SENTERA
C O N T R O L S

24 VDC power supply
DHDR8-24/36

Differential pressure, air flow controller
DPSPF-1K0-2

Electronic fan speed controller
EVSS1100-DM

Voltage controllable
AC fan

L   N   +V   -V

Vin GND A /B Ao1 GND

L N L1 PE U1 U2 TK TK N AL   SW   A /B +V AI GND

U1 U2 PE TK TK

230 VAC/50-60 Hz
L
N
PE

PE

PE

PE

Solution details

The AC fan will be controlled based on the pressure level.
The pressure setpoint and other parameters of the DPSPF pressure controller can be modified via
Modbus RTU communication.
TK monitoring for thermal motor protection.

Suited for motor type: 230 VAC voltage controllable motors
Motor control: Electronic fan speed controller
Minimum motor speed: Make sure that the minimum voltage remains high enough to avoid stalling of the motor.
Maximum motor current: 10 A

⚠ Consult the fan manufacturer for the correct wiring

Sentera products

Article code	Description
DHDR8-24/36	24 VDC power supply
DPSPF-1K0-2	Differential pressure, air flow controller
EVSS1100-DM	Electronic fan speed controller
PSET-PVC-200	Differential pressure connection set

External products

AC fan with a voltage controllable motor Imax 10 A