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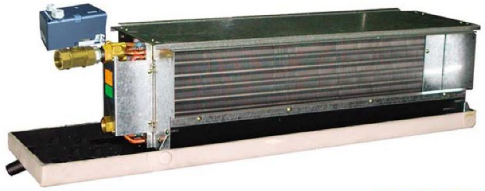
WIRELESS FAN COIL UNIT



Sinro Wireless Fan Coil Unit (hereafter called WFCU) is a revolutionary product of the traditional FCU. It not only keeps benefits of traditional product, more importantly, It's

SRW-01Y(Ⅰ)

SRW-02Y(Ⅱ)

MONEY-SAVING 80%

- TIME-SAVING
- MATERIAL-SAVING
- LABOR-SAVING
- MORE RELIABLE

Model Selection

SCR F – 004 PD R 4 WA I

- I Thermostat Model SRW-01Y
  II Thermostat Model SRW-02Y
- WA—Cooling/Heating
  WB—Cooling Only
  WF—Floating Control
- 2: 2-row ; 4: 4-row ; Omitted: 3-row
- L—Left Water Inlet/Outlet ;
  R—Right Water Inlet/Outlet
- PD—Down Plenum ; PB—Back Plenum
- Air Volume (004x100=400CFM)
- F:Four-pipe system
  Omitted: Two-pipe system
- SCR—Standard Type
  HCR—High Static Pressure Type

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Install A Traditional FCU

Install A WFCU

Let' s see the comparison of consumed material and labor in installing a traditional FCU and a WFCU.

No.	Installation Process	Traditional FCU	WFCU	Equipment & Material	No.Unit	Necessary Tools & Other Material & Working Process
1	Fix a FCU over the ceiling	Required	Required	Fan coil unit	1 Set	Percussive driller, gradienter, spanner, 4 steeves. Use percussive driller and spanner to fix the 4 steeves, then connect the FCU to the steeves and adjust the FCU to horizontal
2	Install the connector for the motorized valve	Required	x	DN20 connector	2 pcs	Spanner, sealing medium. Screw down the connector to the FCU with sealing medium.
3	Install motorized valve	Required	x	Motorized valve	1 Set	Socket wrench. Connect the motorized valve to the connector.
4	Install inlet & outlet pipes Make heat insulation	Required	Required	Water pipes & heat insulating material	2 Set	Socket wrench, spanner. Connect the pipes to the system and wrap them in heat insulating material
5	Dig wire chase in the wall	Required	x		2 m	Hammer, chisel. Chisel a slot of 25x25x2000mm in the wall.
6	Embed wire tubes	Required	x	G20 wire pipe	2 m	Handsaw, bending fixture, packing tool. Cut and bend the tubes to suitable length, then make thread and embed them into the wall.
7	Install junction box	Required	x	Junction box	2 pcs	Slip joint pliers, 4 G20 screw caps. Connect the wire pipes to junction box.
8	Install ceiling wire tubes	Required	x	G16 wire tube	2 m	Side cutter pliers, slip joint pliers, 4 G16 connectors. Cut the pipes; fix the connectors and relative equipment.
9	Lay wire	Required	x	BVV1.5wire	28 m	Iron wire, adhesive plaster, pliers. Use iron wire to lay the wire through the pipes.
10	Testing for electrical insulation	Required	x			Ohmmeter. Test the electrical insulation between live line, neutral line and earth line.
11	Cover junction box	Required	x	Box cover	1 pcs	Screwdriver, 2 tapping screws
12	Wiring	Required	x			Screwdriver
13	Install thermostat	Required	Required	Thermostat	1 set	Screwdriver, 2 tapping screws
14	Connect to power supply	Required	x	G16 wire tube	1 m	Side cutter pliers, slip joint pliers, 2 G16 connectors, 1m RV1mmx3 wire. Cut the tubes; fix the connectors and relative equipment.
15	Recover the wall	Required	x			
16	If the wires are broken	Required	x			Repeat processes No.10-14

From the above chart, we can see it takes only 4 steps to install a WFCU, i. e. hang up the FCU; connect water pipes and wrap the insulation material; install the thermostat and plug in, compared with the 15 steps to install a traditional FCU.

Here is the comparison of time and cost in installing a traditional FCU and a WFCU.

Region	Traditional FCU		WFCU		We Are Saving	
	Installing Hours	Labor & Material Cost	Installing Hours	Labor &Material Cost	Installing Hours	Labor &Material Cost
North America	10	US $ 500	2	US $ 100	8	US $ 400
South America	10	US $ 180	2	US $ 36	8	US $ 144
Europe	10	US $ 600	2	US $ 120	8	US $ 480
China	12	RMB 330	2	RMB 54	10	RMB 276
Hong Kong/Macau(China)	12	HK $1500	2	HK $ 350	10	HK $ 1150

Sinro WFCU creates values for companies in different countries and regions.

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Wireless Control Unit Specifications

SRW series wireless fan coil control unit is constituted with a thermostat (remote) and a receiver (combined with valve actuator or not).

Power supply	Thermostat: 3VDC (2 x AAA batteries) Receiver:24VAC(1), 110VAC(2), 120VAC(3), 220VAC(4), 230VAC(5), 240VAC(6), 50/60Hz
Power consumption	Thermostat: Standby mode＜0.18mW Receiver: 2.5VA without load
Output for fan	24VAC(must connect with FCU by relay),110VAC,120VAC,220VAC, 230VAC,240VAC
Transmitting frequency	315 MHz radio wave
Temperature control range	10~30℃ (50~86℉)
Temperature display	℃ (C) or ℉ (F)
Temperature display range	0~40℃ (32~104℉)
Display precision	0.2℃ (1℉)
Control precision	±0.5℃ (±1℉)
Effective distance	＜10m (without hindrance)
Working ambient temperature	2~55℃ (35~131℉)
Working ambient humidity	10~90% RH no condensation
Storage temperature	-20~65℃ (-68~149℉)


SRW-01Y


SRW-02Y

THERMOSTAT

Receiver data and function

Model	Function				
	ON/OFF	Electrical ON/OFF	Floating	0(2)~10V or 0(4)~20mA DC modulating	Matched valve body
SRJ01A	●				SRV2000, SRV2010 series
SRJ01B	●				
SRJ02A	●				All kinds of motorized valve with actuator, such as SR01, SR02, SR03, SR04, SR2000, SR2010, SB01 series
SRJ02B	●				
SRJ02C	●				
SRJ02D		●			
SRJ02F			●		
SRJ02P				●	
SRJ02U			●	●	
SRJ03D		●			SBV01 series
SRJ03F			●		

RECEIVER:


SRJ01


SRJ02


SRJ03

MATCHED VALVE OR VALVE BODY:


SRV2000


SR01


SR02


SR03


SBV01


SRV2010


SR04


SR2000


SR2010


SB01

◆ Wide Working

Standard air volume — 170~2380m³/h
Cooling capacity — 0.87~14.76kw
External static pressure — 0~30Pa (standard type)
30~60Pa (high static pressure type)

◆ Low Noise

Sinro FCU is using forward type low velocity aluminum centrifugal fan which is adjusted for dynamic and static balancing so that the fan is light weight, durable, corrosion-proof and has a stable performance.

◆ High Efficiency

The coil is built by expanded copper tube combined with aluminum fins. It is designed with push-out edgse in double-face to create turbulence airflow for better air to fins, and increases heat exchange efficiency.

◆ Simple Installation

Coil pipe connection is female 3/4 " BSP. The connector can be directly connected to inlet / outlet pipes.
The symmetrical design of the unit makes you can adjust the inlet / outlet pipes to the opposite side to meet on-site requirement.
The coil can be disassmbled from bottom for a more convenient cleaning and maintenance.

◆ Leak-proof Design

The design of water basin is to make it gradient with the unit, so as to ensure that condensation water can be drained quickly.

◆ Optional Parameters

- Left or right connection pipes
- Assistant electric heater (0.65~4.6w)
- High static pressure type
- Plenum and filter
- Options for water basin: lengthened type / stainless steel

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