

# VRT 3V VRT 5V VRT 8V SINGLE-PHASE VOLTAGE REGULATORS

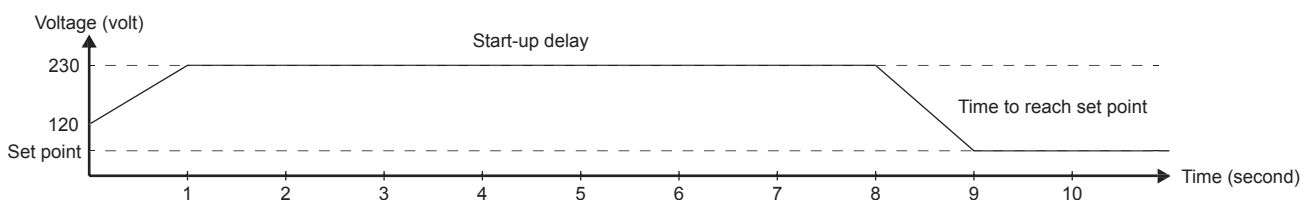
- ⇒ Model 3 A/0.6 kW or 5 A/1 kW or 8 A/1.6 kW
- ⇒ Microprocessor-controlled start-up
- ⇒ Microprocessor-controlled set point variation
- ⇒ On/Off switch independent of set point
- ⇒ Adjustable minimum voltage
- ⇒ Overvoltage and overload protection
- ⇒ EMC filtering
- ⇒ IP 54 Protection



## GENERAL DESCRIPTION

VRT \*V operate on the principle of conduction angle. A microprocessor based control system provides optimal control of the power semiconductor, increasing the range and stability of the output voltage.

VRT \*V are designed to control electric fans and ventilation units. Their specific start cycle produces rapid airflow.



## SPECIFICATIONS

### POWER SUPPLY

Voltage	230 Vac $\pm$ 15 %
Frequency	50 Hz $\pm$ 2 Hz
Power consumption (without charge)	30 mA
Protection	Overvoltage / overload

### LOAD OUTPUT

Voltage	From 0 to 98 % of power supply
Frequency	50 Hz $\pm$ 2 Hz

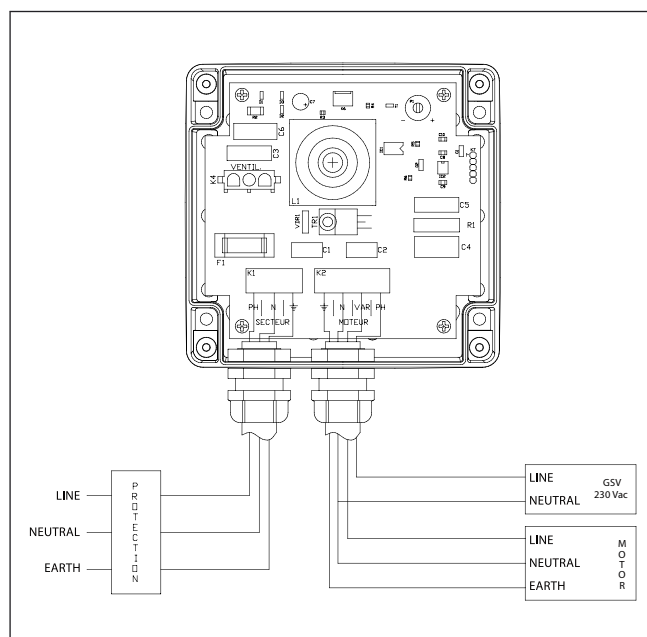
### OPERATING/STORAGE TEMPERATURES

Storage temperature range	-10 °C to +60 °C
Operating temperature range	-10 °C to +45 °C

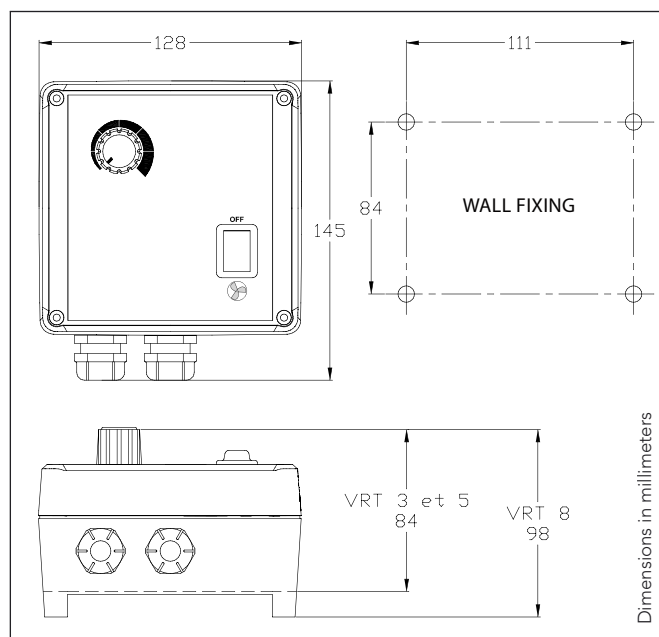
### MECHANICAL ENVIRONMENT

Protection	IP 54 (EN 60-529)
Dimensions VRT 3V	145 x 128 x 84 mm
Dimensions VRT 5V	145 x 128 x 84 mm
Dimensions VRT 8V	145 x 128 x 98 mm
Material	ABS UL94-V0
Color	RAL 9010
Connection	Cable 3 x 2.5 mm <sup>2</sup> max
Fixing	4 screws, max diameter 4 mm
Compliance with EMC directive	89/336/CEE
Compliance with LV directive	73/23/CEE

## CONNECTION



## SIZE



## SUMMARY

Reference	Power	Max current	Fuse	Weight
VRT 3V	600 W	3 A	5 x 20 mm 3.15 A Type T	0.450 Kg
VRT 5V	1000 W	5 A	5 x 20 mm 6.3 A Type T	0.480 Kg
VRT 8V	1600 W	8 A	5 x 20 mm 10.0 A Type T	0.620 Kg