

Electronic temperature controller for fan and heater

The GTEE1 fan speed controller automatically regulates the speed of single phase voltage controllable motors (230 VAC / 50–60 Hz) according to the measured temperature values and controls a heater according to a temperature setpoint. The fan speed will increase as the measured temperature exceeds the setpoint temperature.



Key features

- Plug and play, no wiring needed
- 3 Schuko Euro sockets for connecting a supply fan, an extraction fan and a heater
- Integrated 4 m flying lead PT500 temperature probe
- All sockets are separately and externally fused
- Integrated external plate for easy wall fixing
- Potentiometer for temperature setpoint range: 5–35 °C
- Potentiometers for minimum and maximum speed setting

Area of use

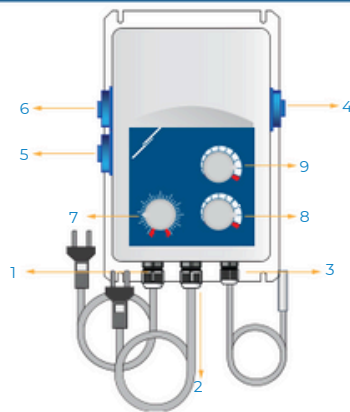
- Ventilation control by single phase 230 VAC units in function of the measured temperature. Application field: greenhouses, stables, sheds, etc.
- Temperature controlled ventilation systems
- For indoor use only

Article codes

| Article code | Combined maximum current consumption of the fans |
|--------------|--|
| GTEE1-30-DT | 3 A |
| GTEE1-60-DT | 6 A |



Wiring and connections



| | | |
|--|-----------------|---|
| 1 - Standard power supply Euro plug cable for heater (1,5 m) | Power supply | 230 VAC / 50–60 Hz |
| 2 - Standard power supply Euro plug cable for controller (1,5 m) | Power supply | 230 VAC / 50–60 Hz |
| 3 - Temperature sensor probe | Length | 4 m, connected to PT500 |
| | Resistance | 500 Ω at 0 °C |
| 4 - AC extraction fan socket | Load connection | 230 VAC / 50–60 Hz |
| 5 - AC supply fan socket | | 230 VAC / 50–60 Hz; I _{max} 16 A (3,6 kW) |
| 6 - Heater socket | | |
| 7 - Temperature setpoint potentiometer | Operating range | 5–35 °C, 1 °C scale |
| 8 - V _{min} speed potentiometer | | 80–160 VAC |
| 9 - V _{max} speed potentiometer | | 180–230 VAC |

Technical specifications

| | | |
|---|------------------------------------|-----------|
| Supply voltage | 230 VAC ±10 % / 50–60 Hz | |
| Output load, I _{max} | GTEE1-30-DT: 3A GTEE1-60-DT: 6A | |
| V _{min} adjustable via potentiometer | 80–160 VAC | |
| V _{max} adjustable via potentiometer | 180–230 VAC | |
| Proportional range | 3 °C | |
| Temperature range | 5–35 °C | |
| Protection class | IP54 | |
| Ambient conditions | Operating temperature | -10–40 °C |
| | Relative humidity | 5–85 % rH |

Standards

- Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC: EN 61000-6-3:2007/A1:2011/AC:2012, EN 61000-6-2:2005/AC:2005

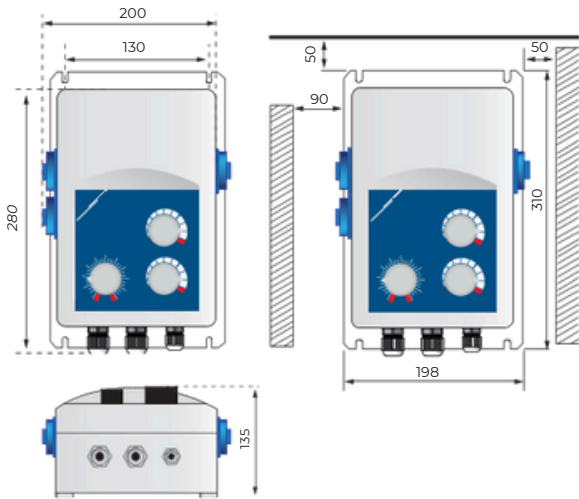


Global trade item numbers (GTIN)

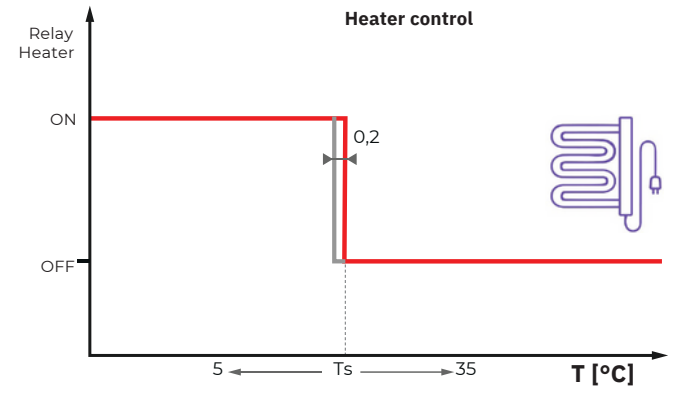
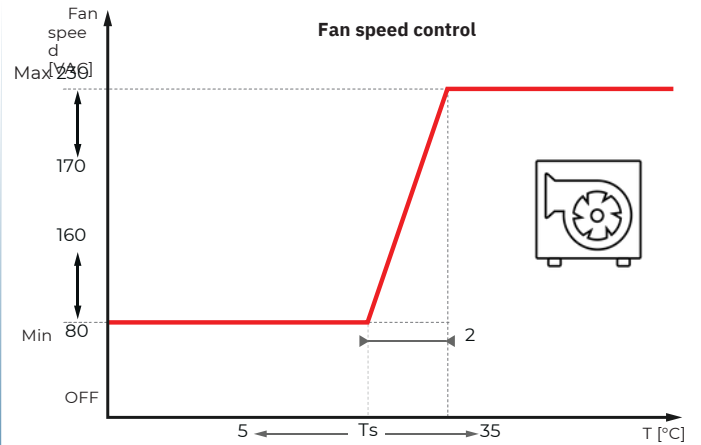
| Packaging | GTIN |
|-------------|----------------|
| GTEE1-30-DT | 05401003007334 |
| GTEE1-60-DT | 05401003007341 |



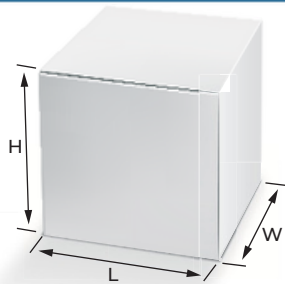
Fixing and dimensions



Operational diagrams



Packaging



| Article | Packaging | Length [mm] | Width [mm] | Height [mm] | Net weight | Gross weight |
|---------|--------------|-------------|------------|-------------|------------|--------------|
| GTEE1 | Unit (1 pc.) | 340 | 255 | 155 | 2,5 kg | 3 kg |

Application example

