

# **SAUTER EGQ**

Energy efficiency and pleasant room conditions thanks to CO<sub>2</sub> measurement and demand-led ventilation.





### Dual-beam $CO_2$ and temperature sensor for energy savings of up to 60%.

### Only an advanced room management system

### can provide the right conditions for effective working and living.

Apart from the temperature and the relative humidity, one of the main indicators of the quality of indoor conditions is the  $\rm CO_2$  content of the air. When the  $\rm CO_2$  level rises, the attention span of the occupants falls. Tiredness, loss of concentration, discontentedness and mistakes are the consequences.

## Clear energy savings based on accurate CO, measurement (drift compensation).

The dual-beam method employed in the EGQ sensor for  $CO_2$  and temperature practically eliminates any measurement error – which is caused by dust and pollution in the room air – and the effects of the ageing of the measuring system. The results:

- Up to 60% of energy consumption is saved by a modern room control system (demand-led ventilation).
- Pleasant room conditions regardless of the number of occupants, the length of their stay, their activities and other heat sources in the room.





### Temperature and room climate firmly under control.

With an in-built feel-good factor: the dual-beam method used in the new CO<sub>2</sub> and temperature sensors makes it easy to control the CO<sub>2</sub> level in well-frequented rooms. With the single-beam method, rooms have to be aired (at no little cost) for 4-8 hours every two weeks, merely to compensate for the sensor's drift. On SAUTER's EGQ, the measuring signal is calibrated continuously; this is done automatically and at no cost, and is unaffected by ventilation intervals.



#### Ideal for buildings with constantly-changing occupancy levels,

#### such as:

• Schools

- Conference centres
- Restaurants

• Airports

- Hospitals
- Foyers
- Railway stations Hotels • Open-plan offices



**Systems** 

Components

**Services** 

**Facility Services** 

