

NOTES to go through before starting the unit

1. Symbols :
- X1M

:

Main terminal

:

Earth wiring

15

:

Wire number 15

:

Field wire

:

Field cable

:

Screened conductor

1

:

Several wiring possibilities
- :

Option
- :

Wiring depending on model
- :

Not mounted in switch box
- :

PCB

2. Refer to the installation or service manual on how to use BS1 ~ BS3 push buttons and DS1-1 ~ DS1-2 DIP switches.

3. Do not operate the unit by short-circuiting protection device S1PH. S1PH has to be manually reset via BS3 push button after high pressure has been exceeded.

4. Refer to the installation manual for indoor-outdoor transmission F1-F2 wiring.

5. When using the central control system, connect outdoor-outdoor transmission F1-F2.

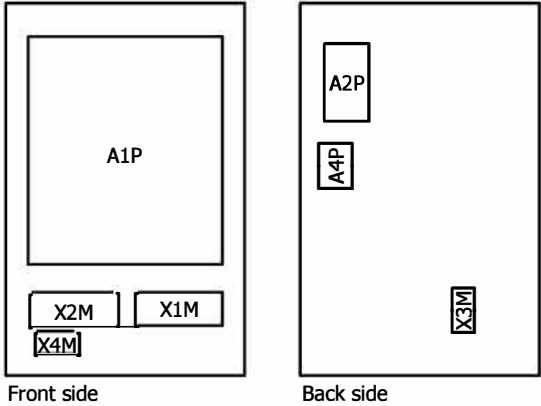
6. The capacity of the contact is 220~240V AC - 0,5A (Rush current needs 3A or less).

7. Use dry contact for micro-current (1 mA or less 12V DC).

8. Digital output: max 40V DC - 0,025A. Refer to installation manual for how to use this output.

9. For X27A refer to the installation manual of the option.

POSITION IN SWITCH BOX



LEGEND



Translation can be found in the installation manual.

* : Optional
: Field supply

Part n°	Description	Part n°	Description
A1P	main PCB	R10T	thermistor (fin)
A2P	sub PCB	R21T	thermistor (discharge)
A4P	cool / heat selector PCB	R*T (A*P)	PTC thermistor
BS* (A1P)	push button switch	S1NPH	high pressure sensor
DS* (A1P)	dipswitch	S1NPL	low pressure sensor
E1H	* bottom plate heater	S1PH	high pressure switch
E1HC	crank case heater	S1S	* air control switch
F1U (A1P)	fuse M 56 A 250 V	S2S	* cool / heat switch
F1U (A2P)	fuse T 3.15 A 250 V	SEG* (A1P)	7-segment display
F1U	fuse T 1.0 A 250 V	SFB	# mechanical ventilation error input
F2U (A1P)	fuse T 6.3 A 250 V	V1R, V2R (A1P)	IGBT power module
F3U (A1P)	fuse T 6.3 A 250 V	V3R (A1P)	diode module
F6U (A1P)	fuse T 5 A 250 V	X*A	PCB connector
HAP (A1P)	running LED (service monitor-green)	X*M	terminal strip
K*M (A1P)	contactor on PCB	X*Y	connector
K*R (A*P)	relay on PCB	Y1E	electronic exp. valve (main - EVM1)
M1C	motor (compressor)	Y2E	electronic exp. valve (EVT)
M1F	motor (fan)	Y3E	electronic exp. valve (main - EVM2)
PS* (A*P)	switching power supply	Y4E	electronic exp. valve (EVL)
Q1	overload switch	Y5E	electronic exp. valve (EVSL)
Q1DI	# earth leakage circuit breaker	Y6E	electronic exp. valve (EVSG)
R1T	thermistor (ambient)	Y1S	solenoid valve (4-way valve)
R3T	thermistor (suction)	Y3S	# error operation output (SVEO)
R4T	thermistor (liquid)	Y4S	# leak sensor output (SVS)
R5T	thermistor (subcool)	Z*C	noise filter (ferrite core)
R6T	thermistor (superheat)	Z*F (A*P)	noise filter
R7T	thermistor (heat exchanger)		