

**DESCRIPTION:**

The VAV Control and Monitoring System is specifically designed for pressure-independent control of airflow. Designers work closely with the manufacturers of air volume controllers to ensure its adaptability w/ different brand of boxes and interfacing w/ different kinds of controls (BMS/BAS, PI, PID controls, and others).

This gives advantage to the manufacturers to accurately adapt their equipment for the specified values of air volume by the consultant. The MFT (Multifunction) technology emphasizes flexibility thru programming of the control's parameters and user's interface capabilities.

Features:**User Friendly Interfacing**

1. The user can adjust the air conditions in his/her room according need.
2. Password protected programmable user and control parameters for added security
3. Configurable LCD displays

Open & Flexible

1. BACNET comply, UKLON & MP-BUS interface of VAV actuator via MP-Bus or UK-LON interface.
2. Open for additional wall mounted/averaging, duct mounted type thermistors that offer high accuracy that are enclosed in a specific housing for long-life and efficient operation.
3. Temperature analog output for BMS
4. Damper position output for BMS
5. Adaptable to most of the VAV brands and BMS/System integrators
6. Option for external temperature input.

Economic:

1. Energy saving w/ stand-by functionality and adaptation of set points.
2. Independent 7-day time schedules

Intelligent VAV Actuator:

Type	Multifunction
Nominal Voltage	AC 24 V 50/60 Hz, DC 24 V
Voltage Range	AC 19.2....28.8V, DC 21.6....28.8V
For Wire Sizing	5VA
Power consumption	3W
Connecting Cable	Cable 1m, 5 x 0.75 mm
Control signal	DC 0...10V @ 100Kohms, 3-point floating (programmable)
Operating Signal	DC 2....10V for 0 – 100% stroke (programmable)
Sensor Range	2...300Pa(OEM dependent)
Direction of Protection	L/R selectable
Protection Class	III (Safety extra low voltage)
Degree of Protection	IP42
Actuating Force	Min. 8Nm
EMC	CE According to 89/336/EEC and 92/31/EEC
Sound Power Level	Max. 35 db
Maintenance	Maintenance Fee

**Intelligent Controller Technical Data:**

Type	Multifunction
Nominal Voltage	AC 21.5 – 26.5 50/60Hz
Power Consumption	2VA
Input Signal	0-10V DC, Min and Max Adjustable via software
Resolution	39 mV
Output Signal	0 – 10V DC, min and max. adjustable via software
Maximum Load	20 mA, 500ohms
Control Temp. Range	10 to 35c
Measured Temp. Range	0 to 40c
Display Precision	0.5K
Environment	Please refer to ENYE technical brochures
Standards	Please refer to ENEY technical brochures
General	Please refer to ENYE technical brochures

