



SMART VISION 5



Plug & Play



Display

DESCRIPTION

Control solution for Building Management Systems, SMARTVISION model, composed of:

Management server and software accessible via mobile devices, tablets, or desktops. Communication infrastructure with equipment enabling interconnection between management stations and system controllers. Data storage capacity of up to 6 years with 15-minute interval records.

DDC controllers with BACnet Building Controller B-BC certification and compliant with VDI3814 (DIN EN ISO 16484). Integrated graphical web server accessible via mobile phone or desktop. 16 GB SD card for storing up to 1,000 trend log objects with 64,000 records each.

Onboard interfaces: 0-10 V 10 Bit analog outputs, 230 V AC / 6A relays, universal inputs, RS485 for Modbus RTU master or BACnet MS/TP communication.

45 expansion modules available for a complete BMS system, including ModBus master/slave gateways, M-Bus, DALI, KNX, EnOcean, MPBUS, SMI, etc.

ADVANTAGES

- Possibility of supplying a complete Plug & Play solution with factory-mounted electrical panel.
- Customized interface on the server where the software is installed.
- WEBVISION 5 dashboard with flexible use through graphical editor.
- Installation KPI calculation.

CHARACTERISTICS

- Centralized control system with Building Management Software.
- Solution for installations with thermal capacity >290 kW.
- Possibility of supply with factory-mounted electrical panel (EP).
- BACnet Building Controller B-BC rev.1.15 certified controller.
- Unlimited integration of variables per equipment.
- User access profile configuration.
- Server with historical data storage capacity up to 6 years.

FUNCTIONS

Centralization, in at least one human-machine interface, of operational capability through dynamic synoptics, operation optimization, alarm management, event management, and historical archive with report generation capability. Communication capability between technical systems and other equipment through standardized protocols (Modbus, BACnet, DALI, KNX, M-Bus, etc.). Capability to perform electrical energy metering by system or HVAC installation; general metering for lighting systems; general metering of electrical energy, thermal energy, and other building energy sources. Capability to maintain historical data archives, exportable to spreadsheets and common file formats, for the last 6 years of the following variables with a minimum 15-minute interval; outdoor air temperature and humidity; average indoor air temperature, or temperature of each individually controlled zone; Electric motor operating times; CO₂ measurement, when applicable; water outlet temperature from cooling and heating generating equipment.

