



TM

A-SAU

CONTROL CABINETS OF VENTILATION SYSTEM

cabinet designed to control:
THE AIR HANDLING UNITS
THE SUPPLY AND EXHAUST UNITS
WITH WATER HEATER OR WITH ELECTRIC HEATER

- + HIGH QUALITY OF ASSEMBLY OPERATION
- + AFFORDABLE PRICE
- + MINIMUM TERM OF DELIVERY
- + THE POSSIBILITY OF APPLYING WITH ALL TYPES OF VENTILATION UNITS
- + INFORMATIVE MARKING

A-SAU-VN0-1-FN1-0-0



- scheme type: _____

V0 – fan control, **VN0** – water heater,

EN(1) – an electric heater with 1 stage up to 15 kW,

EN(2) – an electric heater with 2 stage up to 15 kW,

EN(3) – an electric heater with 3 stage up to 15 kW;

CVN0 – water heater, water cooler;

CEN(1) – electric heater, cooling KKB.

WARNING: CVN0 and CEN(1) schemes when the control type DU

- scheme number: _____

1 – air handling unit, **2** – supply and exhaust unit;

- ventilation type: _____

FN1 – single phase fan with external rotor (for example: C-PKV, C-VENT);

FN3 – three phase fan with external rotor (for example: C-PKV, C-VENT);

FV3 – fan with induction motor (for example: C-KVARK, VSK);

FE1 – EC-single phase fans; **FE3** – EC-three phase fans;

FC3 – frequency convertor control;

- electric motor current: _____

0 – for FN1, FN3, FE1, FE3; **electric motor current** for FV3 and FC3

(motor current for supply and exhaust units indicated by a semicolon)

- control type: _____

0 – control from the cabinet; **DU** – remote control



*the appearance of the cabinet can be different from image

IT IS ALSO POSSIBLE THE PRODUCTION OF CABINETS BY THE CUSTOMIZED MANUFACTURING

WARNING: Standard the maximum connected capacity of fan motor 7,5 kW.

For connecting of the electric motor more than 7,5 kW is necessary to send a request and individual calculation and cost calculation.

WARNING: The type of sensing element of sensors NTC10 when select the type of control DU

WARNING: Standard design of cabinet assumes METAL type of housing.

It is possible the cabinet design with PLASTIC type of housing on special request.

WARNING: Standard power of damper actuators - 220 V.

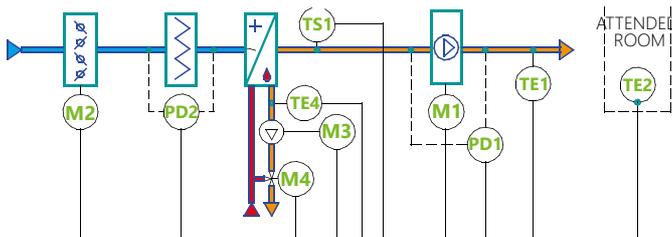
FEATURES OF CONTROL CABINET

- + the appliance of reliable components of European manufacturers;
- + protection and control of actuating mechanism (for the fans, valves, actuators);
- + filter clogging control;
- + connection of fire alarm system;
- + the availability of equipment status indication;
- + the presence of local government;
- + availability of full documentation package (passport, a set of diagrams, specifications, operator's manual, user's guide).

CONTROL CABINETS OF VENTILATION SYSTEM A-SAU CAN BE CONNECTED WITH VARIOUS AMOUNTS OF SENSORS DEPENDING ON THE NUMBER OF THE SCHEME AND FUNCTIONAL

For schemes **A-SAU-V0** - the connection is not provided for the sensors.

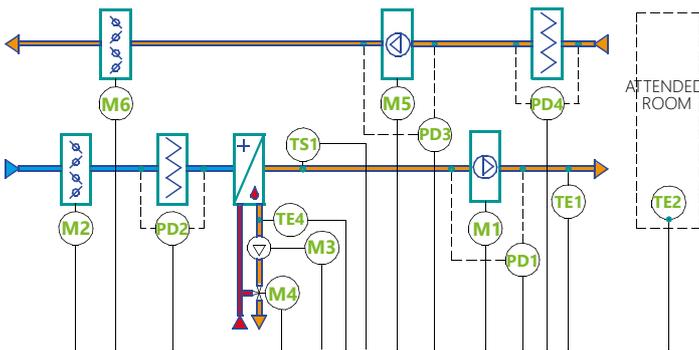
For schemes **A-SAU-VN0-1** – envisaged the connection:



- TE4* - return heat carrier sensor (Pt1000, Ni1000);
- TE1* - air temperature sensor in the duct (Pt1000, Ni1000);
- TE2 - air temperature sensor in the premises (Pt1000, Ni1000);
- TS1* - thermostat antifreeze through the air;
- PD1* - differential pressure switch on the forced-ventilation fan;
- PD2 - differential pressure switch on the forced-ventilation filter.

* The availability of sensors in the system is necessarily

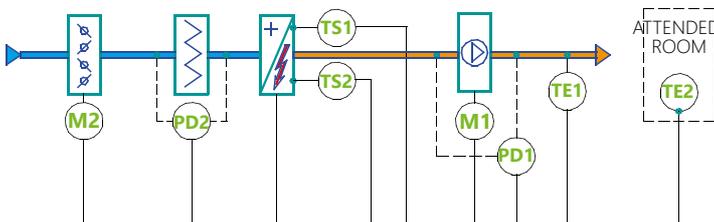
For schemes **A-SAU-VN0-2** – envisaged the connection:



- TE4* - return heat carrier sensor (Pt1000, Ni1000);
- TE1* - air temperature sensor in the duct (Pt1000, Ni1000);
- TE2 - air temperature sensor in the premises (Pt1000, Ni1000);
- TS1* - thermostat antifreeze through the air;
- PD1* - differential pressure switch on the forced-ventilation fan;
- PD3* - differential pressure switch on the exhaust fan;
- PD2 - differential pressure switch on the forced-ventilation filter;
- PD4 - differential pressure switch on the exhaust filter.

* The availability of sensors in the system is necessarily

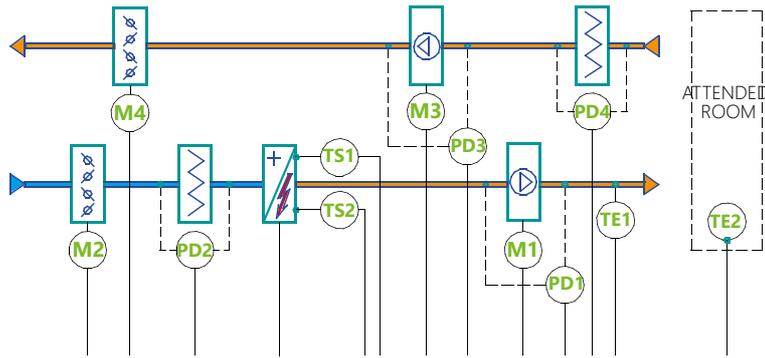
For schemes **A-SAU-EN-(1, 2, 3)-1** – envisaged the connection:



- TE1* - air temperature sensor in the duct (Pt1000, Ni1000);
- TE2 - air temperature sensor in the premises (Pt1000, Ni1000);
- TS1, TS2* - protection thermostat from overheating EVN (2 pcs);
- PD1* - differential pressure switch on the forced-ventilation fan;
- PD2- differential pressure switch on the forced-ventilation filter.

* The availability of sensors in the system is necessarily

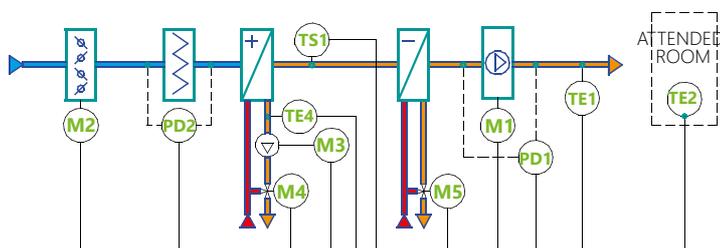
For schemes **A-SAU-EN-(1, 2, 3)-2** – envisaged the connection:



- TE1* - air temperature sensor in the duct (Pt1000, Ni1000);
- TE2 - air temperature sensor in the premises (Pt1000, Ni1000);
- TS1, TS2* - protection thermostat from overheating EVN (2 pcs);
- PD1* - differential pressure switch on the forced-ventilation fan;
- PD3* - differential pressure switch on the exhaust fan;
- PD2 - differential pressure switch on the forced-ventilation;
- PD4 - differential pressure switch on the exhaust filter.

* The availability of sensors in the system is necessarily

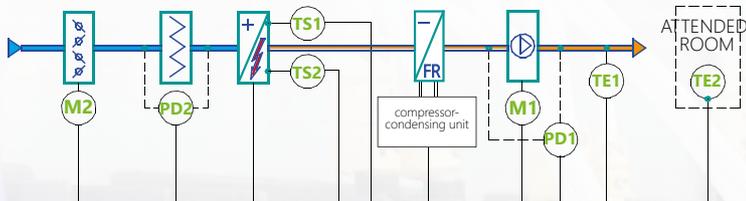
For schemes **A-SAU-CVNO** – envisaged the connection:



- TE4* - return heat carrier sensor (NTC10K);
- TE1* - air temperature sensor in the duct (NTC10K);
- TE2 - air temperature sensor in the premises (NTC10K);
- TS1* - thermostat antifreeze through the air;
- PD1* - differential pressure switch on the forced-ventilation fan;
- PD2 - differential pressure switch on the forced-ventilation filter.

* The availability of sensors in the system is necessarily

For schemes **A-SAU-CEN-(1)** – envisaged the connection:



- TE1* - air temperature sensor in the duct (NTC10K);
- TE2 - air temperature sensor in the premises (NTC10K);
- TS1, TS2* - protection thermostat from overheating EVN (2 pcs);
- PD1* - differential pressure switch on the forced-ventilation fan;
- PD2- differential pressure switch on the forced-ventilation filter.

* The availability of sensors in the system is necessarily

**SENSORS ORDERED SEPARATELY.
IT IS NOT IN THE SUPPLY PACKAGE**

COMPANY RESERVES THE RIGHT TO CHANGE DESIGN AND COMPONENTS WITHOUT NOTICE
WHILE RETAINING THEIR CONSUMER PROPERTIES

**THIS KIND OF PRODUCTION IS SUPPORTED IN THE WAREHOUSE
INFORMATION ABOUT AVAILABILITY YOU CAN GET FROM OUR MANAGER**



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