



ACUE 3000 48V CLIMATE CONTROLLER

Dantherm ACUE 3000 is a microprocessor based climate controller, intended for controlling 48V DC EC-fan motors.

It controls up to four 0-10V fans, one AC cooling unit and an electric heater element. It also controls two 24V DC damper outputs. One for TC-function and one for exhaust damper. ACUE 3000 is primary using free cooling but can also, if needed, start an AC-unit.

ACUE 3000 has potential free relay alarm outputs for supervision of fire alarm, filter alarm, fan alarms and high/low-temperature alarms.

FEATURES AND BENEFITS

Control

- Continuous regulation of fan motors with 0-10V control inputs.
- Tacho contact motor supervision.
- Damper motor control for air inlet and exhaust.
- Damper motor control for Temperature Compensation, TC-function.
- LCD display setting for all parameters and values in plain language.
- Selectable menu language, English/Swedish/German.
- Built in self-test.
- RS-232 serial communication using MODBUS-RTU protocol.
- Control of one external AC unit.

Enclosure

- ABS plastic IP55.

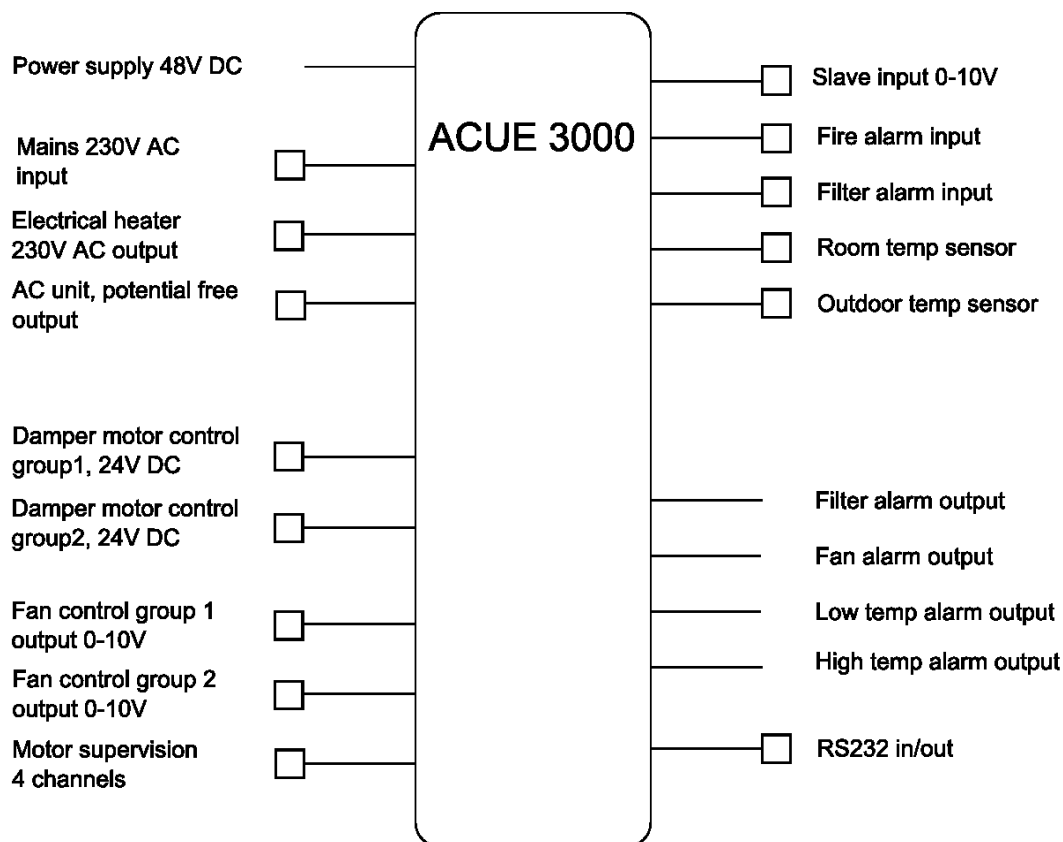
Suitable for

- Total heat management with energy optimization via free cooling, supported by Air Conditioning, temperature compensation and heating.
- Changeable settings of heater, cooling set points, installed with high temperature alarm
- Galvanic insulated alarm outputs for high/low temperature, fire, filter and fan.

TECHNICAL DATA
ACUE 3000 48V CLIMATE CONTROLLER

Version	Value/Unit
Power supply voltage	48 V DC
Internal power consumption	3W
Fan supply voltage	48 V DC
Fan control voltage	0-10V DC
Electrical radiator (resistive load)	230 V AC, max 6A
Relay for AC cooling unit	3A max. Potential free closure
Damper motor voltage	24 V DC
Alarm relay outputs, jumper selectable NC / NO	24 V / 0,5A DC max, potential free
Operating temperature	0°C - 50°C
Humidity	<95% RF, non-condensing
Ingress protection	IP 55
Width	180 mm
Length	180 mm
Height	60 mm
Weight	1 kg

CONNECTIONS



Subject to change without notice