NOTES TO GO THROUGH BEFORE STARTING THE UNIT:

X1M : Field wiring terminal for high voltage
X2M : Field wiring terminal for low voltage

: Earth wiring
: Field supply

: Option

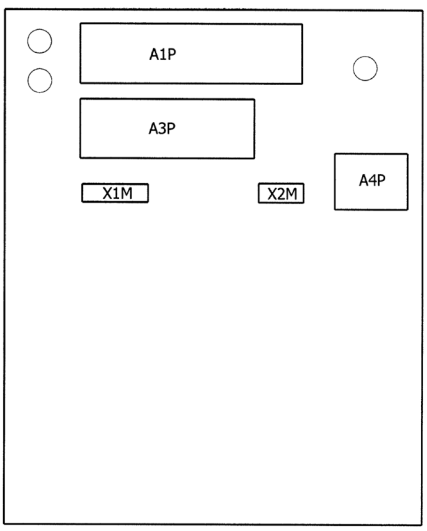
: Not mounted in switch box

: PCB

(1) : Several wiring possibilities

User installed options:
- ☐ EKRUAHT* = Remote user interface
- ☐ EKRP1AHT* = Demand PCB
- ☐ EKBUH* = External back-up heater
- ☐ EKRTW* = Room thermostat (wired)
- ☐ EKRTR* = Room thermostat (wireless)
- ☐ EKRTETS = External temperature sensor for EKRTR*

SWITCHBOX layout:



LEGEND

* : Field installed option
\# : Field supplied

Part number		Description
A1P		Main PCB (master)
A2P		User interface PCB
A3P		Control PCB
A4P	*	Demand PCB
A5P	*	Remote user interface PCB
A6P	*	Thermostat PCB
A7P	*	Receiver PCB
C1-C3		Filter capacitor
F1U (A*P)		Fuse (T, 3.15A, 250V)
HAP (A*P)		PCB LED
K1E		Electronic expansion valve
K*R (A3P)		PCB relay
M1P		Pump
PC (A7P)	*	Power circuit
PS (A1P)		Switching power supply
Q* DI	#	Earth leakage circuit breaker
R1H (A6P)	*	Humidity sensor
R1T		Leaving water thermistor
R1T (A6P)	*	Ambient sensor
R2T		Returning water thermistor
R2T	*	External sensor (floor or ambient)
R3T		Refrigerant liquid thermistor
R4T		Refrigerant gas thermistor
S1L		Flow switch
S1S	#	Thermostat input 1
S2S	#	Thermostat input 2
S3S	#	Operation ON input
S4S	#	Operation OFF input
SS1 (A1P)		Selector switch (emergency)
SS1 (A2P)		Selector switch (main / sub)
SS1 (A5P)	*	Selector switch (main / sub)
T1R		Diode bridge
V1C - V2C		Ferrite core noise filter
X*A (A*P)		PCB connector
X1M - X2M		Terminal strip
X*M (A*P)	*	PCB terminal strip
Z1F (A1P)		Noise filter