



## TKS 3000A EC 230V CLIMATE CONTROLLER

Dantherm's TKS 3000A EC is a microprocessor based climate controller, intended for regulating and supervision of the temperature in smaller industrial areas.

It can control up to two 0-10V fans, one or two A/C cooling units and an electric heater element. It has also two 230V AC damper control outputs. One for TC-function and one for exhaust damper control. TKS 3000A EC is primary using free cooling, but will also control up to two Air Conditioner units if installed.

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

## FEATURES AND BENEFITS

### Control

- Continuous regulation of 230V AC 50Hz fan motors.
- Thermo contact or current detection 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 up to two external Air Conditioner units.

### Enclosure

- ABS plastic IP55.

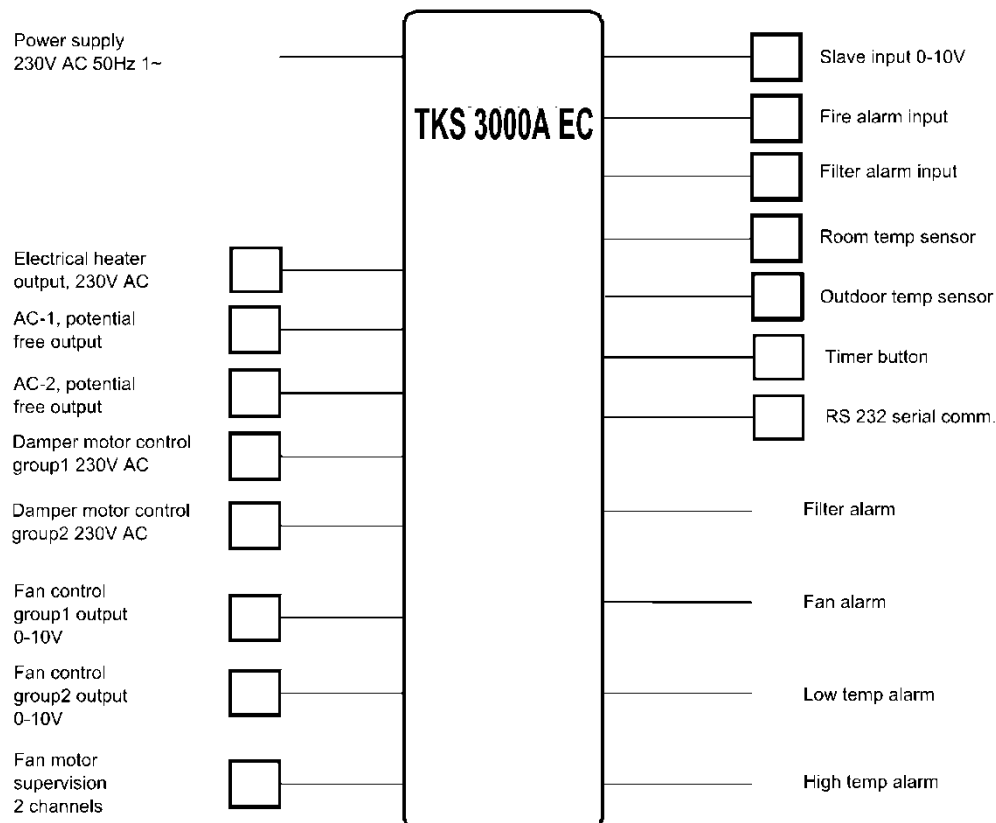
### Suitable for

- 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**  
**TKS 3000A EC 230V CLIMATE CONTROLLER**

Version	Value/Unit
Power supply voltage	230 V 50Hz
Internal power consumption	4 VA
Main fusing	10 A max
Fan supply voltage	230 V AC
Internal fuse fan driver	6,3AT (Antisurge)
Electrical radiator (resistive load)	230 V AC, max 6A
Relay for Air Conditioner unit	3 A max. Potential free closure
Damper motor voltage	230 V AC
Alarm relay outputs, jumper selectable NC / NO	potential free relay output, 24V/0,5 A DC max
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