

HL8001 Digital Network Thermostats

Application

- ◆ Two-pipe fan coil units
- ◆ Four-pipe fan coil units
- ◆ Unit air-conditioner
- ◆ BAS system integration

General

- The HL8001 series digital communicating thermostat is a microprocessor based thermostat with LCD display.
- The thermostats provided RS-485 communicating interface and MODBUS protocol for system integration. The thermostats can be controlled by local manually, master controller or operating by the BAS system.



- Models are available for heating, cooling or ventilating control of 2-pipe or 4-pipe fan-coil units.
- The fan speed can be manual controlled by the fan speed control pushbutton, infrared remote controller or operating by the BAS system.

Features

- Built-in RS-485 communicating interface
- Provided MODBUS protocol for system integration
- Provided system or local control function
- Provided Enable/Disable key locking function
- Digital LCD display of room temperature and set temperature
- Adjustable heating, cooling and ventilating mode control
- Provided temperature calibrating function
- Adjustable manual 3-speed and automatic fan speed control
- Provided ON/OFF control output signal
- Provided low temperature protecting function
- Non-volatile memory (EEPROM) retains user settings during power loss
- Infrared remote control available(optional)
- Backlight function available(optional)

Technical data:

Temperature Range:	5~35°C adjustable
Switching Differential:	Approx. ± 1°C
Power Supply:	12Vdc or 24Vac ± 10%
Output:	SPST relay
Current Load:	0.8A run, 3A inrush
Sensing Element:	NTC
Terminals:	0.5-2 sq. mm cable
Operating Temperature:	0~45°C
Storage Temperature:	-20~55°C
Operating Humidity:	5~90%
Dimension:	86x86x13m (H x W x D)
Interface:	RS-485
Protocol:	MODBUS
Maximum Length:	1200 meters

Norms and standards:

Low voltage directive	73/23/EEC and 93/68/EEC
Product standard	EN 60730