



RTD-20

VAM MODE



RTD Controller

The RTD-20 VAM mode control offers intelligent fresh air options throughout your ventilated spaces.

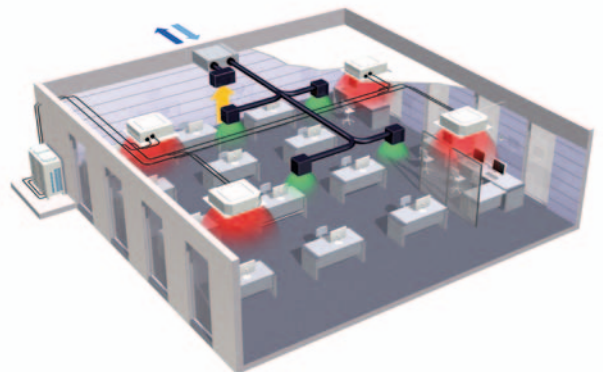
The addition of an RTD-20 in VAM mode gives you a high level of automated control to enable fresh air to be managed by multiple factors.

FEATURES

- Optimised air quality control via CO₂ sensors
- Simple BMS integration of all features, operation and monitoring
- Control via setpoint management
- Automatic mode control, heat recovery, bypass, purge
- Hard wired control by voltage or resistance
- Fire alarm interlock

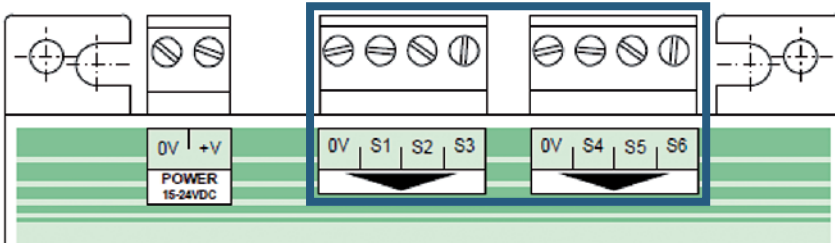
CONTROL POSSIBILITIES

Controlling the VAM unit's setpoint enables you to increase the efficiency of your air conditioning. A CO₂ sensor with suitable output scaling can control the fan speed to ensure high air quality and, damper control enables quick fresh up or negative air pressure control.



HARD WIRED CONTROL

As with other RTD products, the RTD-20 input hard wired controls are via the Voltage inputs at the top of the controller. All contacts are linked to the common 0V contact to close (make).



The following table shows which functions are controlled by which contacts.

CONTACT	DESCRIPTION	RESISTANCE MODE	VOLTAGE MODE
S1	Setpoint 16 to 32°C	0.3 to 10kΩ : 16 to 32°C Open Circuit: 22°C/AC Unit Short Circuit: Retail Primary SP	1 to 10V 16 to 32°C Open Circuit: 22°C/AC
S2	VAM Fan speed	Low<=1.1kΩ, High=2.2kΩ, High High =3.3kΩ, Open Circuit: R/C Unlocked	CO₂ Sensor Control Unit Off=0V, 0.9V, Low=1V, 4.4V, High=4.5V, 7.4V, High High=7.5, 10V No R/C control of fan speed in Voltage Control Mode
S3	VAM Damper	Open: Auto Damper, Heat Recovery=2.2kΩ, Bypass=3.3kΩ, Short Circuit: Auto Damper & Retail Primary trade operation only Permanent Open Circuit: Auto Damper & Retail Primary Occupancy operation only	Auto<=1.75V, Heat Recovery=3.25V, Bypass=4.75V
S5	Fire Alarm Unit enable		Open Circuit = Unit Disabled, Closed Circuit = Unit Enabled (If no fire alarm then link S5)
S6	Purge fresh air		Open Circuit = Normal, Closed Circuit = HH Fan / Damper Bypass Mode

For further information please refer to RTD-20 Control Interface Installation and Operating Instructions.



Authorised User No. 02061

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Daikin units comply with the European regulations that guarantee the safety of the product.

Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

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