Sentido®

DIN-Rail Mount Advanced Climate Control Module that installs near HAVC unit to save cost of wiring and to eliminate the need for standard ugly thermostats. being C,BUS enabled it can be controlled flexibly from any DDP panel and any BMS Automation Software. The HVAC Module can control Single and Multi stage Units (Heat, Cool, Fan low, High, Medium, VAV 0-10VDC) it can Handle any FCU, AHU, VAV System. With easy labeling space, Comes ready with LED indicator, network health, broadcast button. Good for applications witch require energy saving, Health intelligent control such as residential, commercial or industrial.

Advanced: HVAC Can be Manually Programmed by any Electrician on site without need for PC.

Technical data

Power Compatibility
HAVC 80-240VAC, 50/60Hz
HVAC 12-48VAC Types
FAN/VAV 0-10VDC
Power consumption: 20-25mA

System Compatibility
AHU (Air handling Units)
FCU (Fan Coil Units)
Single & Multi Stage Cool/Heat
3-Fan Speed (H,M,L)
VAV Damper Control (0-10V)

Outputs
3 x Separated Switched Relay outputs rated at 16A each Ch.

Control IO
3 x Advanced RS485 S-BUS serial port links (both train & screw link types)

Upgrade IO
1 x mini USB port (to connect to special programming board)

User Controls
· LED status indicator/channel
· Diagnostic LED+ BROADCAST

Programming
· Manual Pairing Programming to DDP Panel.
· Advanced Software Configuration & Programming

Compliance
CE Mark Low Voltage
CE Mark EMC
ROHs, CPT, SABS

Operation Protection
· PID Compressor Sequence
· Protecting Delay 0-60min
· Startup Delay 0-25 Sec.
· BUS Rv. Polarity Protection
· BUS Short Circuit Protection

Presets
Accept Celosias and Fahrenheit temperature Settings
Cool temp Preset, Heat Preset.

Installation
· 35mm DIN-Rail Mount Ready
· Wall Mount Ready (4P)

CBUS DC Supply
24VDC with flexible tolerance between 12-36VDC. Flexible ability to add power supply as to be needed any where

Wiring Terminals
10 each is good for 2 x 2.5mm$_2$ or 1 x 4mm$_2$ max conductor size

Operating Environment
0° to 45°C ambient temperature
20% to 93% RH
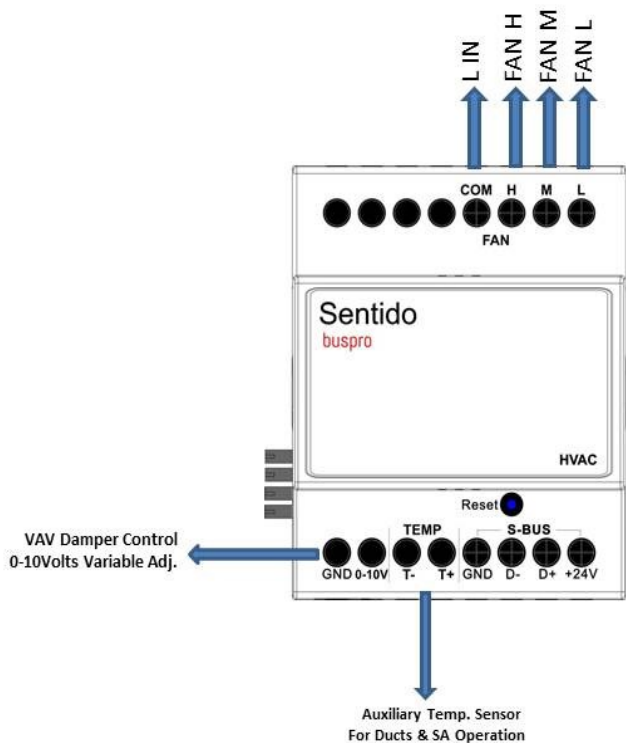
Enclosure & Size
Polycarbonate, DIN-rail (4 Unit)

Dimensions & Weight
W 91mm x L 73mm x H 75mm
Packed weight 0.26 kg

www.smartsentido.com

HVAC compatibility

· All Types of FCU
· VAV 0-10VDC

· All Types of AHU
· Relay Driven Fan Speed (H,M,L)

commercial

Sentido®

L IN　**FAN H**　**FAN M**　**FAN L**

COM H M L
FAN

Sentido
buspro

HVAC

Reset

VAV Damper Control
0-10Volts Variable Adj.

TEMP　　S-BUS
GND 0-10V T- T+ GND D- D+ +24V

Auxiliary Temp. Sensor
For Ducts & SA Operation

⚠ **Warning: this is an electrical product, it must be installed only by trained & licensed electrician**

C-BUS CONNECTION

+24V D+ D- GND

C.BUS Connector

CAT6 UTP Cable

Copper 98%

PROSPECTIVE　　　　**SIDE VIEW**
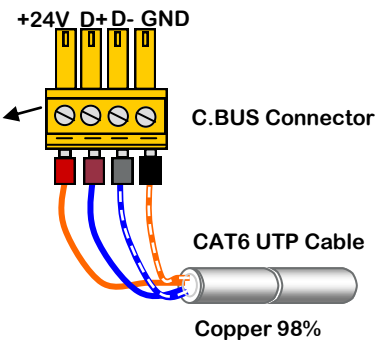
UTP core colors

S.BUS +24V	orange
S.BUS GND	w/orange
S.BUS D+	blue
S.BUS D-	w/blue
Spare	green
Spare	w/green
Spare +12v	brown
Spare -12V	W/brown

RoHS

CE