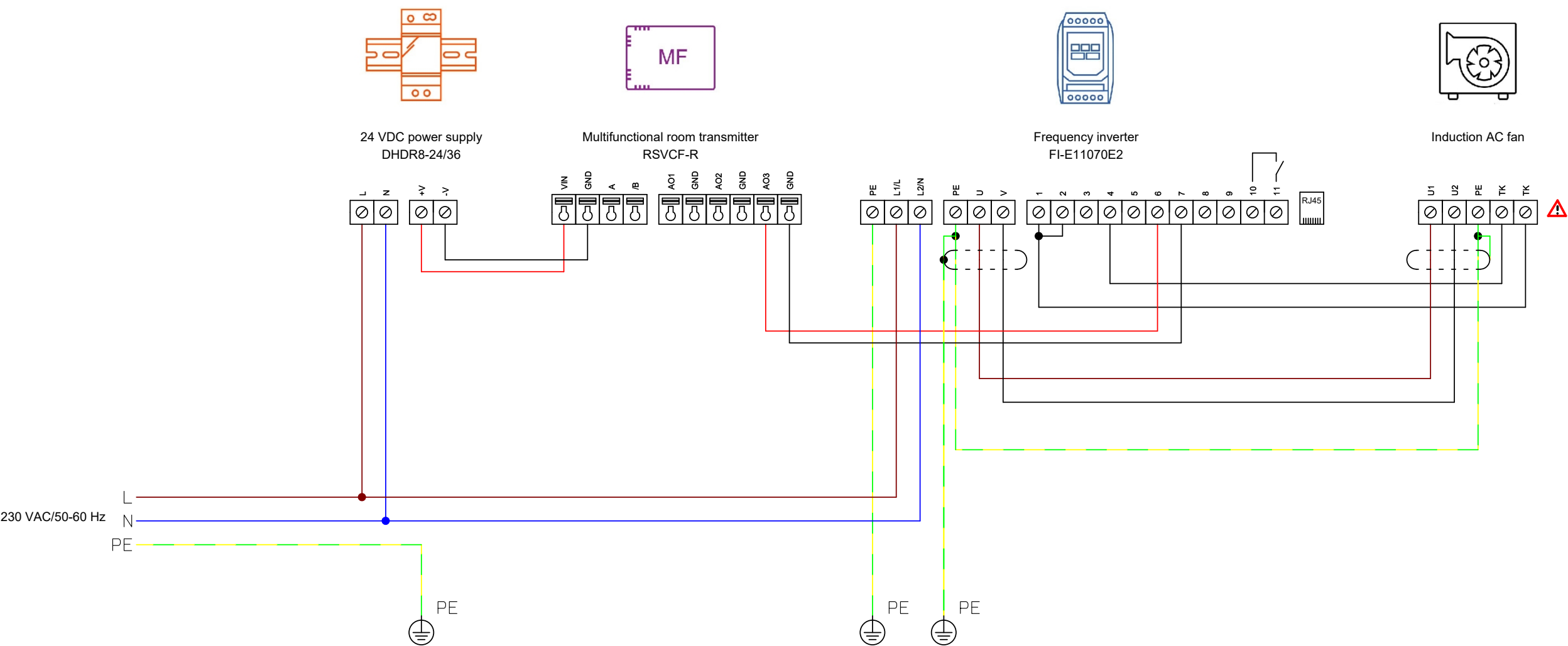




Solution details

The fan speed will be controlled based on the room air quality level.
The air quality level setpoint can be adjusted via frequency inverter keypad. Parameter (P45 PI digital setpoint).
TK or PTC monitoring for thermal motor protection.
If the motor features PTC, adjust parameter 47 in the frequency inverter towards 'Ptc-th'

Suited for motor type: 230 VAC single phase induction motors with TK or PTC thermal motor protection
Motor control: Demand controlled ventilation in function of the indoor air quality
Minimum motor speed: Make sure that the minimum voltage remains high enough to avoid stalling of the motor.
Maximum motor current: 7 A

Set frequency inverter parameters:
P12=5 P15=14
P43=1 P48=1
P30=Auto-0

⚠ Consult the fan manufacturer for the correct wiring

Sentera products

Article code	Description
DHDR8-24/36 FI-E11070E2 RSVCF-R	24 VDC power supply Frequency inverter Multifunctional room transmitter

External products

AC fan with an induction motor I_{max} 7 A