

## Home automation Nurse calling system

**This call system is an extension of AVE DOMINA plus home automation system that allows the management and monitoring of calls coming from the various areas or departments.**

Thanks to the potential and flexibility of **AVE DOMINA plus home automation**, it's possible to create a **high-performance call system**, which simplifies and facilitates the management and supervision of **two different kinds of calls** (emergency and service) that comes from the areas or departments of the monitored building.

Ideal for **nursing homes**, retirement homes and for all those buildings that require this kind of services (hotels, B&B, schools, etc.), this solution takes advantage of the "bus" wiring architecture (typical of home automation), allowing the realization of an advanced system that integrates local call and identification terminals, optical-acoustic signalling devices and supervision terminals. Each time a **local call** is activated - by acting on the pull button or by the extractable call terminal (code CALLP01) - it's addressed to the home automation "bus" which, almost simultaneously, activates the optical-acoustic signals outside the room and the general one:

- In the case of **emergency calls**, the system activates the visual and sound signals in the corridor and the visual signal corresponding to the caller's number on the supervision devices in the reception. The sounder emits a flashing visual signal and a sound dedicated to emergency calls.
- In the case of **service calls**, the system activates the visual and sound signals in the corridor and the visual signal corresponding to the caller's number on the supervision devices in the reception. The sounder emits a continuous visual signal and a sound dedicated to the service calls (different from the sound of the emergency call). In addition, an optical green visual signal is turned on.

The system requires each department is monitored with **distributed logic** through the innovative **home automation Touch Screen supervisor TS01**. It's possible to keep the entire structure under control, either directly from the local display through a stylized graphic interface, or through practical customizable graphic maps able to return a graphic representation of the building that can be consulted via web pages, thus allowing you to view comfortably the status of each room and manage the system. If a call occurs, in addition to local and general signals, the home automation supervisor records the event in the "Alarm list" identifying the date, hours and representing the room from which it started.

**The department is monitored and managed by a local supervisor** who constantly checks the correct functioning of the home automation modules connected to it by signalling acoustically and visually any faults and/or calls through internal buzzer and turn on the display with the alarm. It also replicates this information to the home automation modules and the acoustical signalling. These signals must be acknowledged by an appropriate manoeuvre performed on the local display.

**The entire building is supervised by a central point** using a web browser connected via a TCP/IP connection to the technology hub (code 53WBS-HUB). Through the web interface generated by it, you can see what it's happening inside the building and consult the events history. You can also combine one or more areas of the building so that a local area supervisor is able to notify the calls of others who are unsupervised in that moment.

Thanks to the exceptional flexibility and scalability of the evolved DOMINA plus system, **AVE allows the creation of a home automation call system** that excels in terms of reliability, usability, supervision and security: the **perfect solution for nursing homes** and social-assistance buildings, where there is the need for the calls' supervision, but also the integration with the home automation system for better building management and energy saving.

Rezzato, 15 November 2018

[www.ave.it](http://www.ave.it)