# RYMA5A / RXYA8-12A

## NOTES to go through before starting the unit

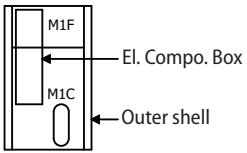
1. Symbols:

X1M : Main terminal
: Earth wiring
: Field wire
: Field cable
: Screened conductor
(1) : Several wiring possibilities

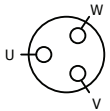
: Option
: Wiring depending on model
: Not mounted in switch box
: PCB

2. Refer to the installation or service manual on how to use BS1 ~ BS3 push buttons and DS1 ~ DS2 DIP switches.
3. Do not operate the unit by short-circuiting protection device(s) S*PH.
4. Refer to the installation manual for indoor-outdoor transmission F1-F2 and outdoor-multi transmission Q1-Q2 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 (10mA or less, 15V DC).
8. When using the optional adapter, refer to the installation manual of the optional adapter.

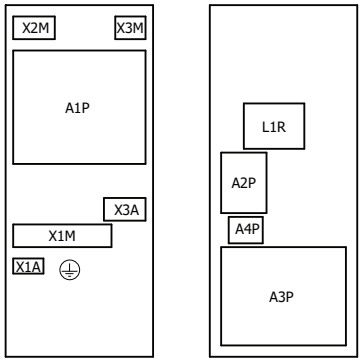
## LAYOUT OF M1C, M1F




## TERMINAL OF M1C




## POSITION IN SWITCH BOX




Front side Back side

## LEGEND

| Part n° | | Description |
|---|---|---|
| A1P | | Printed circuit board (main) |
| A2P | | Printed circuit board (noise filter) |
| A3P | | Printed circuit board (inverter) |
| A4P | | Printed circuit board (fan) |
| BS* (A1P) | | Push button switch |
| DS* (A1P) | | Dipswitch |
| E1HC | | Crank case heater |
| E3H | * | Bottom plate heater |
| F1U (A1P) | | Fuse T 10 A 250 V |
| F1U, F2U | | Fuse T 1 A 250 V |
| F3U | # | Field fuse |
| HAP (A1P) | | Running LED (service monitor-green) |
| K*R (A*P) | | Relay on PCB |
| L1R | | Reactor |
| M1C | | Motor (compressor) |
| M1F | | Motor (fan) |
| Q1DI | # | Earth leakage circuit breaker |
| R1T | | Thermistor (Air) |
| R3T | | Thermistor (Liquid main) |
| R4T | | Thermistor (Heat exch. liquid upper) |
| R5T | | Thermistor (Heat exch. liquid lower) |
| R6T | | Thermistor (Subcool heat exch. gas) |
| R7T | | Thermistor (Subcool heat exch. liquid) |
| R8T | | Thermistor (Heat exch. gas upper) |
| R9T | | Thermistor (Heat exch. gas lower) |
| R10T | | Thermistor (Suction) |
| R11T | | Thermistor (Heat exch. de-icer) |
| R12T | | Thermistor (Suction compressor) |

| Part n° | | Description |
|---|---|---|
| R13T | | Thermistor (Receiver gas) |
| R15T | | Thermistor (M1C body) |
| R16T | | Thermistor (Gas injection) |
| R21T | | Thermistor (M1C discharge pipe) |
| S1NPH | | High pressure sensor |
| S1NPL | | Low pressure sensor |
| S*PH | | High pressure switch |
| SEG* (A1P) | | 7-segment display |
| SFB | # | Mechanical ventilation error input |
| T1A | | Current sensor |
| X*A | | Connector |
| X*M | | Terminal strip |
| Y1E | | Electronic exp. valve (Heat exch. upper) |
| Y2E | | Electronic exp. valve (Subc. heat exch.) |
| Y3E | | Electronic exp. valve (Heat exch. lower) |
| Y4E | | Electronic exp. valve (Receiver gas) |
| Y5E | | Electronic exp. valve (Inverter cooling) |
| Y2S | | Solenoïd valve (Liquid pipe) |
| Y3S | | Solenoïd valve (HP/LP gas pipe) |
| Y4S | | Solenoïd valve (Heat exchanger lower) |
| Y5S | | Solenoïd valve (Heat exchanger upper |
| Y8S | | Solenoïd valve (Gas injection) |
| Y10S | | Solenoïd valve (Accu oil return) |
| Y11S | | Solenoïd valve (M1C oil return) |
| Y13S | # | Error operation output (SVEO) |
| Y14S | # | Leak sensor output (SVS) |
| Z*C | | Noise filter (ferrite core) |

* : optional #: field supply