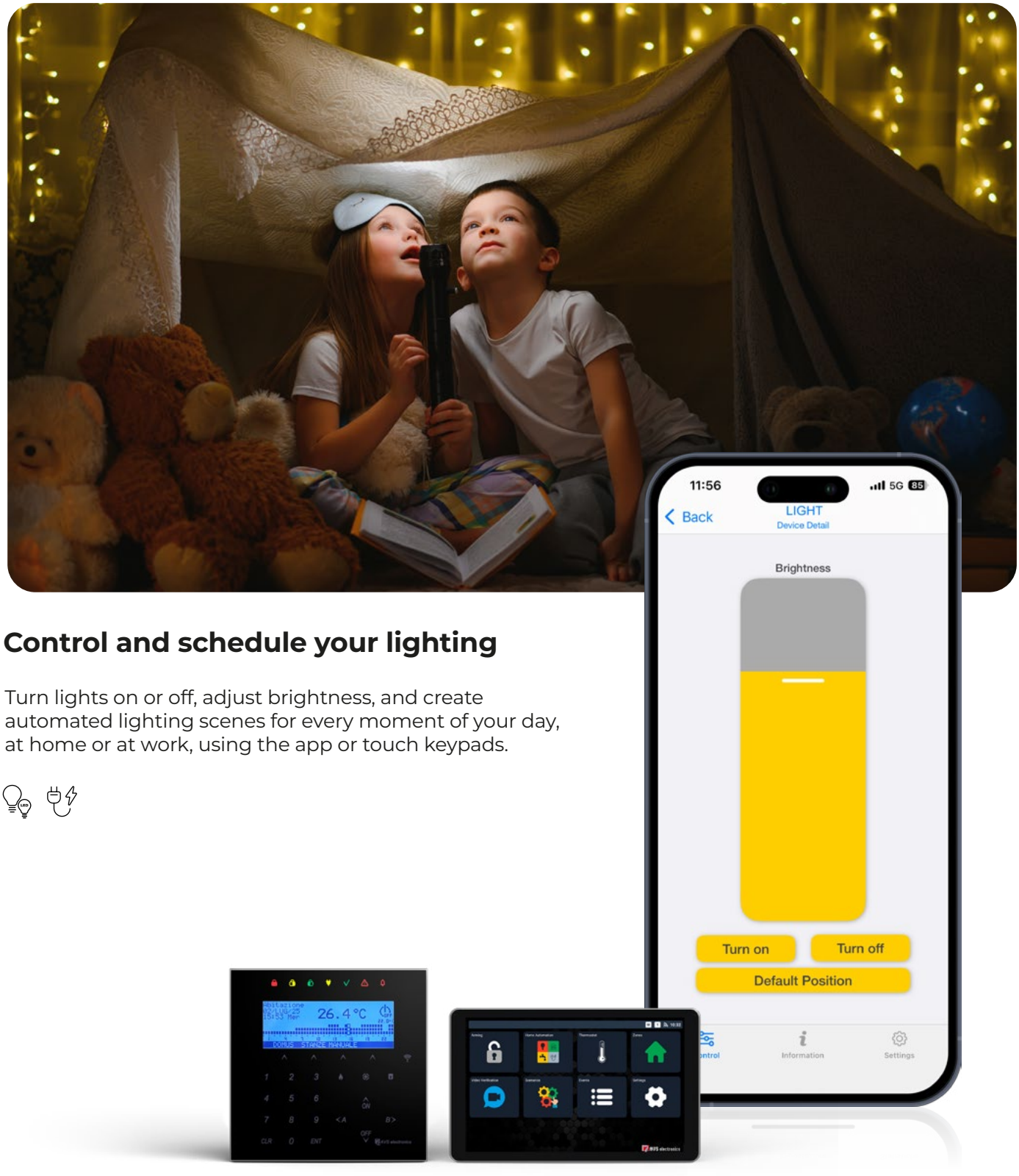
**Screen Savers**
Elegant clock and other smart widgets to keep you informed with a simple tap.

**Auto/Manual**
Three adjustment modes to provide optimal control based on your needs.

**Two Colors**
Choose according to your taste and the interior design of the installation space.

**Design**
Precision finishes and a transparent frame for seamless integration with various interior styles.

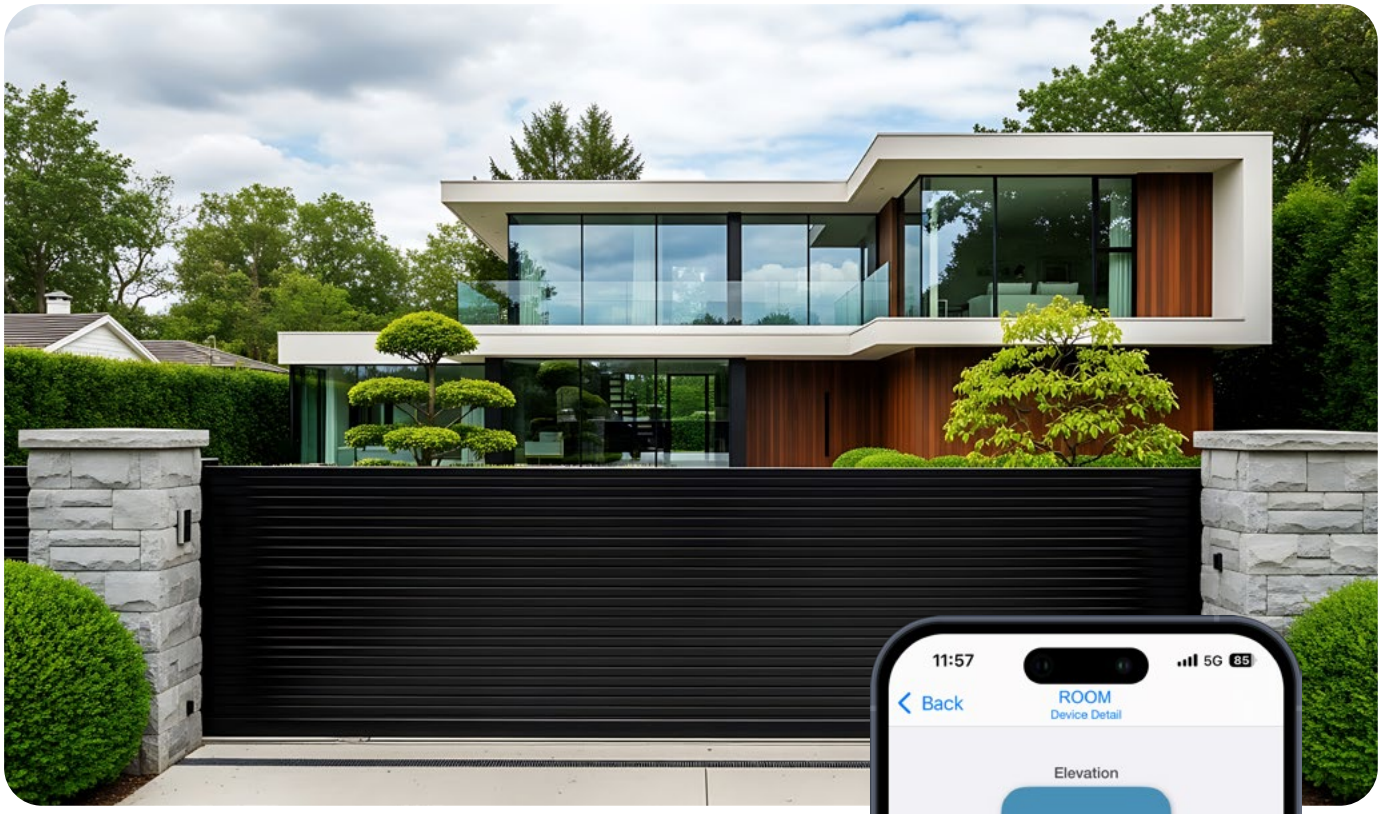
# DIMMER LIGHTING




## Control and schedule your lighting

Turn lights on or off, adjust brightness, and create automated lighting scenes for every moment of your day, at home or at work, using the app or touch keypads.

# MOTORIZED SYSTEMS



## Control motorized devices

Operate indoor or outdoor motorized blinds, tilt doors, shutters, roller gates, and other motorized systems (including gates or pedestrian gates) from anywhere using the app or touch keypads.



# ELECTRICAL LOAD CONTROL & ENERGY SAVINGS

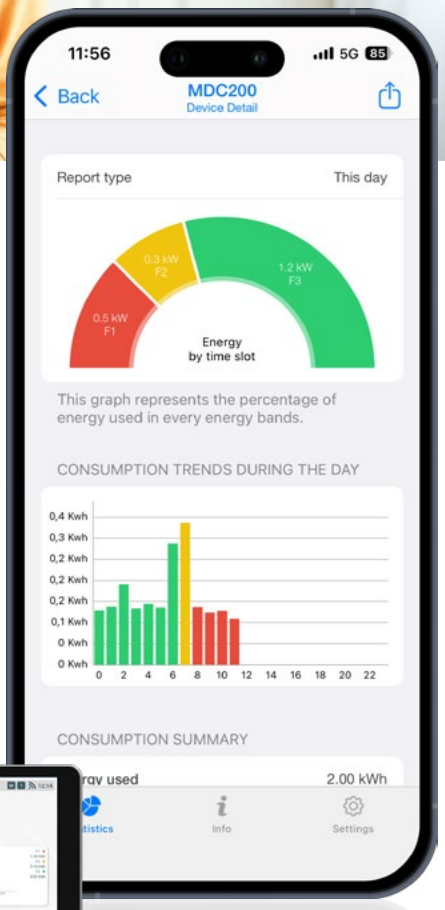


## Monitor your energy consumption

With MyAVS Alarm app and touch keypads, you can view your electricity consumptions graphically, showing daily, weekly, monthly, and yearly trends, with the option to customize time slots.

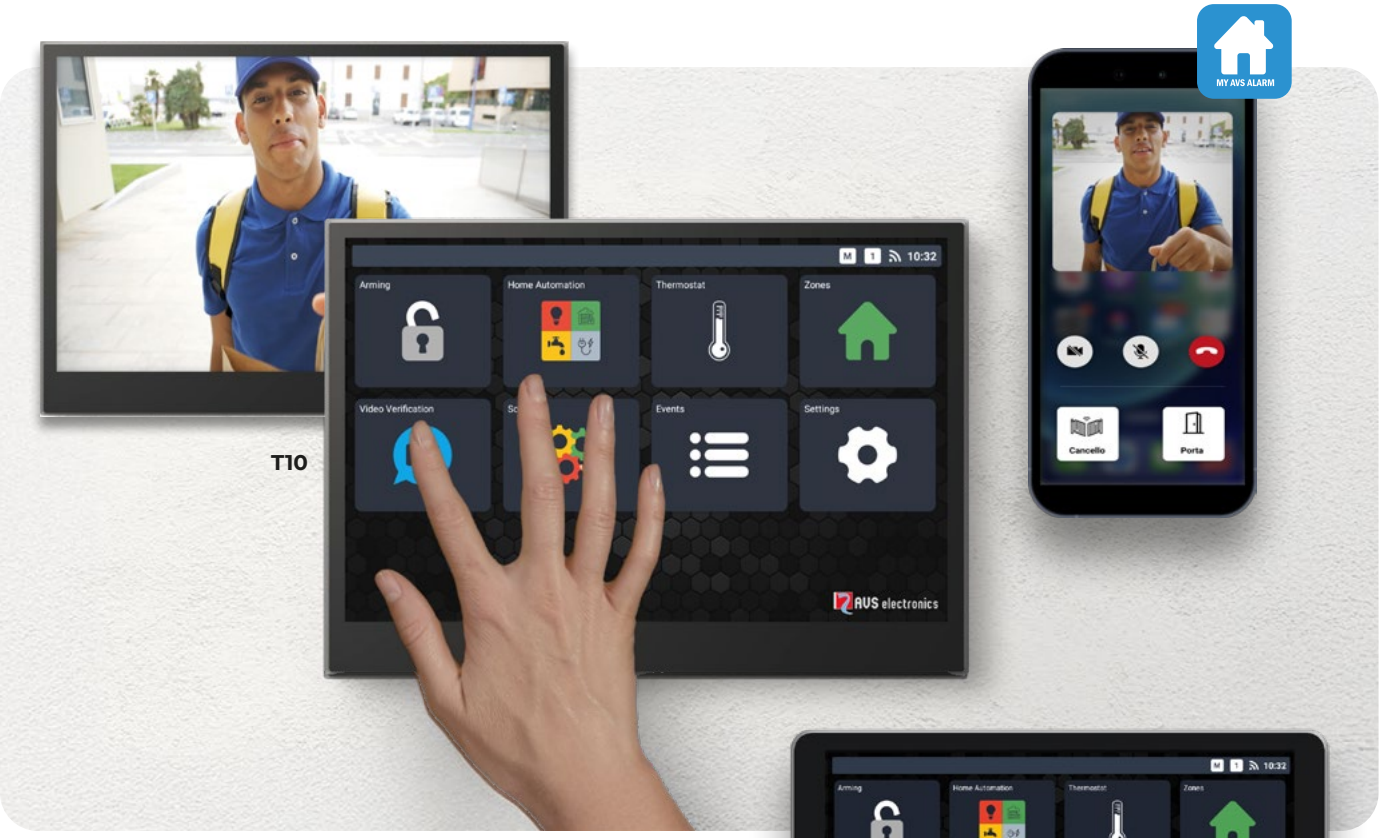
**Manage overload priorities**
You can also decide which devices remain active during energy overloads, ensuring optimal power management.








# VIDEO INTERCOM




T10

T8

## Integrated video intercom

Answer your video doorphone calls **from your home touch keypad or from anywhere using the My AVS Alarm app**.

**With T8–T10, video intercom integrates seamlessly with ULTRA.**



The Ultra system is compatible with **SIP-based video doorphones** from the leading brands on the market.



**The intercom function** enables instant audio communication between internal monitors and enabled devices, enhancing comfort, control, and security within your home.

# **PURCHASE GUIDE** – Home Automation modules

## UNIVERSAL HOME AUTOMATION MODULES
**(for lights, appliances, sockets, and 230 V electrical devices)**

### WIRELESS



**MDS 201**
1-Relay module – **10 A / 250 V AC Output**

**MDS 202**
2-Relay module – **Outputs: 2x 4 A / 250 V AC**

### WIRED



**MDS 402-RS**
RS485 Home Automation module – 2 Relays, 5 Inputs
**Outputs: 2×12 A / 250 V AC**



**MDS 404-RS WT DIN**
4-Relay / 6-Input DIN rail module
**Outputs: 4×12 A / 250 V AC**

## DIMMER LIGHTING

### WIRELESS



**MDD 201**
Dimmer module
**1 A / 250 V AC Output**

### WIRED



**MDD 401-RS**
Dimmer module – 4 Inputs (Up & Down),
**2 Analog Outputs 0–10 V**
**2 Analog Inputs 0-10 V**

## MOTORIZED SYSTEMS

### WIRELESS



**MDR 201**
Shutter module
**2x 4 A outputs**

### WIRED



**MDR 401-RS**
Shutter module
**2x12A/250 Vac outputs**

## ELECTRICAL LOAD CONTROL & ENERGY SAVINGS

### WIRELESS



**MDC 200**
Home Automation module for load control and energy monitoring.
**Maximum measurable power: 6,900 W / 230 V AC**

## TEMPERATURE CONTROL

### CONTROL UNITS



**A1000**



**T8 / T10**



**MDT 400-RS WT**
Chronothermostat – 1 Analog Output 0–10 V.
Available in two colors: white and black



**APP**

### DISPLAY UNITS

#### WIRELESS



**MST 015**
Temperature probe for wireless modules



**MDT 400-RS WT**
Chronothermostat



**TERM WS4**
Wireless ambient temperature detector

**A1000**

### COMMAND UNITS

#### WIRELESS



**MDS 201**
1-relay module

**MDS 202**
2-relay module

#### WIRED



**MDS 402-RS**
RS485 Home Automation module – 2 Relays, 5 Inputs



**MDS 404-RS WT DIN**
4-Relay / 6-Input DIN Rail module


**AVS ELECTRONICS S.p.A.**
Via Valsugana 63 - 35010 Curtarolo (PD) - Italy - Tel. +39 049 9698 411
avs@avselectronics.it - **www.avselectronics.com**



spherica.it



Edition: March 2026