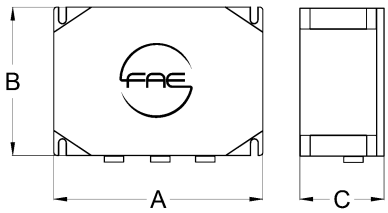
Il successo del vostro progetto è nell'aria...

VRM

FANS SPEED CONTROLLER FOR AC MONOPHASE FANS

VRM is used to adjust proportionally and continuously the speed of voltage adjustable fans, through a particular software which guarantees the best performance in regulation.
While functioning as "Chiller" it can supply power to and directly manage 1 or 2 pressure sensors at the same time, with an output voltage regulation directly proportional to the variation to the more signal detected. For "Heating" function is also available the maximum output function for the bypass of signal command to set the fans to the max speed.
While functioning as "Dry cooler" it can supply power to and directly manage 1 temperature sensor with an output voltage regulation directly proportional to the variation to the signal detected. VRM has 2 temperature set point and a regulation band, all settable. The values of pressure / temperature are established simply by modifying the position of 3 scale knobs.
While functioning as "Slave" it works as a simple voltage regulator whose command signal comes from a potentiometer or a remote control. On slave mode it's possible also to limit the voltage/speed from a low value to a High value.
On the card is installed an EMC filter suitable for residential, commercial and industrial environments. The control is inside a robust aluminium box with IP55 grade protection for outdoor.

Models	Power (kVA)	Current (A)	Weight (kG)	Dimensions (mm)		
				A	B	C
VRM 6	1,4	6	0,65	135	115	60
VRM 8	1,8	8	0,65	135	115	60
VRM12...SM	3	12	0,65	135	115	60
VRM 12	3	12	1,5	195	170	80



The standard version presents the following features:

- Mono-phase power supply 230Vac 50-60Hz,
- Working temperature: -25T50°C (-25T35°C for SM version) with IP55 grade; storage temperature -40T80°C,
- Analog inputs command and digital inputs of: start/stop, max speed / Set1-Set2 for modes of operation described above,
- Auxiliary output +V and +5V to supply the sensors or the potentiometer,
- Protections: Class II for input commands (4kV), class I for the accessible parts;
- Standard norms applied: EN60730-1, EN61800-6-3

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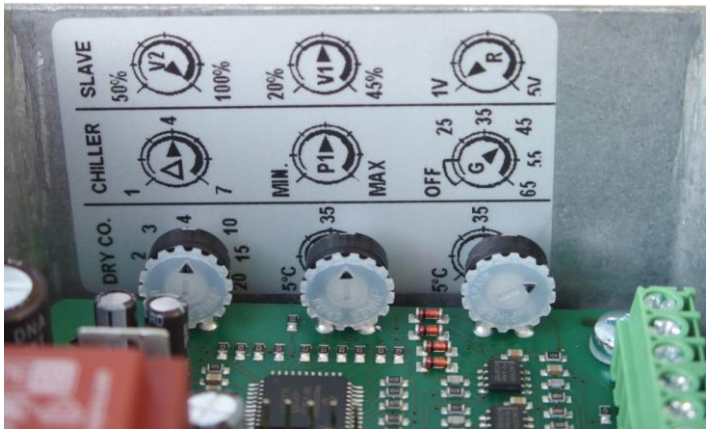
MICROSWITCHES and TRIMMERS

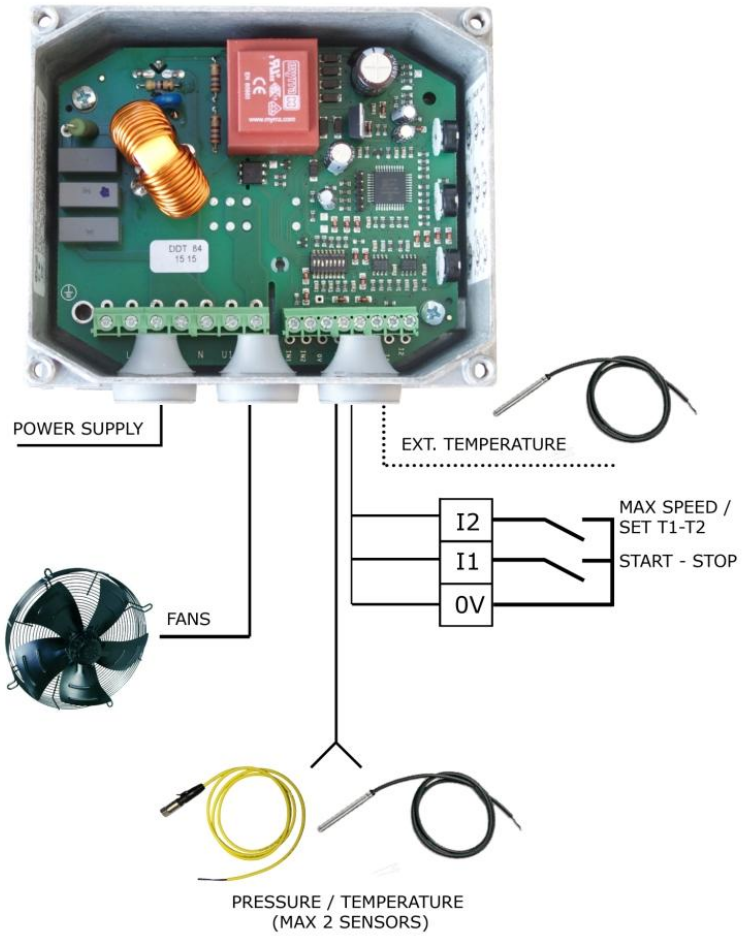
The programming of the controller will be simple and immediate thanks to a series of micro-switches that set the operating mode (Chiller, Dry Cooler or Slave), the full scale of the sensors and the cut-off function.

With the knobs can be varied the set pressure P1 (or temperature T1 / T2) and the proportional band (Δ).



FUNCTION OF VARIABLE BAND

This function adapts the adjustment of the load to the temperature of the external air so that it is kept stable even with very low external temperatures. Similarly, it allows remaining around the pressure of maximum performance of the compressor at high temperatures. It may be used in support of the function of load shedding, or as a self-device.



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