

## **AVE energy monitoring innovations for a green building**

**AVE presents three new devices: a single/three-phase energy meter, a relay with integrated current sensor in a DIN-rail and S44 frames versions.**

Increasing awareness of the environmental impact of our habits is driving consumers and businesses towards more sustainable solutions. In this direction, AVE announces the launch of a series of **new energy monitoring devices** designed to make buildings greener. These tools make it possible to control, measure and supervise the electrical system, promoting more efficient and responsible energy management. With the possibility, through the web server, to have hourly, daily, monthly and yearly monitoring of the controlled loads.

### **DIN-rail mounted single/three phase energy meter – Code 53ABM3S**

In a single DIN module, it allows one three-phase load or three single-phase loads to be monitored. The current is read by connecting amperometric transformers, one of which is included in the package. It can also be combined with an AVEbus actuator already present on the system; in this way, trip thresholds can be set to switch off loads in the event of excessive consumption. Being powered directly from the bus, it guarantees precise monitoring by signaling any power failures.

### **DIN-rail relay with current sensor – Code 53ABR1S**

A 16A relay in a DIN module with integrated current sensor. It allows the monitoring, control and management of a connected load. If the consumption of the connected load is less than 16A, monitoring can be carried out directly on the output; in the case of higher loads, an amperometric transformer can be connected to the dedicated terminal block and the load can be controlled via a back-up relay. The device, which functions as an actuator for home automation, offers monitoring of the consumption of the connected load, with the possibility of setting trip thresholds to deactivate the device in the event of high consumption.

### **S44-frames relay with current sensor – Code 44xABR1S**

This 16A relay with integrated current sensor can be installed in all AVE S44 frames. It's designed to monitor, control and manage a connected load. In combination with a socket, it can be used to control and intelligently manage household appliances such as dishwashers and washing machines. A trip threshold can also be set to switch off the load in the event of high consumption.

With these new devices, AVE confirms its commitment to innovation and sustainability, offering monitoring tools for conscious and responsible energy management. **An important step towards greener and smarter buildings.**

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