the HVAC expertise

Honeywell’s HVAC control systems and products can be found in offices, hotels, shopping complexes, government buildings, schools, universities, hospitals and factories around the world. Our controls for air conditioning, heating, ventilation and lighting helps in maintaining comfortable temperatures, humidity level and indoor air quality in buildings of all shapes and sizes.

valves and switches

AHU Valves

The V series valves are used for heating, ventilating and air conditioning. It controls hot or chilled water, steam and 50% glycol solution, whereas, for comfort cooling applications rotary valves are used.

V53 Series

2 & 3-way flanged connection control valves

- Cast iron body with flanged end connections
- Stainless steel seat and plug
- Size range from 65mm-150 mm
- High close-off pressure ratings for two way applications
- Direct coupling with electrical or pneumatic actuator for easy mounting

V50/58 Series

2 & 3-way threaded connection control valves

- Cast iron or red brass body and stainless steel stem
- Linear or equal percentage characteristics
- Temperature ranges from 2 °C to 170°C
- Size range from 15mm to 80mm
- Used with direct coupled electrical actuators
- Direct coupling with electrical or pneumatic actuators for easy mounting

VBA Series

motorised ball valves

- Media temperature for water ranges from 2°C to 90°C
- Angle of rotation is 90° with equal percentage characteristics
- Used with on-off, floating and modulating control actuators

Direct Coupled Actuators

CS/CN Series

SmartAct damper and fire damper actuators

- Direct-coupled damper actuator is used in air damper, ventilation flaps, louvers and VAV-units. These actuators can also be used for fire and smoke control applications
- Available in various torque ratings to suit different sizes of damper area
- Control signal on-off SPST, SPDT, floating and modulating control
- Maximum operating temperature of 176°C for fire and smoke control models
- Manual operation
- Protection class IP54

Air handling control

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Honeywell Environmental and Combustion Controls (ECC), India

ECC India is part of Honeywell’s global Automation and Control Solutions business. It is a $2.4 billion global business with installations in more than 150 million homes, 10 million buildings and a multitude of manufacturing plants around the world. ECC offers integrated product solutions for various residential, commercial and industrial applications ranging from HVAC solutions, water controls, wiring devices, cable management, circuit protection devices, LED and lighting controls, building control solutions and industrial combustion controls. As part of its global operations, all ECC brands share the same commitment towards innovation, quality, safety and customer service. Brands that operate under ECC in India are MK, Trend, Alerton, Web’s-AX®, Phoenix Controls and Maxon. ECC has over 9 sales offices across the country, two state-of-the-art manufacturing units in Chennai and Dehradun, and an extensive pan-India distribution network. With its “customer first” approach, ECC is committed to making life safer and more secure, more comfortable and energy efficient, with its smart products and solutions.
Honeywell offers you a wide range of technically advanced thermostats, valves, actuators, temperature controllers and sensors. These energy efficient products create comfortable and safe environments that help improve productivity of your facility.

**controllers**

### H6000/T775

**Humidistat/ Temp. Controllers**

These sensors/controllers are used in HVAC applications to monitor and control temperature, humidity and pressure.

- Output type can be SPDT contact, 0 or 2 to 10V or 0 or 4 to 20mA
- Rh sensors/controllers mounting for room, duct and outdoor installations; temperature sensors for water lines too.

**AHU Valve actuators**

Valve actuator provides modulating and on-off control for AHU valves.

### Sensors and Switches

**WFS-6000**

**water flow switch**

This switch is used to monitor flow rate in pipes for all HVAC applications.

- Paddle - type SPDT water flow switch
- Recommended for monitoring liquid flow status
- Sensitivity adjusting screw makes flow adjustment easy
- Liquid flow switches; also suitable for oil, cooling circuits and lubrication system

**Kombi-8 Series**

**Integrated pressure independent balancing control valve**

- Integrated functions as linear temperature control, pressure independent and electric regulating into one valve
- Ensures that HVAC water system always operate in energy-saving mode
- High control accuracy, strong anti-interference capacity
- Wide fluctuating range of pressure difference for the system
- Simple calculation in designing the pipeline system
- Easy installation
- Extremely convenient for commissioning at site
- Bronze valve body resists corrosion and long service life
- Stainless steel plug and the metallic sealing ensures basically no leakage of the valve

**ML74 Series**

**Valve actuators**

ML7420/7421

- Quick and easy installation
- Microprocessor based positioner ensures precise stem positioning
- Low power consumption
- Visual valve position indicator furnished with the actuator
- Stroke position is selectable on signal failure in some models
- Position feedback signal available
- Wide range of inputs like 0/2-10 Vdc, 0/4-20mA, 0-135 ohm

**VC79 Series**

**AHU valve actuators**

VC7921 series

- Microprocessor based positioner ensures precise stem positioning
- Low power consumption
- Visual valve position indicator furnished with manual over-ride
- Control signals are modulating, floating or on-off
- Field selectable DIP switches for linear or equal percentage characteristics
- Patented super capacitor ensures fail safe mechanism in case of power failure
AHU Temperature Controllers

μcen-22

Electronic temperature controller

μcen-22 is used for modulating control of air temperature in ducts and rooms.
- Compact and slim design gives elegant and attractive look.
- PI control action provides accurate, stable and comfortable temperature.
- Compatible with direct-coupled damper valve actuator like ML7410E, ML7420, ML7421, ML7425, M7410E, CN series, etc.
- Adjustable zero energy band, on-off differential, proportional band and temperature offset.
- Option of 2 to 10Vdc or 4 to 20mA direct acting or reverse acting analog output.
- Wide temperature control range (-20°C to 110°C)

T9275

Electronic temperature controller

T9275 is used for modulating control of air temperature in ducts and rooms with MODBus.
- Compact and slim design gives elegant and attractive look.
- PI control action provides accurate, stable and comfortable temperature.
- Compatible with direct-coupled damper valve actuator like ML7161, ML7174, N20010, S10010, ML7410E, ML7420, ML7421, ML7425, ML7034, etc.
- Adjustable zero energy band, on-off differential, proportional band and temperature offset.
- Option of 2 to 10Vdc or 4 to 20mA direct acting or reverse acting analog output.
- Wide temperature control range (-20°C to 110°C)

Jin Xiu

Stand-alone AHU controller

Jin Xiu
- With integrated LCD
- Stand-Alone controller
- More flexibility, with universal input
- Front-door (Panel), DIN installation
- 16-bit CPU
- CE, C-Tick and UL certification (in progress)
- Analog output 0...4mA, 0...10Vdc can be selectable
- Summer/Winter exchange selection
- 4 models to cover total 22 AHU applications

Butterfly valves

V4 Series

Manual and motorized butterfly valves

V4 Butterfly valves are used in heating and cooling applications.
- Water type port connection, bubble tight valves.
- Media temperature for water ranges from -10°C to 130°C.
- Angle of rotation is 90°
- Used with on-off or modulating control actuators
- Auto-declutch with IP67 enclosure
- Visual mechanical position indicator
- Anti-condensation heater and two auxiliary limit switches.