

## GSC-4

Easy step controller for switching on extra fan capacity

- Suitable for foil greenhouse tent tunnels and other greenhouses
- Controls up to 4 ventilation groups
- Controls heating, cooling, ventilation, RH and recirculation
- Has a duty cycle to further reduce minimum ventilation
- Current temperature and internal RH at a glance
- Built-in alarm function





## GSC-4

easily and efficiently controls 4 ventilation groups

This 'Greenhouse Step Controller' is a stepwise controller to switch on extra fans in foil greenhouse tent tunnels, poultry houses or similar applications. To simplify operation, the GSC-4 switches heating, cooling and ventilation based on fixed programmed points. In order to be able to further reduce the minimum ventilation level, you can control the first step by using the duty cycle. The GSC-4 also has an RH sensor input that switches off the cooling operation if the RH measured exceeds a preset value.

### Step control

GSC-4

The duty cycle has a fixed 120s ON time; its OFF time varies depending on the temperature difference between the programmed duty cycle temperature and the programmed temperature at which VENT.1 needs to switch on at full capacity.

If the temperature in the greenhouse exceeds the duty cycle temperature setting, VENT.1 will start running in duty cycle mode until the programmed temperature for VENT.1 is reached.

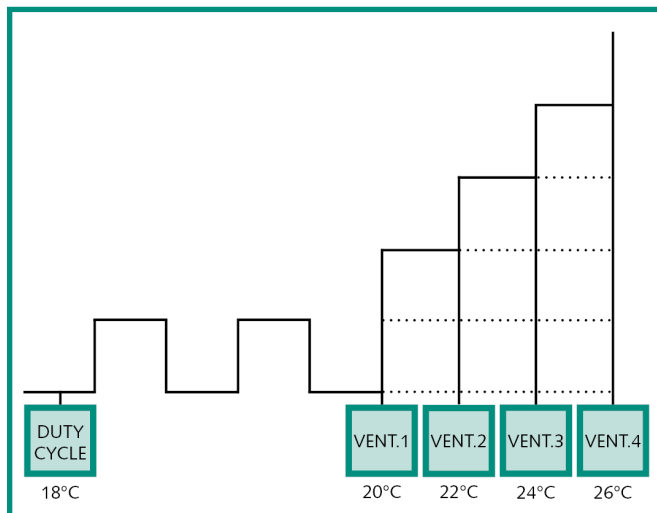
### ECO-Prop

recirculation fan for modern livestock farming

The main benefit of the ECO-Prop is its energy efficiency. Its large diameter enables this Stienen fan to displace the same amount of air as conventional, smaller fans, but at a much lower speed. This has three advantages:

1. considerable energy savings
2. low noise level
3. reduced draughts and/or dehydration symptoms

The ECO-Prop is covered in plastic sheeting and can be controlled accurately using the Stienen MPM-5 or SPM-6/12 power controller or a frequency drive.



### Technical specifications

General	
Supply voltage	230Vac - 50/60Hz
Load	25VA
Dimensions: 215 x 225 x 120 mm	215x225x120
ABS housing	✓
Protection category IP-54	IP 54
Min. ambient temp.: -5°C	-5°C
Max. ambient temp.: 40°C	40°C
Inputs	
RH sensor; 0-10Vdc	1
Outside temperature sensor	1
Indoor temperature sensors	2
Outputs	
Relay output, 230Vac/2A, for cooling	1
Relay output, 230Vac/2A, for heating	1
Relay output, 230Vac/2A, for recirculation	1
Relay outputs, 230Vac/2A, for ventilation	4
Error relay, 24Vdc/2A	1
Option	
Communication via RS-485 PCB	✓

## Stienen BE, Agri Automation

Stienen BE is a leading family company (1977) which has its roots in livestock farming. It is in our nature to be very close to our end users. We are a global supplier of innovative automation solutions for poultry and pig houses. Our climate solutions, automation systems, management software and the accompanying peripheral equipment are all developed and produced in-house.