

Fan Coil Thermostat

Smallart SM2008FFS series thermostats, including technological and user friendly design, contains optional backlight, timer, remote control properties.

- Two working style for heating mode
 - Fan coil: Fan runs normally in heating mode
 - Radiator: Fan do not run in heating mode
- Adjustable dead band: Active only in auto changeover mode
- Valve type selection
 - Heating and cooling NC
 - Heating NO, Cooling NC
 - Heating and cooling NO
 - Heating NC, Cooling NO
- When set temperature is reached valve and fan are closed

2 or 4 Pipe Fan Coil



3 Step or Auto Fan Speed Control



Timer (Option)



Remote Control (Option)



Backlight (Option)



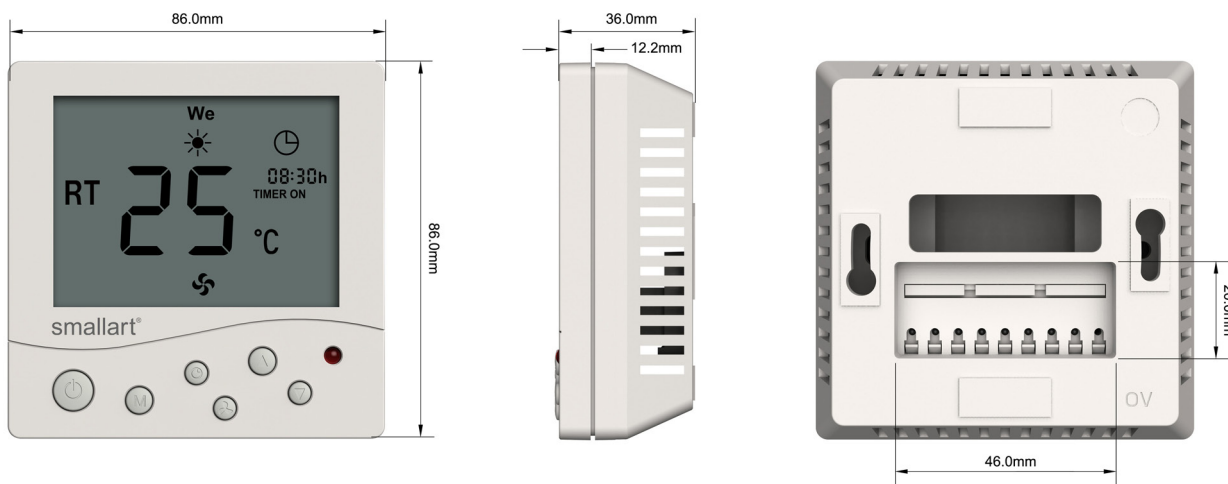
MODELS

SM2008FFS-L	FCU Thermostat	Backlight		
SM2008FFS-TRL	FCU Thermostat	Backlight	IR Remote Control	Timer
2008FFS-T4RL	FCU Thermostat	Backlight	IR Remote Control	Timer(5+2)
SM-IRT	IR Remote Control	(for model -TRL)		

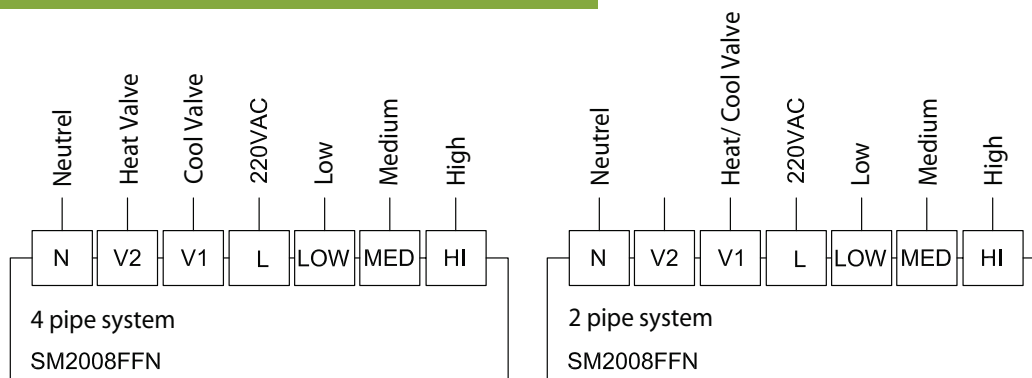
Technical Data

Temperature Range	5 ~ 35° adjustable
Switching Differential	Approx $\pm 1^{\circ}\text{C}$
Operating Temperature	0~ 45°C
Operatin Humidity	5~ 90%RH
Storage Temperature	-10~ 60°C
Operating Voltage	AC220V $\pm 10\%$, 50/60 Hz
Switch current rating	1A
Wiring Diameter	0.5 ~1.5 mm ²
Dimension	86 x 86 x13 mm(HxWxD)
Hole pitch	60 mm

DIMENSIONS



Wire diagram



CONTROL VALVES AND ACTUATORS



Two Way Ball Valves BV06-G2

Three Way Ball Valves BV06-G3

SMBV06 series ball valves are widely used in central air-conditioning cool/heat water system. It can accurately control the flow of cool/heat medium depending upon the requirements of the given application, and can not result in sudden change of temperature and to control the room temperature accurately.

- Well waterproof and dustproof features (IP65)
- High differential pressure up to 1MPa and strict closure
- High flux and no sediment due to direct flow through of valve
- Soft shut-off and open to eliminate water hammer in most applications
- Motor does not bear any forces when valve is not in motion, extending service life
- Actuator can not be affected by temperature of valve and environment
- Quick and easy replacement by movable actuator
- The actuator can be installed after the application and pipe was fixed that is efficient for installation
- Valve can be operated by general tools when actuator has been removed
- The actuator is available for all of 1/2" - 1 1/4" ball valves

Technical Specifications

Medium	Cool/heat water or 60% glycol
Size	DN15 DN20 DN25 DN32
Structure	Two way / Three way
Operating Mode	ON/OFF floating
Power Supply	AC 220V AC 24V etc.
Power Consumption	5W (during valve position change)
Running Times	15 sec.
Pipe Fitting	BPS internal thread BSPP external thread (optional)

Materials

Body	Forged brass, nickel plated
Ball	Chrome plated brass
Stem	Brass
Seats	Fiberglass reinforced teflon PTFE
Seal	2 EPDM O-rings, lubricated
Pressure Rating	2 MPa
Media Temp. Range	34°F to 203°F (1°C to 95°C)
Max. Differential Pressure	1 MPa
Protection Grade	IP65

Models

SMVBV06-G2-D15-24F/220F	2 way motorized valve, DN15, kv 4,62
SMVBV06-G2-D20-24F/220F	2 way motorized valve, DN20, kv 7,50
SMVBV06-G2-D25-24F/220F	2 way motorized valve, DN25, kv 13,02
SMVBV06-G2-D32-24F/220F	2 way motorized valve, DN32, kv 25,97
SMVBV06-G3-D15-24F/220F	3 way motorized valve, DN15, kv 4,62
SMVBV06-G3-D20-24F/220F	3 way motorized valve, DN20, kv 7,50
SMVBV06-G3-D25-24F/220F	3 way motorized valve, DN25, kv 13,02
SMVBV06-G3-D32-24F/220F	3 way motorized valve, DN32, kv 25,97