

HL8001 Communicating Thermostat

General

- The HL8001 series digital communicating thermostat is a microprocessor based thermostat with LCD display.
- The thermostats provide 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.



Application

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

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
- 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.
- 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)

Specification

Temperature Range :	5~35°C adjustable
Switching Differential :	Approx.±1°C
Power Supply :	12Vdc or 24Vac±10%
Output:	SPST relay
Current Load:	Resistive: 2A, Inductive: 1A
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:	86x86x13mm (H x W x D)
Interface:	RS-485
Protocol:	MODBUS RTU
Maximum Length:	1200 meters
Mounting:	Embedded Mounting

Norms and standards:

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