



Solution details

The fan speed is adjusted in function of the measured temperature or relative humidity level – demand based ventilation made easy!
The RTVS1 transformer fan speed controller regulates the speed of single phase voltage controllable motors by varying the motor voltage in steps. Heating or cooling mode is available. The ODTHM HVAC transmitter can be connected to the RTVS1 fan speed controller via a standard UTP Ethernet Cat5 or Cat6E cable with RJ45 connector and loose wire ends at the other side - both Modbus RTU communication and 24 VDC power supply are supplied to the transmitter via this cable. All settings can be adjusted via Modbus RTU.
If the motor is equipped with TK temperature sensors, RTVS1 can detect motor overheating in an early stage and disable the motor to prevent damage.

Suited for motor type: 230 VAC voltage controllable motors
Motor control: Transformer fan speed controller
Minimum motor speed: Make sure that the minimum voltage remains high enough to avoid stalling of the motor.
Maximum motor current: 7,5 A

⚠ Consult the fan manufacturer for the correct wiring

Sentera products

Article code	Description
ODTHM RTVS1-75L22	Multifunction sensor for harsh environments Transformer fan speed controller

External products

AC fan with a voltage controllable motor I_{max} 7,5 A