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CONTROL THAT ADAPTS TO REAL AIRFLOW

Compact VAV Controller for precise airflow control

Pressure and volumetric flow control for VAV terminal units

- **Integrated VAV Control Concept**
  Δp sensor, controller and actuator all in one
- **Flexible Control Modes**
  Pressure- or volumetric airflow control
  Open-loop control via 0–10 V / 2–10 V
- **Compact Integration**
  OEM-ready, position independent
- **Low Noise Operation**
  <35 dB(A) typical

Applications: VAV terminal units · Commercial HVAC zones · Air distribution systems

Product Range

327 VAV Compact Series

- Torque options: 8 / 16 Nm
- Integrated differential pressure sensor
  - Dynamic: 500 / 1500 Pa
  - Static: 400 / 600 / 1000 Pa
- Controls
  - Analogue: 0(2)–10 V / 4–20 mA
  - BACnet MS/TP
  - Modbus RTU
  - Hybrid operation

Why engineers specify this VAV

- Direct airflow control without external sensor
- Hybrid communication (analog + bus parallel)
- Adjustable control behaviour and parameters
- Integrated VAV control (sensor, controller, actuator)

ENGINEERED FOR STABLE AIRFLOW CONTROL IN OEM PRODUCTION AND HVAC PROJECTS

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CONTROL STARTS IN THE ROOM

Room Unit for Precise VAV Temperature Control

Room-based control for variable air volume systems

CRW / CRF Room Controller Series

Designed for individual room temperature control in commercial and industrial buildings.
Provides stable room-based control as part of a complete VAV system with the 327 VAV Compact.

- **Wall-mounted (CRW) or flush-mounted (CRF)**
- **Power supply: 24 V AC/DC or 230 V**
- **Output signal: 0–10 V (airflow demand)**
- **Communication: Modbus RTU (optional)**
- **Inputs: On/Off, NTC10k**

Key Functions

- Room temperature control for VAV systems
- Setpoint adjustment and user interaction
- Signal output for airflow demand (0–10 V)
- Clear LCD display with operating status
- Comfort / Economy mode selection
- Heating / Cooling mode selection

Why system designers use this solution

- Defined control logic from the room to airflow
- Direct airflow control, no external sensor required
- Reduced wiring and commissioning effort
- BMS compatible (Modbus or BACnet)
- Suitable for stand-alone and networked systems

COMPLETE AIRSIDE CONTROL
FROM ROOM DEMAND TO AIRFLOW