



Present

Ventilarredo

Cooling Radiator

Simple is Better !

Ventilarredo

Hybrid Fan coils + radiator (2 in 1)

Both advantages

The best product for :

Condensation boiler

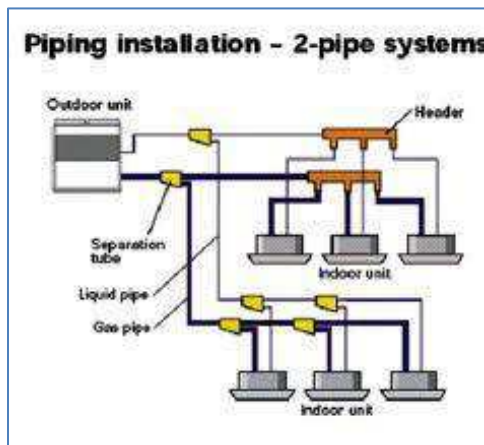
Low temperature HP

Integration with Radiant system

Professional A/C market photo

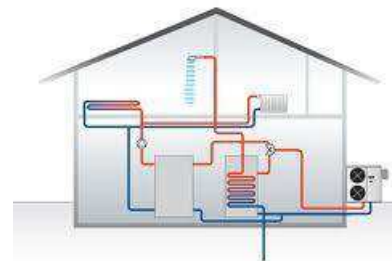
GAS System

- Multi Split
- VRV-VRF



Water Machine

- Chiller
- Heating Pump
- Boiler
- Solar system
- Pellets Boiler



Water machine use different system to transfer cold water or hot water inside the house – office – commercial application

Indoor terminal

- Cassette
- High wall
- Ducted
- Fan coils



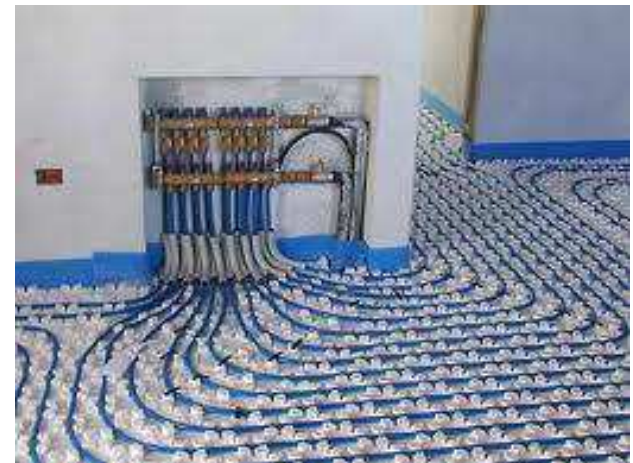
Radiator

- Economic
- Design radiators



Radiant system (floor and ceiling)

- For heating
- For heating and cooling



- Application , Vantage and disadvantages about **Cassette**

Application

- Common application are commercial use (office – Hotel lobby – shop -Hotel corridor) .

Vantage

- Heating and cooling
- Big range
- Big cooling and heating capacity
- 4 way air direction

Disadvantage

- Need double ceiling to cover connection pipes
- Noise because need always air flow
- Depend from correct installation , sometimes air flow is discomfort for people
- Not ok for House only for commercial application

Markets

- Big markets only Italy 400 K pcs
- Retail price 500-800 euro



- Application , Vantage and disadvantages about **High wall**

Application

- Common application are commercial use (office – possible house – shop - Hotel room) .

Vantage

- Heating and cooling
- Big range
- Medium cooling and heating capacity
- Low noise air flow with cross fan

Disadvantage

- Need pipes on high wall
- Noise because need always air flow
- No four pipe installation because no possible twin exchangers
- Only old design in the market

Markets

- Small markets only Italy 20K pcs
- Retail price 300-600 euro



- Application , Vantage and disadvantages about **Ducted**

Application

- Common application are commercial and sometimes domestic (office – shop –house) .



Vantage

- Heating and cooling
- Big range
- Big cooling and heating capacity
- Low and High static pressure

Disadvantage

- Need double ceiling to cover connection pipes and machine
- Noise because need always air flow

Markets

- Big markets only Italy 1 million pcs
- Retail price 300-500 euro



- Application , Vantage and disadvantages about **Fan Coils**

Application

- Common application are commercial and sometimes domestic market (office – shop – house) .

Vantage

- Heating and cooling
- Big range
- Big cooling and heating capacity
- Low and High static pressure

Disadvantage

- Dimension and design not OK for domestic use
- Noise because need always air flow

Markets

- Big markets only Italy 1 million pcs
- Retail price 300-500 euro



- Application , Vantage and disadvantages about **Radiators**

Application

- Common application are domestic market (house) .

Vantage

- Very Low noise
- Cheaper

Disadvantage

- Only Heating
- Long time to reach set point
- With low water temperature like HP and condensation boiler have low capacity
- Studied for 75 °C water IN
- Low HP COP and Low boiler efficiency

Markets

- Big markets only Italy 2 million pcs
- Retail price 50-500 euro



- Application , Vantage and disadvantages about **Radiant System pag.1**

Application

- Common application are domestic market (house) and sometime commercial (Office) .

Vantage

- Very Low noise
- Heating and Cooling
- Perfect comfort in heating
- IR radiation
- High HP COP
- High Condensation boiler efficiency
- Good heating capacity 100 w/2

Disadvantage

- Long inertia
- Low capacity In Cooling mode 40 w/m²
- In Cooling need dehumidification system to control humidity



- Application , Vantage and disadvantages about **Radiant System pag.2**

Disadvantage

- Noise in cooling for dehumidification system with compressor
- Highest cost 50 Euro / m²
- Project not easy , must be supplied from specialized thermotechnical only
- Not convenient for renovation of old houses for high cost and water interstitial condensation with insulating positioned inside
- Not Ok for area with high humidity

Markets

- Grow up every days
- Retail price 50-60 euro /m² for new house



- Why Ventilarredo (Cooling radiator)?

3D Air Diffusion

2 - 4 KW Cooling

The 3D air distribution is quick and uniform.

16 20 24 °C

16 20 24 °C

Radiator

Ventilarredo

The image contains three main parts. On the left, a 3D rendering of a radiator with blue arrows indicating air flow. In the top right, a close-up of a radiator with a blue diffuser. At the bottom right, two graphs showing temperature profiles. The first graph, labeled 'Radiator', shows a red line that is high at the top and low at the bottom. The second graph, labeled 'Ventilarredo', shows a red line that is high at the top and low at the bottom, but with a more uniform distribution than the radiator.

Ventilarredo is studied to have the radiator and fan coils advantages in one product .
Ventilarredo is the best product for condensation boiler , Low temperature HP , and
also to work in combination with radiant system to help it in cooling and heating mode

• The Advantages

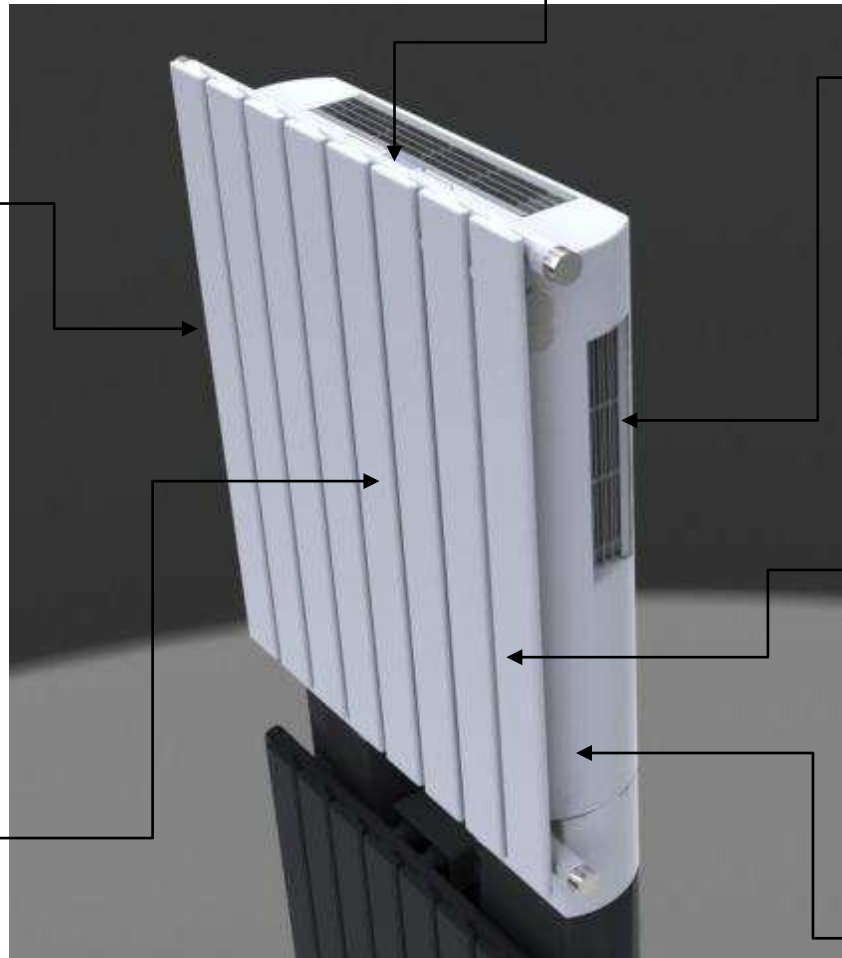
- *Two Line (Exclusive and Eco) to satisfy all market necessity*
- *Two size for each range to cover load required*
- *Cooling capacity from 500 watt to 4000 watt*
- *Heating capacity from 500 watt to 7000 watt*
- *Zero dB noise level in Heating Mode*
- *25 dB noise level in Cooling Mode*
- *3D Air diffusion*
- *Super High Efficiency*
- *Versatility to work with water temperature from 35 °C to 80 °C in heating mode and from 4°C to 20 °C in Cooling .*
- *2 and 4 pipes installation*
- *2 Port valve or 3 way by pass according your circulating pump (On-OFF pump or Inverter pump) .*
- *Dehumidification with Humidity control and display active showing*



- **Ventilarredo features**

Big filter with low speed air with high efficiency and additional Carbon filter or chatalitic sandwich

PGM motor 6 speed for Exclusive line or traditional 3 speed motor for eco line with innovative low noise radial fan



Ergonomic command on-board for easy user interface

3 air diffusion for fast and comfortable air diffusion , aluminum galvanized grill

Radiator in solid painted steel for long thermal inertia

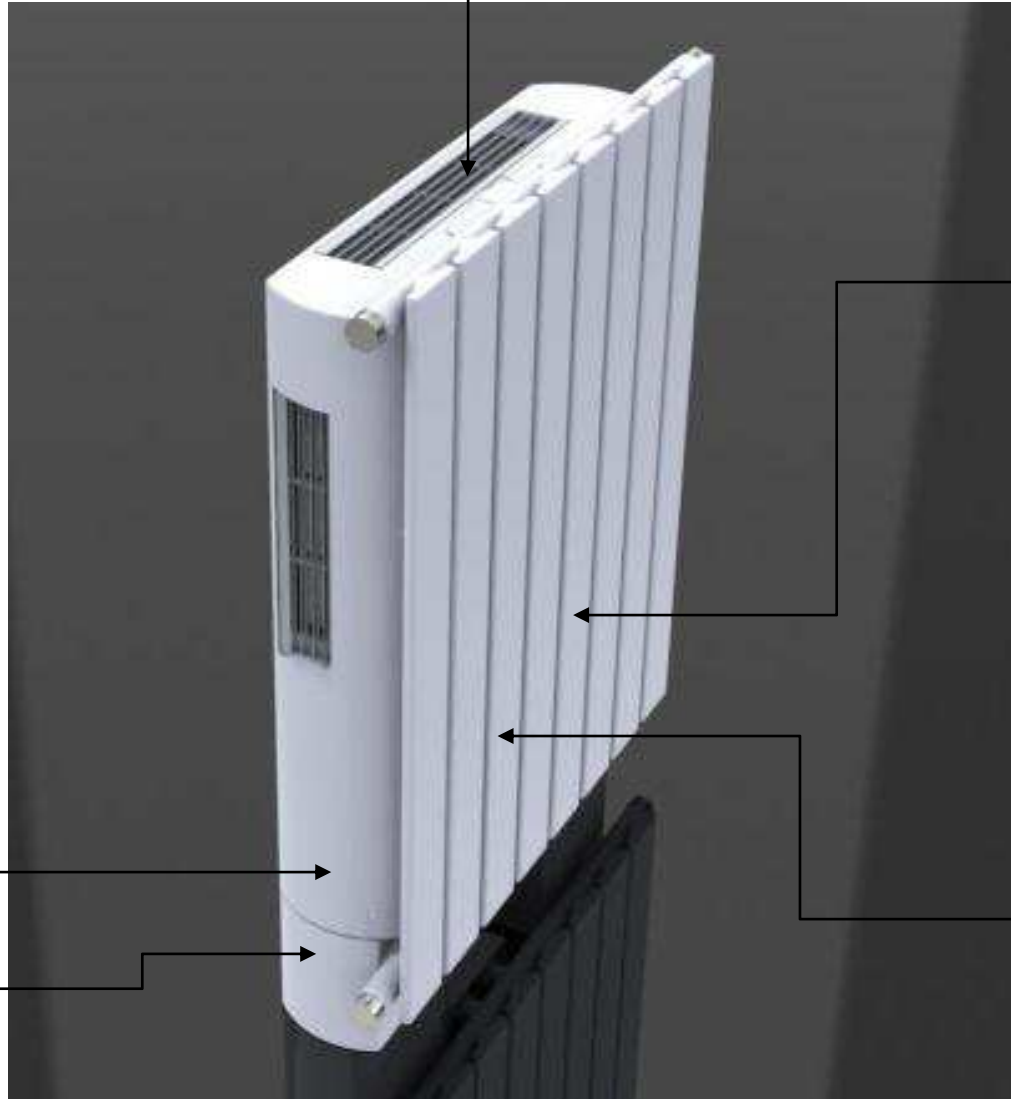
Solid metal structure bend or square design powder painted

- **Ventilarredo features**

*Aluminum galvanized
removable outlet grill*

*PCB with full
function for
Exclusive line
and large
function for
eco line*

*Optional Metal
feet*



*Connection
box for :*

- *2- pipe / with
and without valve*
- *4 pipe system
with valve*

*Water pump
with 2 working
level*

- **Ventilarredo features**

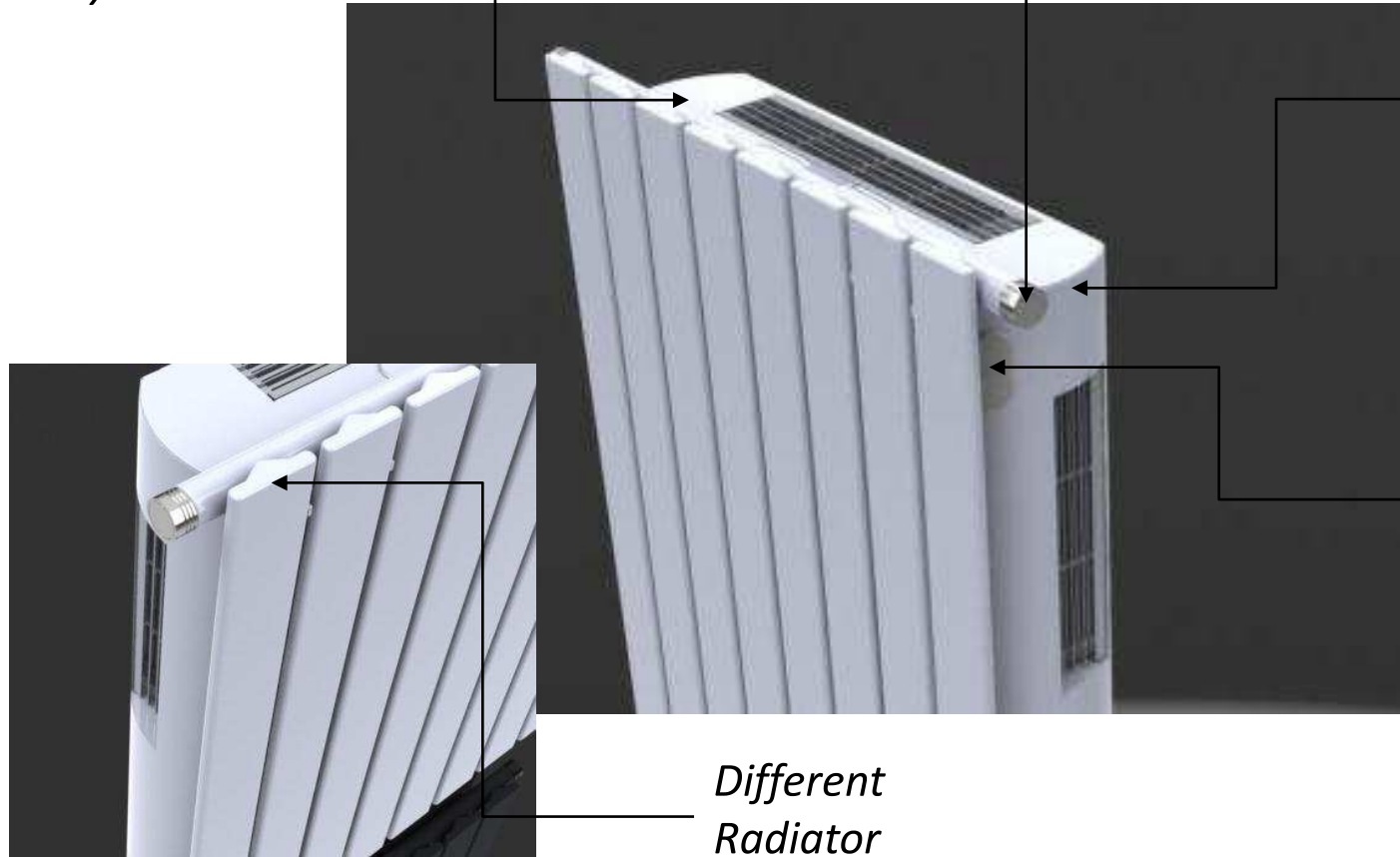
*Thin machine
only 16 cm*

*Easy radiator air purge cover
from chromed cup*

*Bend and
square shape*

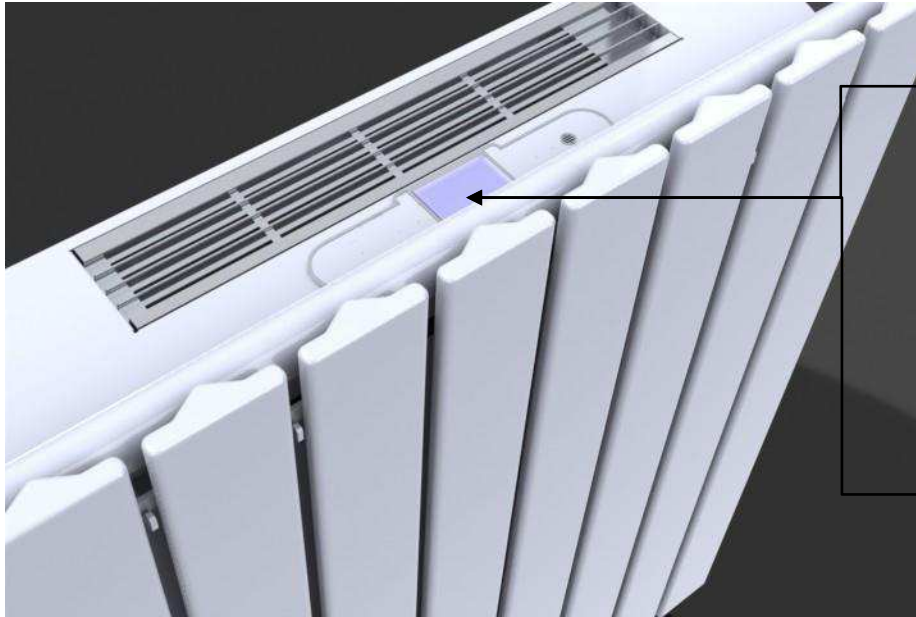
*Easy
exchanger air
purge cover
from rubber
cup*

*Different
Radiator
design in
different color*

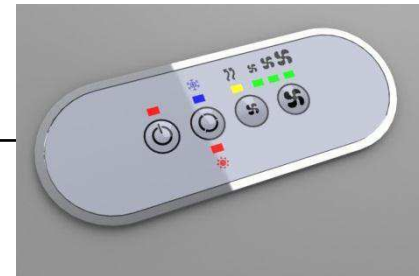


- Ventilarredo features

*Two different
command on board*



Exclusive line



- On board user interface function



Exclusive line

Exclusive Line Function

- On-OFF
- Mode
- Cooling
- Heating
- Fan
- Dehumidification
- Innovative Auto mode function
- 6 Fan speeds
- Static function
- Temperature setting
- UR setting
- Night mode
- Temperature display (°C / °F)
- Humidity display
- Machine Program setting
- LCD blue back light display
- Alarm display (Function alarm)



Eco Line Function

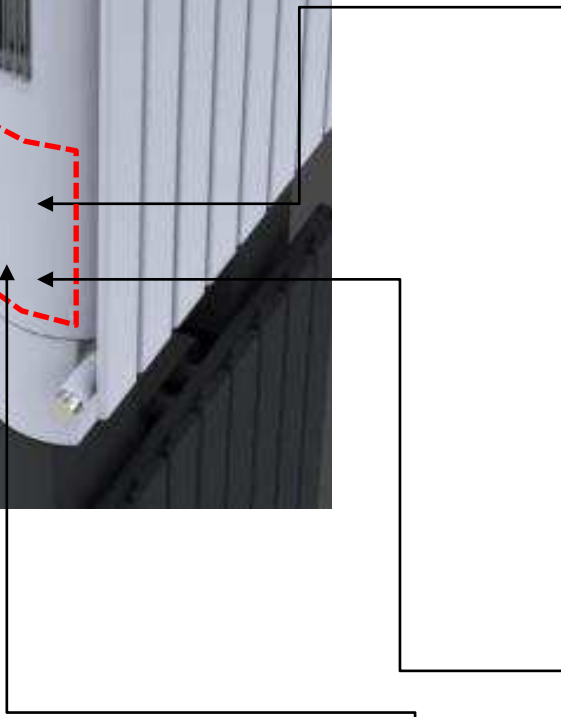
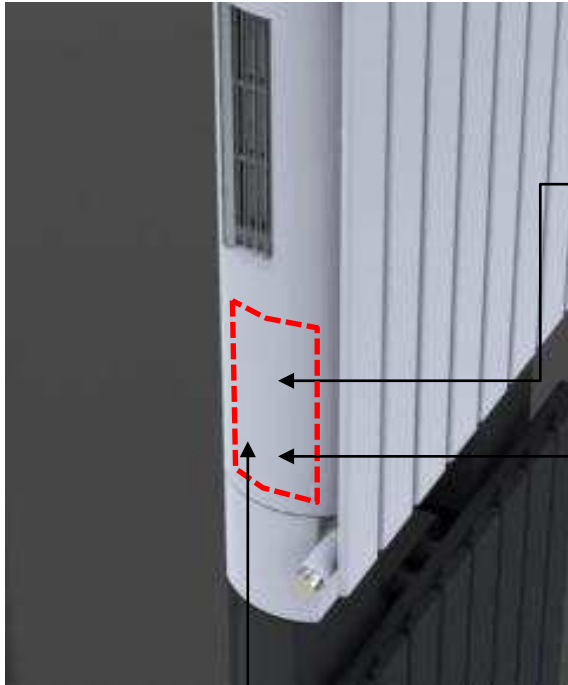
- On-OFF
- Mode
- Cooling
- Heating
- Fan
- 3 Fan speeds
- Static function
- Alarm Led (water pump)

Exclusive line

main PCB

Function

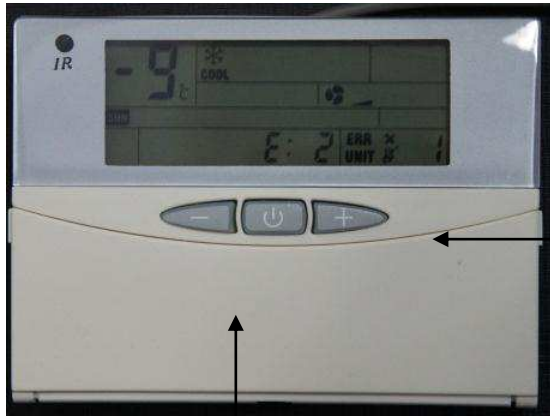
- Master – Slave communication (32 machines without wall pad)
- Stand Alone control
- Mod BUS communication RJ45
- AUX 1-2 to Boiler and Chiller
- 2-4 pipes
- Window Contact
- Water pump control
- 1-2 On-Off valves connection
- Humidistat control
- Wall pad connection 32 machine control
- Data Logger connection (2048 machines)



Data
logger



Wall pad control

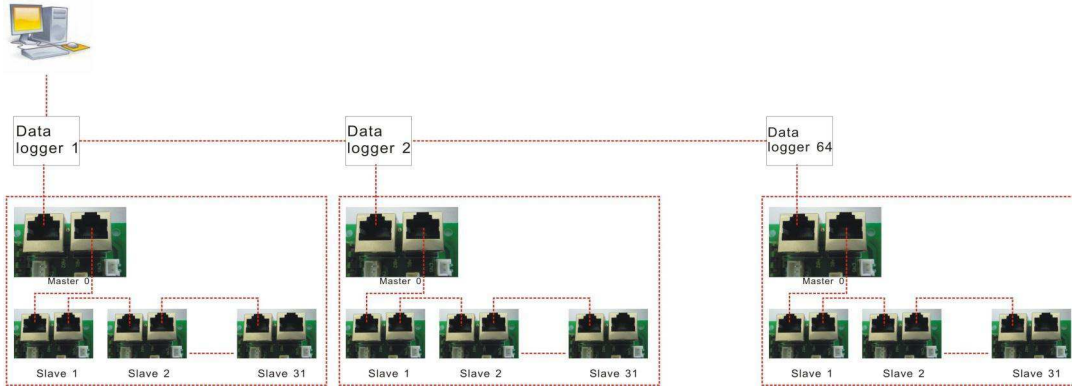


- *Global control (all machine in the net work with same command from wall pad)*
- *Single control (from wall pad is possible to set and control each single machine with different condition)*
- *Some machine can work in heating , other in cooling other in dehumidification mode*

Exclusive line Wall pad function

- *Master – Slave control 32 machine*
- *On-OFF*
- *Mode*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode*
- *Timer*
- *6 Fan speeds*
- *Static function*
- *Temperature setting*
- *UR setting*
- *Night mode*
- *Temperature display (°C / °F)*
- *Machine Program setting*
- *LCD back light display*
- *Remote control*
- *Lock program*

Data Logger control

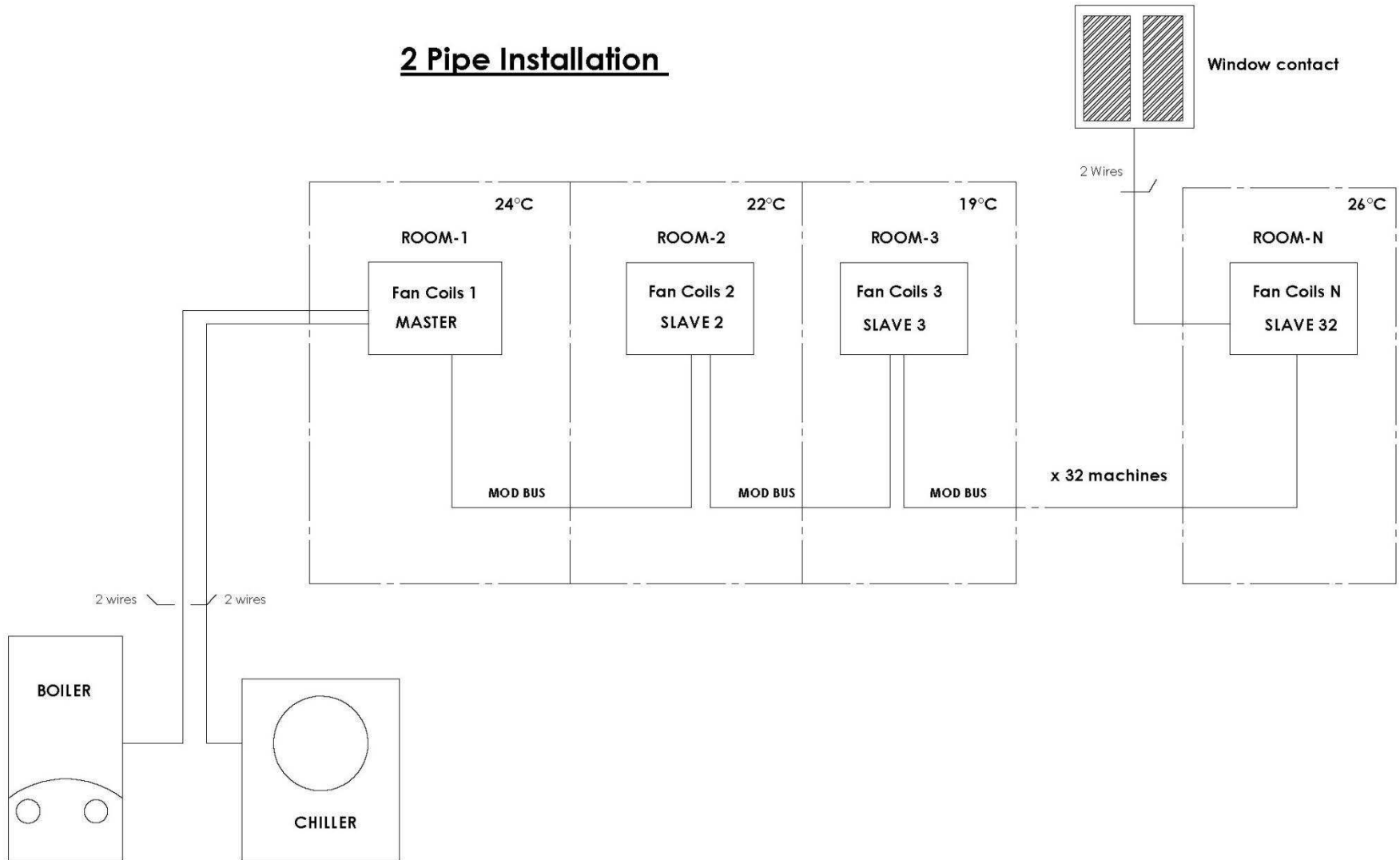


- *Specially studied for big installation , office , hotels.*
- *Control from one personal computer*

Exclusive line Data Logger function

- *Master – Slave control 2048 machine*
- *On-OFF*
- *Mode*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode*
- *Timer*
- *6 Fan speeds*
- *Static function*
- *Temperature setting*
- *UR setting*
- *Night mode*
- *Temperature display (°C / °F)*
- *Machine Program setting*
- *LCD back light display*
- *Remote control*
- *Lock program*

2 Pipe Installation



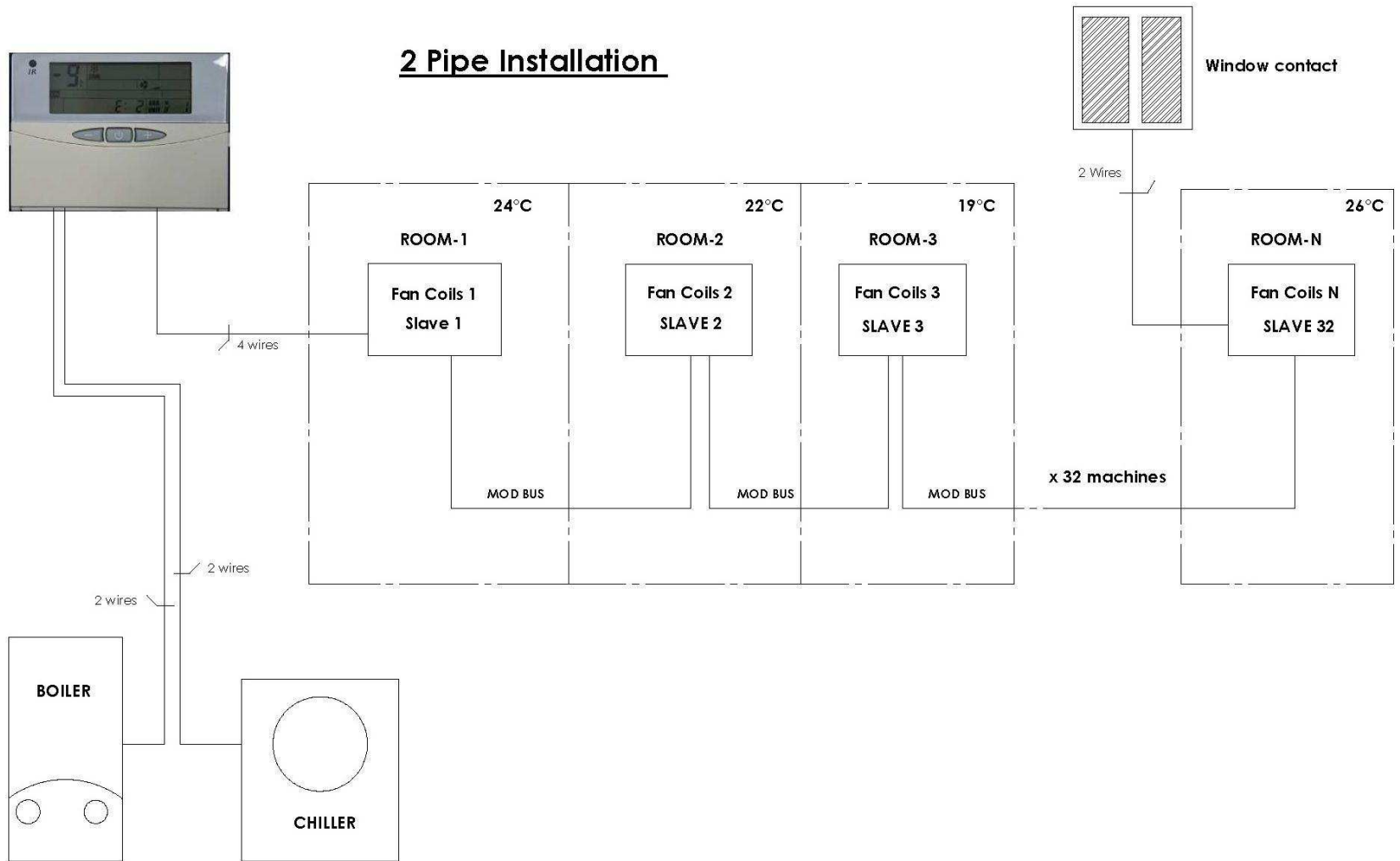
Note : Above rooms temperature scheme is REAL , each single machine work with proper temperature sensor and On-Off signal to the boiler or chiller should be supplied from Master only when all the Net reach each single setting

Master control :

- *On-OFF*
- *Mode*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode function*
- *6 Fan speeds*
- *Static function*
- *Temperature setting*
- *UR setting*
- *Night mode*
- *Temperature display (°C / °F)*
- *Humidity display*
- *Machine Program setting*
- *LCD blue back light display*
- *Alarm display (Function alarm)*
- *Aux 1 to Boiler*
- *Aux 2 to Chiller*
- *Humidistat control*
- *Window contact*

Slave control :

- *On-OFF*
- *Mode (not in conflict with master)*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode function*
- *6 Fan speeds*
- *Static function*
- *Independent Temperature setting*
- *Night mode*
- *Temperature display (°C / °F)*
- *Machine Program setting*
- *LCD blue back light display*
- *Alarm display (Function alarm)*
- *Window contact*



Note : Above rooms temperature scheme is REAL , each single machine work with proper temperature sensor and On-Off signal to the boiler or chiller should be supplied from Master only when all the Net reach each single setting

Wall pad control :

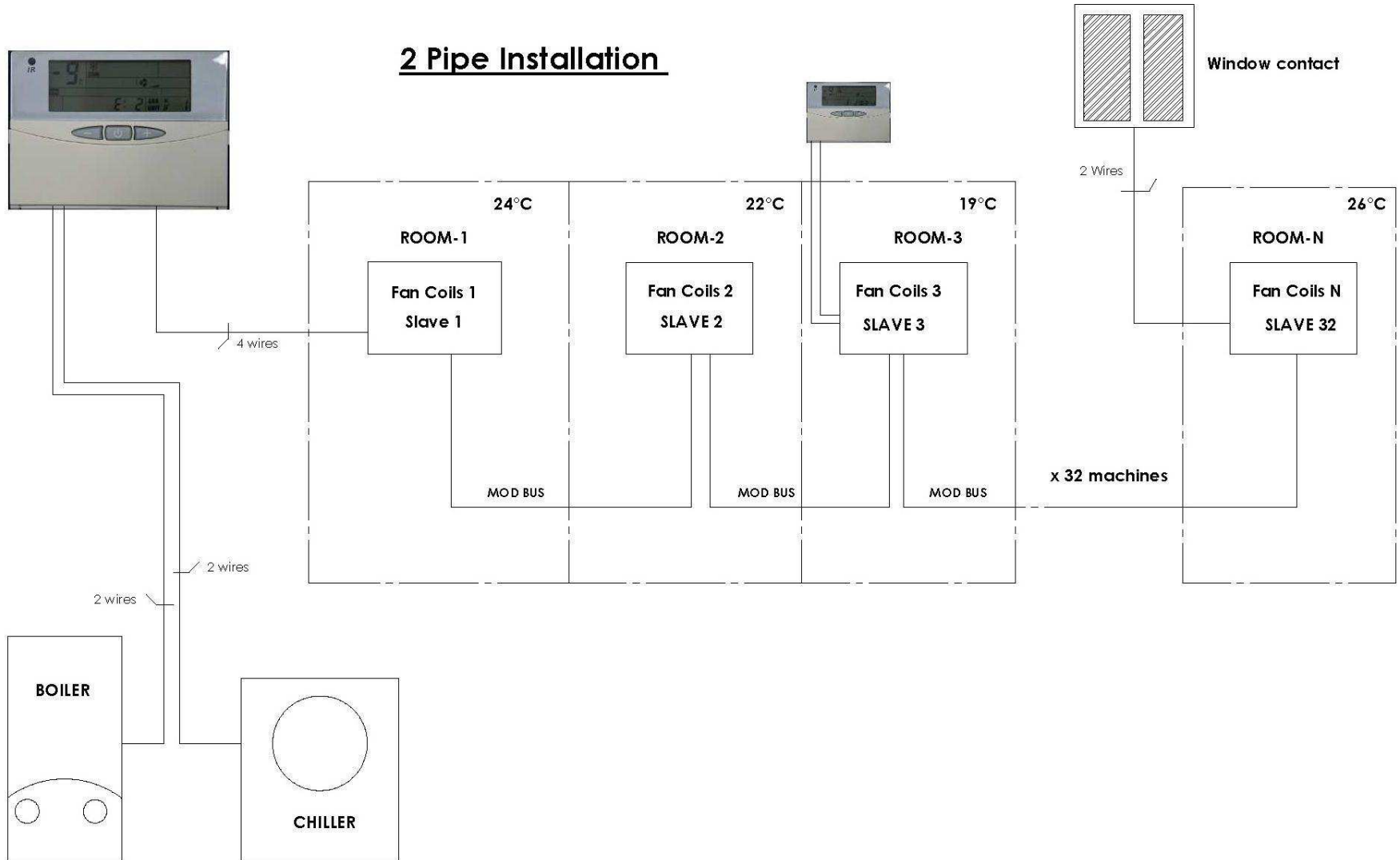
- *On-OFF*
- *Mode*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode function*
- *6 Fan speeds*
- *Static function*
- *Temperature setting*
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- *Humidity display*
- *Machine Program setting*
- *LCD blue back light display*
- *Alarm display (Function alarm)*
- *Aux 1 to Boiler*
- *Aux 2 to Chiller*
- *Humidistat control*
- *Lock command*

Slave control :

- *On-OFF*
- *Mode (not in conflict with master)*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode function*
- *6 Fan speeds*
- *Static function*
- *Independent Temperature setting*
- *Night mode*
- *Temperature display (°C / °F)*
- *Machine Program setting*
- *LCD blue back light display*
- *Alarm display (Function alarm)*
- *Window contact*

Note : Above rooms temperature scheme is indicative because with only one T°C sensor ,present inside Wall pad , is not possible to reach the same set point for all rooms .

2 Pipe Installation



Note : Note : Above rooms temperature scheme is REAL , each single machine work with proper temperature sensor and On-Off signal to the boiler or chiller should be supplied from Master only when all the Net reach each single setting

Wall pad control :

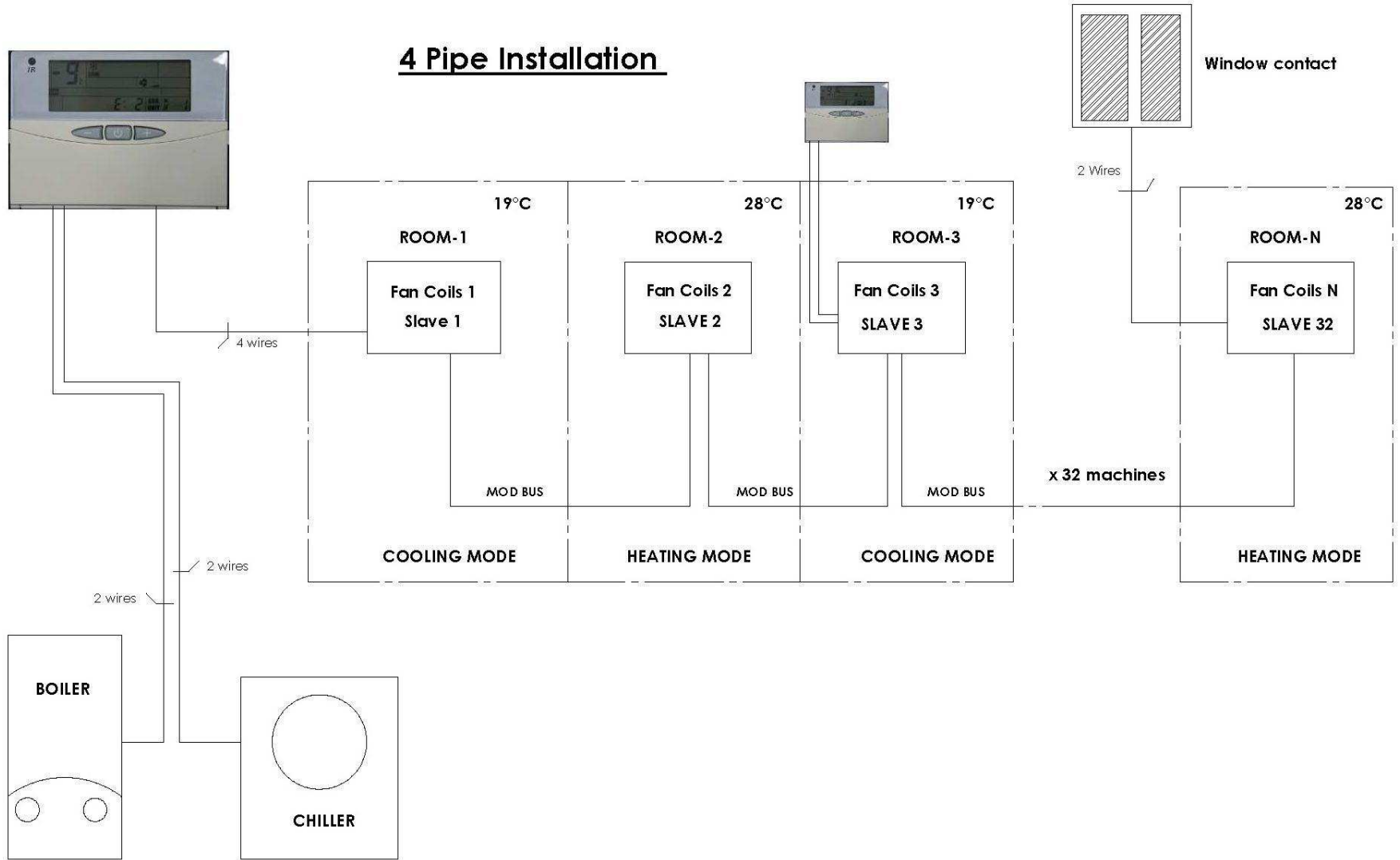
- *On-OFF*
- *Mode*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode function*
- *6 Fan speeds*
- *Static function*
- *Temperature setting*
- *UR setting*
- *Night mode*
- *Temperature display (°C / °F)*
- *Humidity display*
- *Machine Program setting*
- *LCD blue back light display*
- *Alarm display (Function alarm)*
- *Aux 1 to Boiler*
- *Aux 2 to Chiller*
- *Humidistat control*
- *Lock command*

Slave control :

- *On-OFF*
- *Mode (not in conflict with master)*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode function*
- *6 Fan speeds*
- *Static function*
- *Independent Temperature setting*
- *Night mode*
- *Temperature display (°C / °F)*
- *Machine Program setting*
- *LCD blue back light display*
- *Alarm display (Function alarm)*
- *Window contact*

Slave control Room n° 3 :

- *On-OFF*
- *Mode (not in conflict with master)*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode function*
- *6 Fan speeds*
- *Static function*
- *Independent Temperature setting*
- *Night mode*
- *Temperature display (°C / °F)*
- *Machine Program setting*
- *LCD blue back light display*
- *Alarm display (Function alarm)*
- *Window contact*
- *Wall pad command has priority on command on board*



Note : Note : Above rooms temperature scheme is REAL , each single machine work with proper temperature sensor and On-Off signal to the boiler or chiller should be supplied from Master only when all the Net reach each single setting , machine work in Heating and Cooling in the same time

Wall pad control :

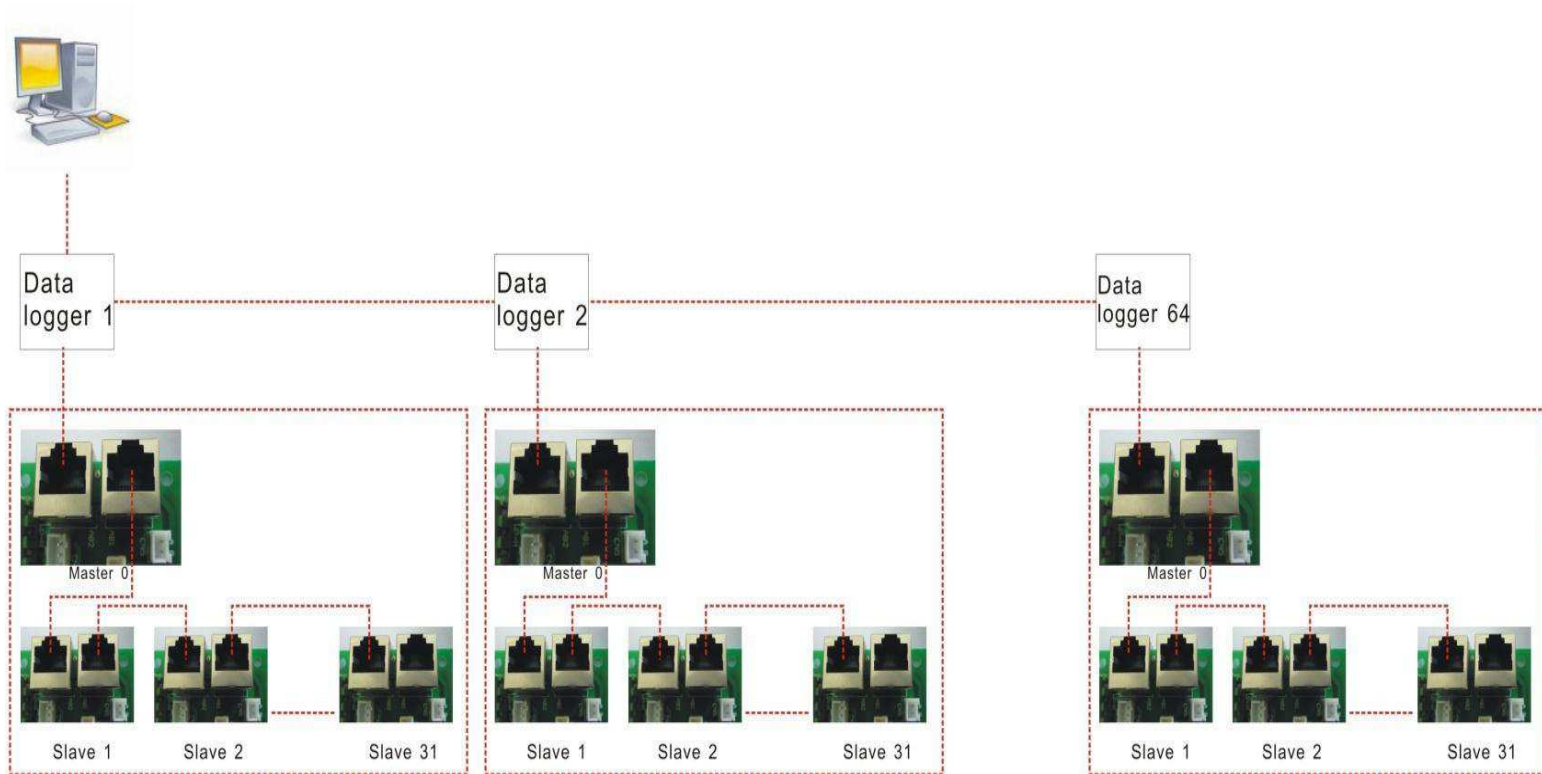
- *On-OFF*
- *Mode*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode function*
- *6 Fan speeds*
- *Static function*
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- *Temperature display (°C / °F)*
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- *Machine Program setting*
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- *Alarm display (Function alarm)*
- *Aux 1 to Boiler*
- *Aux 2 to Chiller*
- *Humidistat control*
- *Lock command*

Slave control :

- *On-OFF*
- *Mode (not in conflict with master)*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode function*
- *6 Fan speeds*
- *Static function*
- *Independent Temperature setting*
- *Night mode*
- *Temperature display (°C / °F)*
- *Machine Program setting*
- *LCD blue back light display*
- *Alarm display (Function alarm)*
- *Window contact*

Slave control Room n° 3 :

- *On-OFF*
- *Mode (not in conflict with master)*
- *Cooling*
- *Heating*
- *Fan*
- *Dehumidification*
- *Innovative Auto mode function*
- *6 Fan speeds*
- *Static function*
- *Independent Temperature setting*
- *Night mode*
- *Temperature display (°C / °F)*
- *Machine Program setting*
- *LCD blue back light display*
- *Alarm display (Function alarm)*
- *Window contact*
- *Wall pad command has priority on command on board*



Note : Each single machine work with proper temperature sensor and On-Off signal to the boiler or chiller should be supplied from Computer only when all the Net reach each single setting

Computer control :


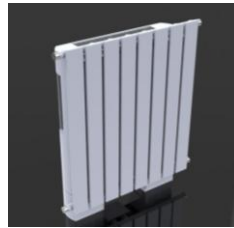
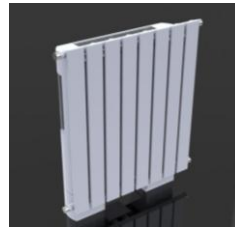
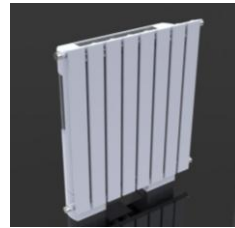
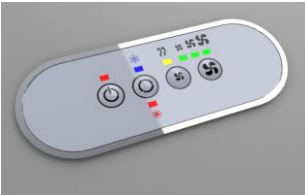
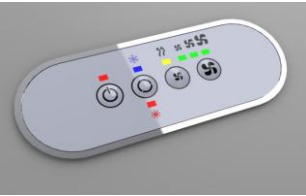










- On-OFF
- Mode
- Cooling
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- Lock command

Slave control :





- On-OFF
- Mode (not in conflict with master)
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Note : Above rooms temperature scheme is indicative because with only one T°C sensor ,present inside Wall pad , is not possible to reach the same set point for all rooms .





Ventilarredo Cooling Radiator (Images)

MODEL	RA 2000 Eco	RA 4000 Eco	RA 2000 Exclusive	RA 4000 Exclusive
FAN COILS CODE	RA-2000-E-xx-xx-xx-xx-00	RA-4000-E-xx-xx-xx-xx-00	RA-2000-X-xx-xx-xx-xx-00	RA-4000-X-xx-xx-xx-xx-00
RADIATOR CODE	RADIATOR -01-xx	RADIATOR -02-xx	RADIATOR -01-xx	RADIATOR -02-xx
Machine Image				
Command on board image				
Price list (US\$)				
Remote controller image (Optional with wired wall pad)				
WIRED WALL PAD CONTROL	Necessary	Necessary	Optional	Optional
Wired Wall pad Image				





Ventilarredo Cooling Radiator (Technical Data)

MODEL	RA 2000 Eco	RA 4000 Eco	RA 2000 Exclusive	RA 4000 Exclusive
FAN COILS CODE	RA-2000-E-xx-xx-xx-xx-00	RA-4000-E-xx-xx-xx-xx-00	RA-2000-X-xx-xx-xx-xx-00	RA-4000-X-xx-xx-xx-xx-00
RADIATOR CODE	RADIATOR -01-xx	RADIATOR -02-xx	RADIATOR -01-xx	RADIATOR -02-xx
Machine Image				
Rated technical data 2-4 pipes version				
DIMENSIONS WIDTH*HEIGHT*DEPTH (mm) without feet	671 x 748 x 169	979 x 748 x 169	671 x 748 x 169	979 x 748 x 169
DIMENSIONS WIDTH*HEIGHT*DEPTH (mm) with feet	671 x 841 x 169	979 x 841 x 169	671 x 841 x 169	979 x 841 x 169
Total cooling capacity (W) (a)	2.169	3.450	2.169	3.450
Sensible cooling capacity (W) (a)	1.559	2.810	1.559	2.810
Water flow (l/h)	370	600	370	600
Water pressure drop (Kpa)	16,0	16,6	18,0	18,0
Heating capacity (W) (Water 50 °C) (b)	2.498	4.000	2.498	4.000
Water flow 50 °C (l/h)	370	600	370	600
Heating capacity (W) (Water 70 °C) (c)	3.620	7.500	3.620	7.500
Water flow 70 °C (l/h)	320	660	240	660
Heating capacity (W) (Water 75 °C) (d)	4.030	8.360	4.030	8.360
Water flow 75 °C (l/h)	350	740	350	740
Static heating capacity (50 °C) (W) (e)	500	885	500	885
Static heating capacity (70 °C) (W) (e)	790	1.700	790	1.700
Static heating capacity (75 °C) (W) (e)	1.100	1.780	1.100	1.780
Coil water content (dm3)	0,60	1,10	0,60	1,10
Radiator water content (dm3)	4,50	6,60	4,50	6,60
Max operating pressure (bar)	10	10	10	10
Max inlet water temperature (°C)	80	80	80	80
Min inlet water temperature (°C)	4	4	4	4
Hydraulic connection (")	3/4 "	3/4 "	3/4 "	3/4 "
Max air flow (m3/h)	410	710	410	710
Min air flow (m3/h)	185	250	185	250
Power supply (V/ph/Hz)	230/1/50	230/1/50	230/1/50	230/1/50
Max current absorbed (A)	0,27	0,54	0,27	0,54
Max power input (W)	45	98	45	98
Absorbed power at minimum speed (W)	12	24	12	24
Sound power max air flow (f) dB(A)	52	54	52	54
Sound power min air flow (f) dB(A)	35	38	35	38
Sound power static mode (f) dB(A)	ambient noise	ambient noise	ambient noise	ambient noise
Sound pressure max air flow (f) dB(A)	45	47	45	47
Sound pressure min air flow (f) dB(A)	25	27	25	27
Sound pressure min air flow (f) dB(A)	ambient noise	ambient noise	ambient noise	ambient noise
CERTIFICATION				
PERFORMANCE	Eurovent laboratory	Eurovent laboratory	Eurovent laboratory	Eurovent laboratory
CE CERTIFICATION	TUV	TUV	TUV	TUV
(a) Eurovent Test condition : Water 7°C IN and 12 °C OUT - Air 27°C dry bulb and 19°C wet bulb UNI EN 1397				
(b) Eurovent Test condition : Water 50°C IN water flow like cooling test - Air 20°C dry bulb				
(c) UNI EN 1397: Water 70°C IN and 60°C out - Air 20°C dry bulb				
(d) EN 442 : Water 75°C IN and 65°C out - Air 20°C dry bulb				
(e) EN 442 : Static heating test with Min water flow 110 liter/h				
(f) Sound power level according ISO 3741 and Sound pressure level according ISO 7779				





Ventilarredo Cooling Radiator (Functions)

MODEL	RA 2000 Eco	RA 4000 Eco	RA 2000 Exclusive	RA 4000 Exclusive
FAN COILS CODE	RA-2000-E-xx-xx-xx-xx-00	RA-4000-E-xx-xx-xx-xx-00	RA-2000-X-xx-xx-xx-xx-00	RA-4000-X-xx-xx-xx-xx-00
RADIATOR CODE	RADIATOR -01-xx	RADIATOR -02-xx	RADIATOR -01-xx	RADIATOR -02-xx
Machine Image				
FUNCTIONS				
COOLING	yes	yes	yes	yes
HEATING	yes	yes	yes	yes
STATIC HEATING	yes	yes	yes	yes
AUTO MODE	no	no	yes	yes
DEHUMIDIFICATION	no	no	yes	yes
FAN	yes	yes	yes	yes
SLEEP FUNCTION	no	no	yes	yes
TIMER	yes from wall pad	yes from wall pad	yes from wall pad	yes from wall pad
DISPLAY FUNCTION ON BOARD	yes	yes	yes	yes
FAN MOTOR	AC motor	AC motor	PG Motor	PG Motor
SPEED	3+static	3+static	6+static	6+static
NUMBER OF RADIATOR'S ELEMENT	8	12	8	12
TEMPERATURE SETTING	yes from wall pad	yes from wall pad	yes	yes
TEMPERATURE DISPLAY	yes from wall pad	yes from wall pad	yes	yes
HUMIDITY SETTING	no	no	yes	yes
WALL PAD CONTROL	yes	yes	yes	yes
MOD BUS communication	no	no	yes	yes
PRIMARY FILTER	yes	yes	yes	yes
ACTIVE CARBON FILTER OR CATALYTIC FILTER	optional	optional	optional	optional
2 PIPES WITHOUT VALVES	yes	yes	yes	yes
2 PIPE WITH 2 WAY PORT VALVE	yes	yes	yes	yes
2 PIPES WITH 3 WAY BY PASS VALVE	yes	yes	yes	yes
4 PIPE WITH TWO 3 WAY BY PASS VALVES	yes	yes	yes	yes
HUMIDISTAT CONTACT	no	no	yes	yes
WINDOW CONTACT	yes	yes	yes	yes
WALL MAP	yes	yes	yes	yes
WATER DRAINAGE PIPE	yes	yes	yes	yes
USER MANUAL	yes	yes	yes	yes
INSTALLATION MANUAL	optional	optional	optional	optional
SERVICE MANUAL	optional	optional	optional	optional





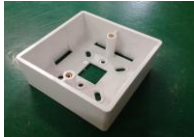

Ventilarredo Cooling Radiator (Accessory list)

MODEL	RA 2000 Eco	RA 4000 Eco	RA 2000 Exclusive	RA 4000 Exclusive
FAN COILS CODE	RA-2000-E-xx-xx-xx-xx-00	RA-4000-E-xx-xx-xx-xx-00	RA-2000-X-xx-xx-xx-xx-00	RA-4000-X-xx-xx-xx-xx-00
RADIATOR CODE	RADIATOR -01-xx	RADIATOR -02-xx	RADIATOR -01-xx	RADIATOR -02-xx
Machine Image				
ACCESSORY KIT				
WATER PUMP	Code : R122160574	Code : R122160574	Code : R122160574	Code : R122160574
FEET BEND DESIGN	Code : R121160073	Code : R121160073	Code : R121160073	Code : R121160073
FEET SQUARE DESIGN	Code : R121160072	Code : R121160072	Code : R121160072	Code : R121160072
NO VALVE (2 PIPE CONNECTION) BOX	Code : R122160750	Code : R122160750	Code : R122160750	Code : R122160750
2 PORT ON-OFF VALVE (2 PIPE CONNECTION) BOX	Code : R122160752	Code : R122160752	Code : R122160752	Code : R122160752
3 WAY BY PASS VALVE (2 PIPE CONNECTION) BOX	Code : R122160751	Code : R122160751	Code : R122160751	Code : R122160751
3 WAY BY PASS VALVE (4 PIPE CONNECTION) BOX	Code : R122160753	Code : R122160753	Code : R122160753	Code : R122160753
Connection pipe (wall side) 2 pipes	Code : R121211423	Code : R121211426	Code : R121211423	Code : R121211426
Connection pipe (wall side) 4 pipes	-	Code : R121211425	-	Code : R121211425
Connection pipe (floor side) 2 pipes	Code : R121211424	Code : R121211428	Code : R121211424	Code : R121211428
Connection pipe (floor side) 4 pipes	Code : R121211422	Code : R121211427	Code : R121211422	Code : R121211427
WALL PAD + REMOTE CONTROL	Code : R131010556	Code : R131010556	Code : R131010555	Code : R131010555
HUMIDISTAT KIT	NO	NO	Code : R131200039	Code : R131200039
DATA LOGGER + SOFTWARE	NO	NO	Code : R131010557	Code : R131010557
ACTIVE CARBON FILTER OR CATALYTIC FILTER	Code : R122210160	Code : R122210160	Code : R122210160	Code : R122210160

Ventilarredo Cooling Radiator (Packing and Loading Information)

MODEL	RA 2000 Eco	RA 4000 Eco	RA 2000 Exclusive	RA 4000 Exclusive
FAN COILS CODE	RA-2000-E-xx-xx-xx-xx-00	RA-4000-E-xx-xx-xx-xx-00	RA-2000-X-xx-xx-xx-xx-00	RA-4000-X-xx-xx-xx-xx-00
RADIATOR CODE	RADIATOR -01-xx	RADIATOR -02-xx	RADIATOR -01-xx	RADIATOR -02-xx
Machine Image				
LOADING INFORMATION				
PACKINGS	WIDTH*HEIGHT*DEPTH (mm) Fan coils	637 x 786 x 221	954 x 786 x 221	637 x 786 x 221
VOLUME (CUBE METER) Fan coils		0,11	0,17	0,11
WEIGHT (NET/GROSS) (Kg) Fan coils		20	25	20
PACKINGS	WIDTH*HEIGHT*DEPTH (mm) Radiator	745 x 849 x 112	1048 x 849 x 112	745 x 849 x 112
VOLUME (CUBE METER) Radiator		0,07	0,10	0,07
WEIGHT (NET/GROSS) (Kg) Radiator		15	25	15
CONTAINER LOADING (20'/40'GP/40'HC), palletizing (fan coils and radiator)		132/264/313	85/180/220	132/264/313
CONTAINER LOADING (20'/40'GP/40'HC), NO palletizing (fan coils and radiator)		155/325/405	105/220/275	155/325/405

Ventilarredo Cooling Radiator (Accessory Information 3/3)

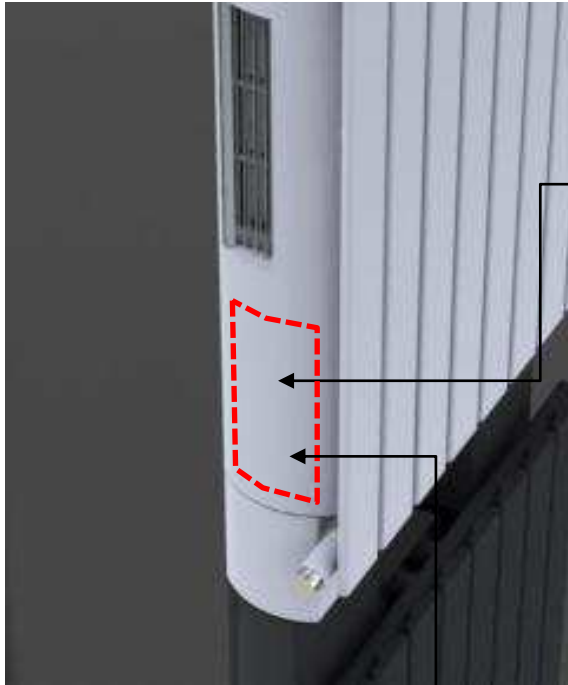
ACCESSORY	Eco Wall pad	Eco Wall pad	Eco Wall pad + Remote control	Eco Touch screen Wall pad + Remote control	Surface Box	Embedded box
Code	R131010556-1	R131010556-2	R131010556-3	R131010556-4	R131010556-5	R131010556-6
Accessory Image						
Information						
Available for	Eco line	Eco line	Eco line	Eco line	Eco Line Thermostat	Eco Line Thermostat
Set content	Wall pad	Wall pad	Wall pad + Remote control	Wall pad + Remote control	plastic box	plastic box
Power supply (V/ph/Hz)	230-1-50	230-1-50	230-1-50	230-1-50	-	-
Single box dimension (mm)	110*90*60	110*90*60	110*90*60	110*90*60	110*90*60	110*90*60
Master carton dimension (mm)	435*310*270	435*310*270	435*310*270	435*310*270	435*310*270	435*310*270
Set for master Cartoon	40	40	40	40	40	40
Volume for master cartoon (m3)	0,036	0,036	0,036	0,036	0,036	0,036
Installation	This accessory is alternative at code R131010556	This accessory is alternative at code R131010556	This accessory is alternative at code R131010556	This accessory is alternative at code R131010556	Plastic box for surface mounted	Plastic box for surface mounted
Note	Wall pad can control 2-4 pipes installation and max 32 machines (Hailin Model HL 109)	Wall pad can control 2-4 pipes installation and max 32 machines (Hailin Model HL 116)	Wall pad can control 2-4 pipes installation and max 32 machines (Hailin Model HL 2003)	Wall pad can control 2-4 pipes installation and max 32 machines (Hailin Model HL 2018)	Available for Hailin code 2008 - 116 - 2003 - 2018	Available for Hailin code 2008 - 116 - 2003 - 2018
Price list inside machine	not inside machine	not inside machine	not inside machine	not inside machine	not inside machine	not inside machine
Price list like accessory						



main PCB

Function

- Stand Alone control
- AUX 1-2 to Boiler and Chiller
- Window Contact
- 1-2 On-Off valves connection
- 2-4 pipes
- Water pump connection
- Wall pad connection for 32 machines control
- PCB should be connected with the most common wall pad available in the market



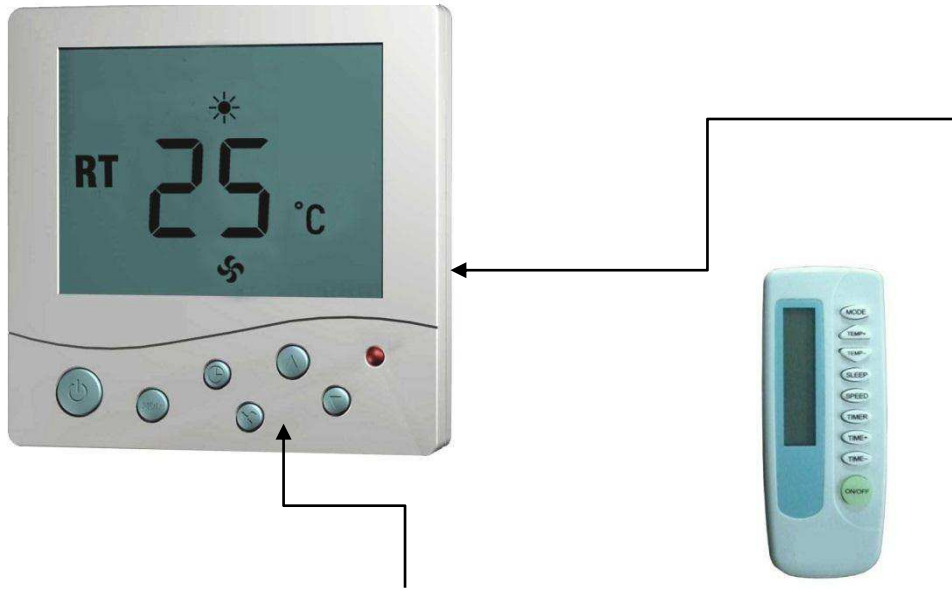
Standard Model



Different models available
See accessory list



Wall pad control



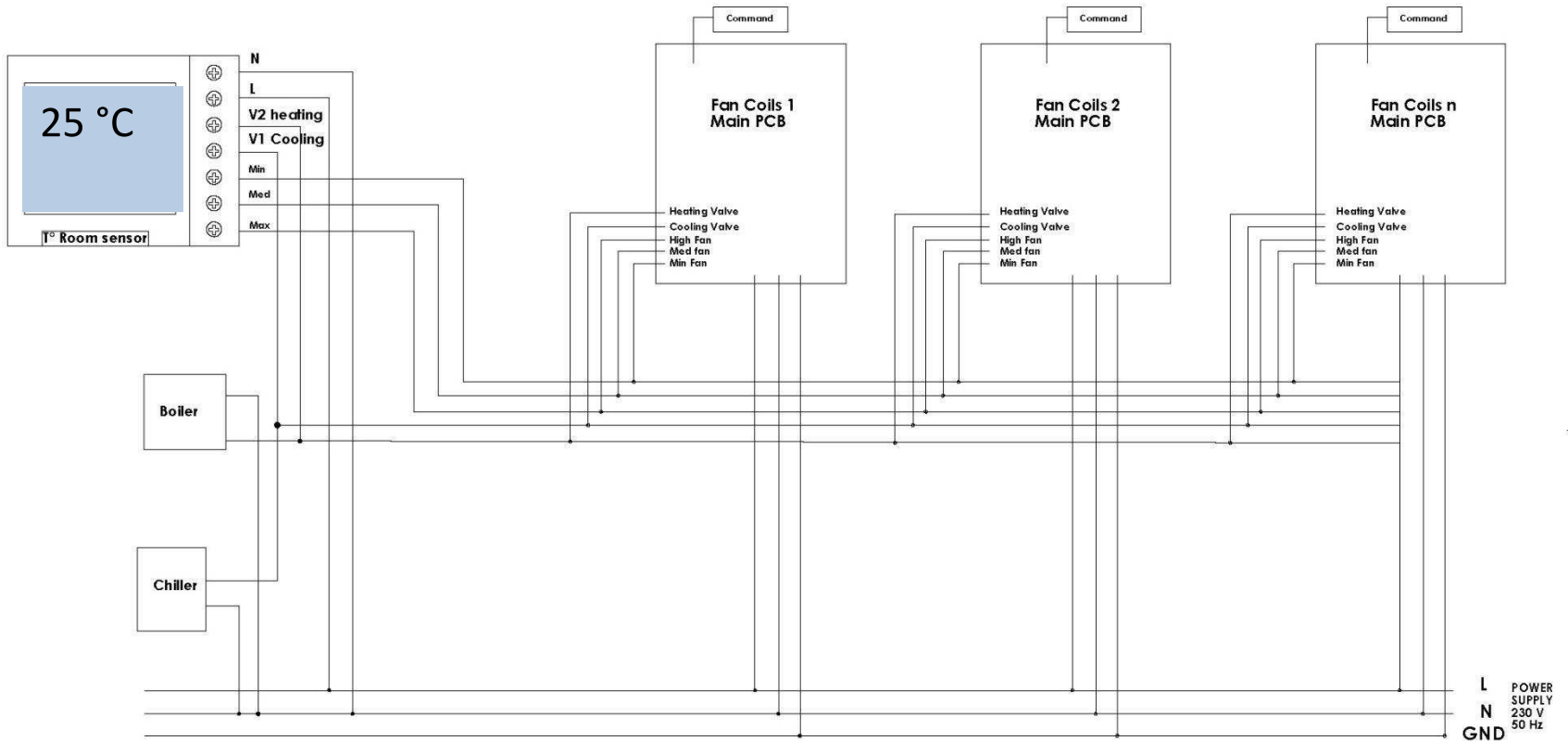
- *Global control (all machine in the net work with same command from wall pad)*
- *Wall pad command is master command*

- *Master – Slave control 32 machine*
- *On-OFF*
- *Mode*
- *Cooling*
- *Heating*
- *Fan*
- *Timer*
- *3 Fan speeds*
- *Temperature setting*
- *Temperature display (°C)*
- *LCD Blues back light display*
- *Remote control*

Note : Company supply large thermostat range from Hailin , any way the PCB present on Eco line is studied to have a right match with the most common Wall pad thermostat available in the market



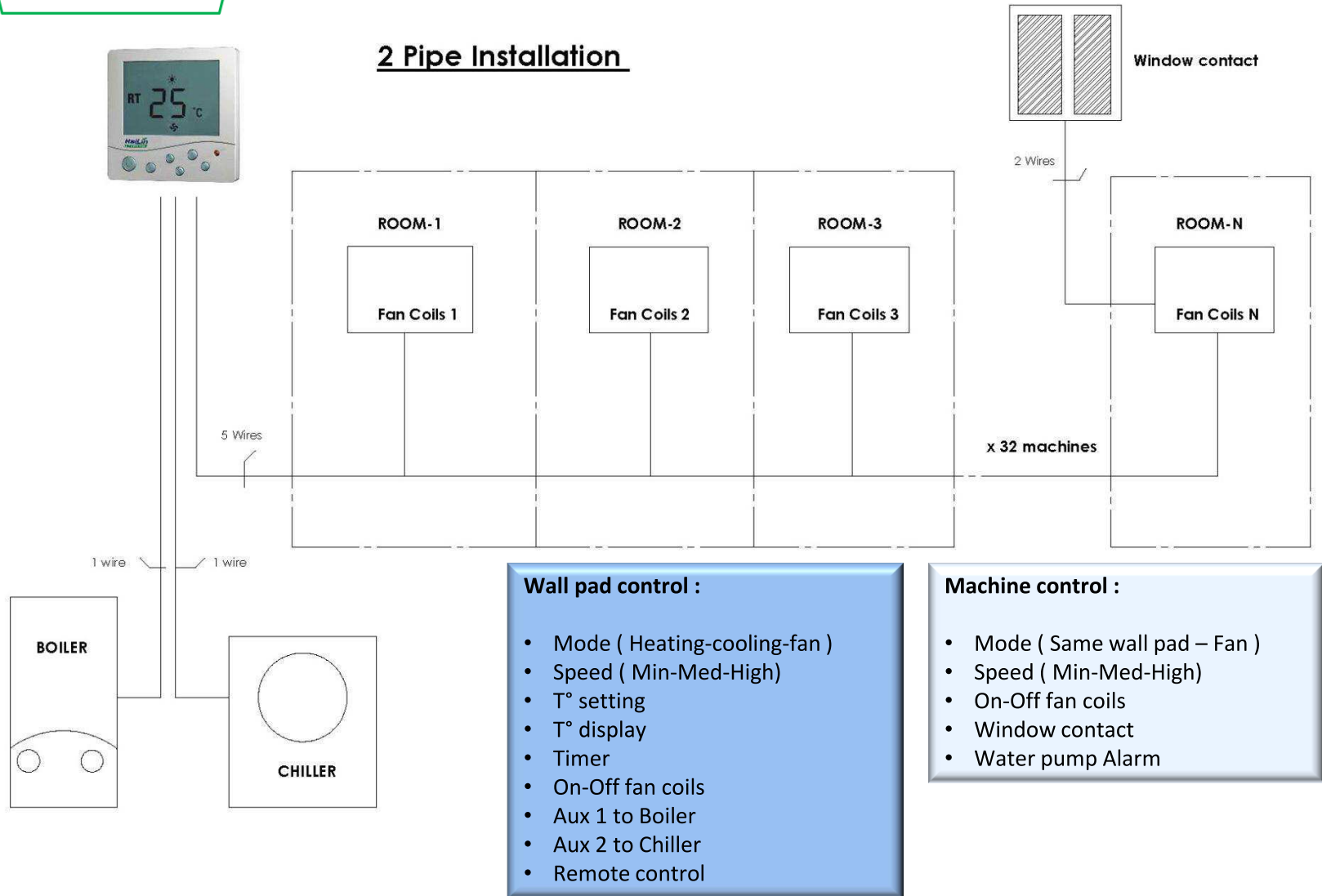
Wall pad control generic connection scheme





Electric Connection example -1 2 pipes

2 Pipe Installation

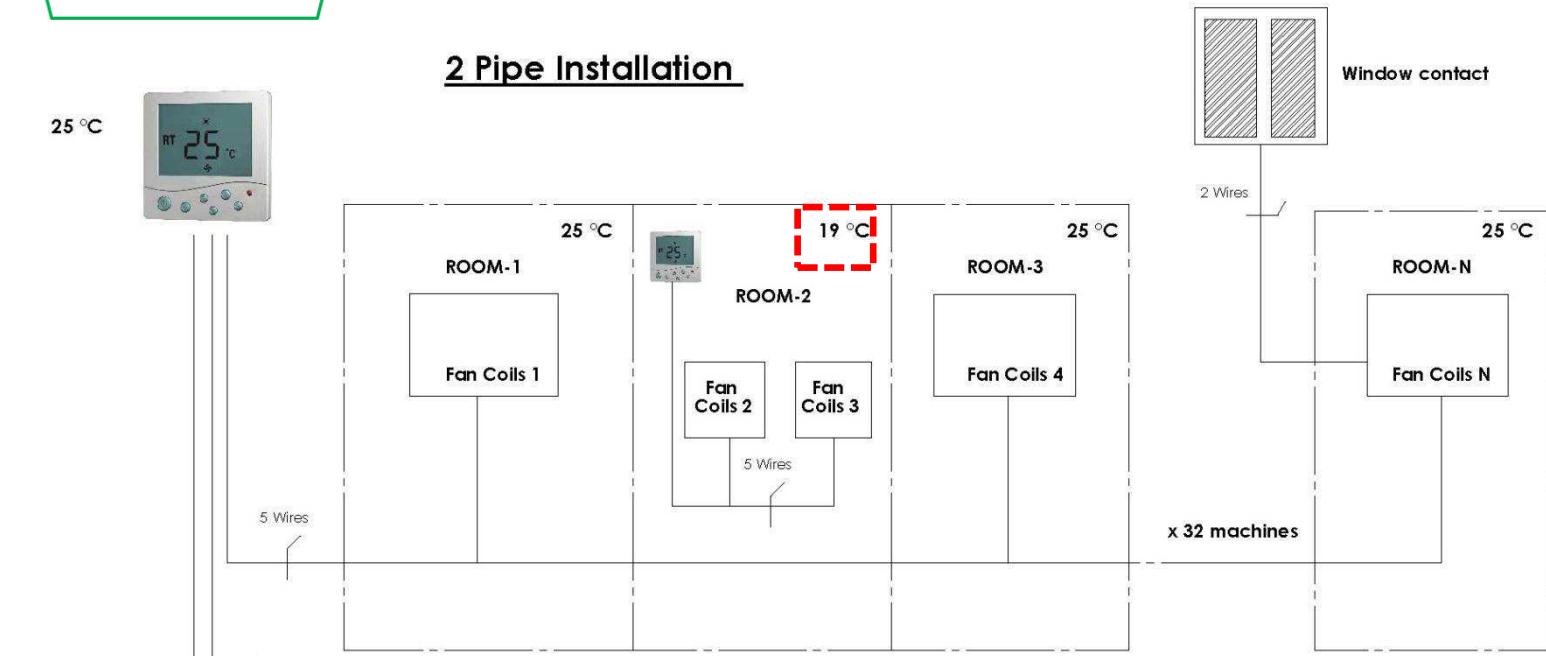


Note : Above rooms temperature scheme is indicative because with only one T°C sensor ,present inside Wall pad , is not possible to reach the same set point for all rooms .



Electric Connection example - 2 pipes

2 Pipe Installation



- Wall pad control :**
- Mode (Heating-cooling-fan)
 - Speed (Min-Med-High)
 - T° setting
 - T° display
 - Timer
 - On-Off fan coils
 - Aux 1 to Boiler
 - Aux 2 to Chiller
 - Remote control

- Machine control :**
- Mode (same wall pad –fan)
 - Speed (Min-Med-High)
 - On-Off fan coils
 - Window contact
 - Water pump Alarm

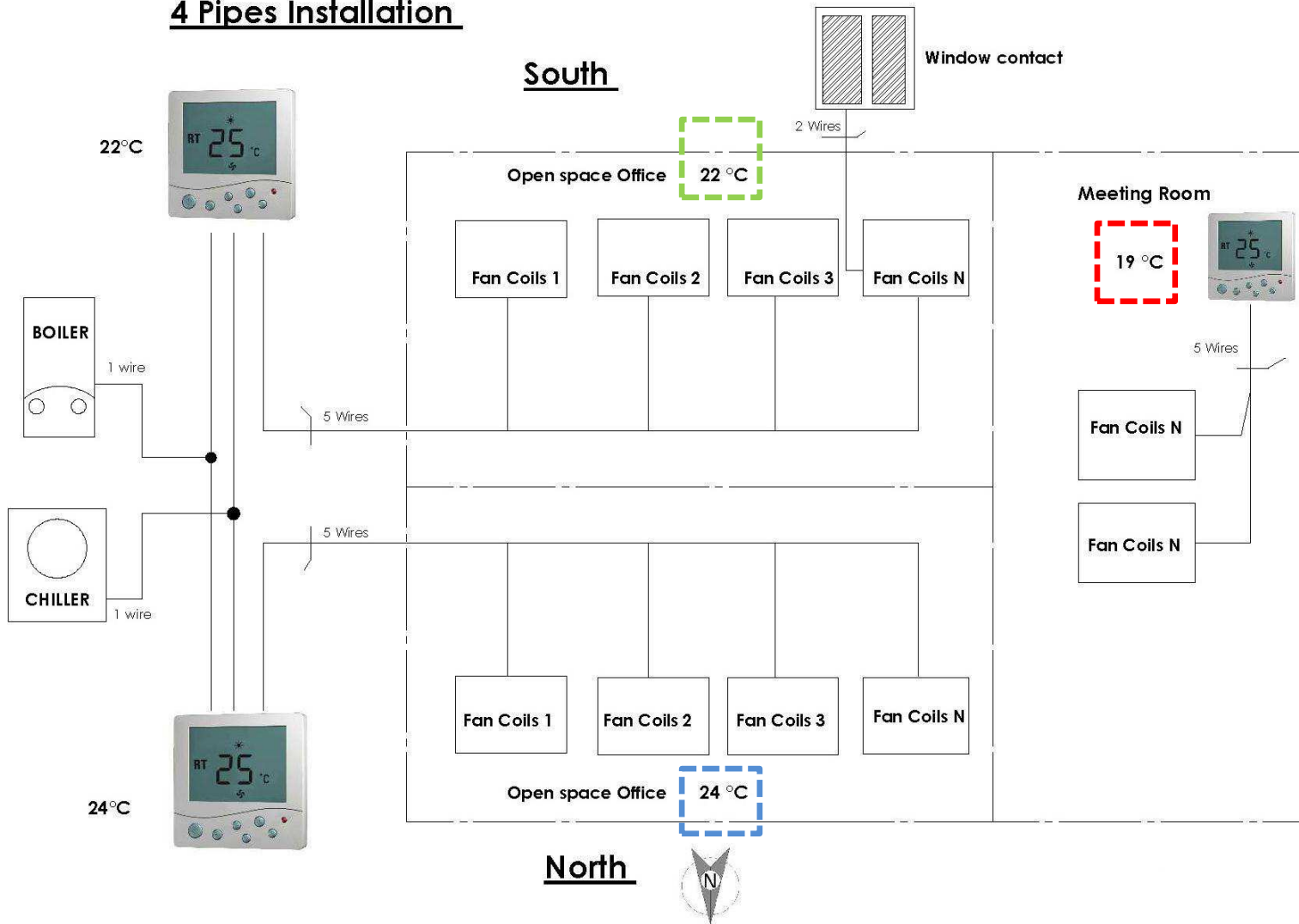
- Room 2 Machine 2 -3 control**
- Mode (same wall pad -fan)
 - Speed (Min-Med-High)
 - T° setting
 - T° display
 - Timer
 - On-Off fan coils
 - Remote control
 - Window contact
 - Water pump Alarm

Note : Room n°2 have autonomy temperature control , and can have different set point from the net



Electric Connection example -3 4 pipes

4 Pipes Installation





Electric Connection example -3 4 pipes

Typically installation in Winter :

- 2 Open space office with different exposition (North and South)
- 1 Meeting room , for sporadic use and independent control

Wall pad control (South Area) :

- Mode (Heating-cooling-fan)
- Speed (Min-Med-High)
- T° setting
- Timer
- On-Off fan coils
- Aux 1 to Boiler
- Aux 2 to Chiller
- Remote control

Machine control (South Area) :

- Mode (Same Wall pad –Fan)
- Speed (Min-Med-High)
- On-Off fan coils
- Window contact
- Water pump Alarm

Meeting Room 2 Machine independent control

- Mode (Heating-cooling-fan)
- Speed (Min-Med-High)
- T° setting
- T° Display
- Timer
- On-Off fan coils
- Remote control
- Window contact
- Water pump Alarm

Wall pad control (North Area) :

- Mode (Heating-cooling-fan)
- Speed (Min-Med-High)
- T° setting
- Timer
- On-Off fan coils
- Aux 1 to Boiler
- Aux 2 to Chiller
- Remote control

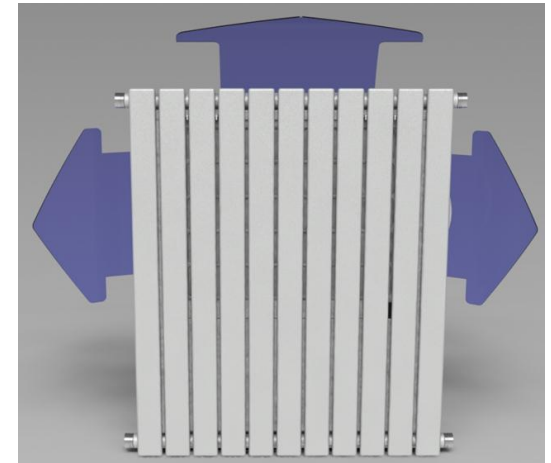
Machine control (North Area) :

- Mode (Same wall pad – Fan)
- Speed (Min-Med-High)
- On-Off fan coils
- Window contact
- Water pump Alarm

Note : In Winter is possible to have one side (North) in heating mode and one side (South) on cooling mode , and independent necessity for meeting room

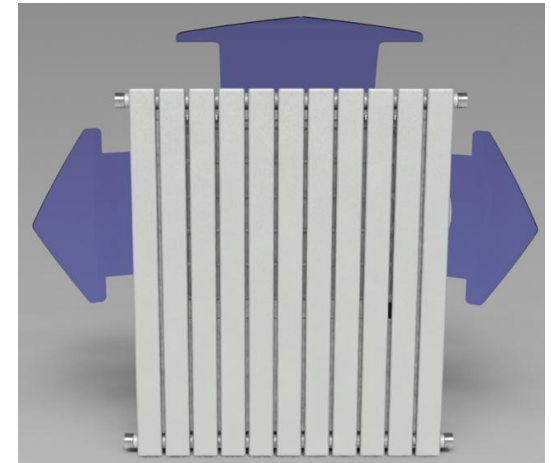
• Ventilaredo Advantages -1

- Application Domestic use (house)
- Commercial application (Hotel room – office)
- Cooling and heating
- Zero noise in heating
- Super Low noise in Cooling (25-27 dB A)
- Traditional Design Radiator for traditional people
- Luxury Radiator Design for innovative people
- Easy to customize for customer necessity
- Full control for top professional required
- Easy control for competitive market
- Big potential market for new building and also renovation of old houses
- Large cooling capacity range from 500 to 4000 watt
- Large Heating capacity range from 500 to 8000 watt
- No competitors
- Retail price : Very competitive



• Advantages -2

- Studied for all installation required in the markets :
- 2 pipes On-Off pump
- 2 pipes Inverter pump
- 4 pipe On-Off and Inverter pump
- Only heating
- Only Cooling
- Heating and Cooling
- Dehumidification control for radiant system
- Integration with radiant system to improve cooling demand
- Perfect combination for new house , new HP , new condensation boiler using low water temperature in heating (40-45 °C)
- Variable heating and cooling capacity via software
- Modulating capacity from 10 to 150 % from water distributor
- Different speed setting via software
- Full PCB with setting programmable through command on board
- Easy to install
- Complete accessory Kit for all customer installation required





Thanks for your attention