

DEMAND-BASED ROOM CONTROL WITH X-AIRCONTROL

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X-AIRCONTROL FOR ROOMS AND ZONES

EFFICIENT ROOM CONTROL WITH X-AIRCONTROL

Increasingly demanding requirements on energy efficiency as well as the latest EU regulations have created a need for intelligent control engineering solutions in room air conditioning. TROX has combined its know-how from all divisions of air distribution technology and developed an energy-efficient overall system. The integration of the X-CUBE air handling unit, volume flow controllers, heating and cooling components, and air-water systems into an overall system offers huge economic and ecological benefits. The very flexible system for the control of single rooms or of several rooms can also be used independently, i.e. without an air handling unit or centralised ventilation unit.



ADVANTAGES

- Individual room control
- Optimisation of the air handling unit based on ventilation and air conditioning parameters
 - Fan speed control based on the damper blade position of VAV terminal units
 - Control of the recirculation damper based on the air quality
 - Centralised air conditioning (heating/cooling) based on actual room temperatures
- Centralised alarm management and display of actual operating values
- Cost optimisation due to reduced number of data points
- Easy commissioning