1. Parts List

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Qty</th>
<th>Applicable model</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M-Net board (self-insulation sheets and supports)</td>
<td>1</td>
<td>O O O O O</td>
</tr>
<tr>
<td>2</td>
<td>Ritz (for mounting circuit board)</td>
<td>1</td>
<td>O</td>
</tr>
<tr>
<td>3</td>
<td>Insulation sheets</td>
<td>1</td>
<td>O</td>
</tr>
<tr>
<td>4</td>
<td>Terminal base</td>
<td>1</td>
<td>O O O O O</td>
</tr>
<tr>
<td>5</td>
<td>Screw (M6×8)</td>
<td>1</td>
<td>O</td>
</tr>
<tr>
<td>6</td>
<td>Terminal block (M-Net)</td>
<td>1</td>
<td>O O O O O</td>
</tr>
<tr>
<td>7</td>
<td>Terminal screw (M3x0.5x3)</td>
<td>1</td>
<td>O O O O O</td>
</tr>
<tr>
<td>8</td>
<td>Label</td>
<td>1</td>
<td>O O O O O</td>
</tr>
<tr>
<td>9</td>
<td>Lead wire A (5 wires)</td>
<td>1</td>
<td>O O</td>
</tr>
<tr>
<td>10</td>
<td>Lead wire B (3 wires)</td>
<td>1</td>
<td>O O</td>
</tr>
<tr>
<td>11</td>
<td>Lead wire C (3 wires)</td>
<td>1</td>
<td>O O</td>
</tr>
<tr>
<td>12</td>
<td>Lead wire D (2 wires)</td>
<td>1</td>
<td>O O</td>
</tr>
<tr>
<td>13</td>
<td>Ground wire and screw (M3x0.5x3)</td>
<td>1</td>
<td>O O</td>
</tr>
<tr>
<td>14</td>
<td>Pull right</td>
<td>2</td>
<td>O O O O O</td>
</tr>
</tbody>
</table>

Attention for A control Slim M-NET connection

Pay attention to the following points for wiring of shielded wires.

**CAUTION**

The shielded wires of M-NET transmission should be connected to the ground wire at any only one place of the unit to be connected.

- It can cause the transmission error due to noise.
- Outdoor unit digital LED display works "EF" error.
- Centralized control remote controller reads "0403" error.

**Example (Multiple ground of shielded wire)**

<table>
<thead>
<tr>
<th>M-Net terminal wire</th>
<th>Power supply unit</th>
<th>Outdoor unit corresponds to M-Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
</tbody>
</table>

**Example (One spot of shielded wire)**

<table>
<thead>
<tr>
<th>M-Net terminal wire</th>
<th>Power supply unit</th>
<th>Outdoor unit corresponds to M-Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
</tbody>
</table>

**Example (One spot of shielded wire)**

In case that the outdoor unit is grounded, connect the ground wire supplied as accessory to the S terminal (secondary) of M-NET terminal block and M-NET Ground terminal inside of electric box with using screws supplied.
(3) Refrigerant address setting
In cases that the A control unit is set for group between different refrigerant (when multiple refrigerant system is set in one group), it is necessary to make refrigerant address setting besides the wiring for remote controller (RBS) between the indoor units.
In cases that the group setting is not done, be sure to leave the refrigerant address set for 00.
The refrigerant address is set by dip switch SW1 (3-8) on the outdoor controller of the outdoor unit.
(Factory settings are all OFF --- Refrigerant address 00)

(4) Limitation for address settings
In case of group operation, the M-NET address settings and the refrigerant address settings should be done with the procedure above.
However, make the minimum M-NET address settings in the group for the outdoor unit which has the refrigerant address 00.

It is not good with the above setting in the group B because the outdoor unit which has the refrigerant address 00 does not have the minimum M-NET address 00 in the group. Make the outdoor unit of the refrigerant address set to the minimum address in the group like the group A.

Note 1: Use ground wire and screw (B) as installed to connect the earth of the outdoor unit. Take great care that no lead wire is caught or damaged when installing external.

NOTICE
2. Installation procedure [PUH-PB.10YE]

- **OMNET board**
  - Mounting hole: 250mm (W) x 250mm (H)
  - Terminal block (OMNET)
  - Connection of OMNET board (OMNET) and Terminal block (Terminals A & B)
  - Connection of OMNET board (OMNET) and Control board (OMNET)
  - Connection of OMNET board (OMNET) and Control board (OMNET)

- **Address switches**
- **Control board**
  - Terminal block (OMNET)
  - Mounting hole: 250mm (W) x 250mm (H)

3. Wiring method for M-NET

(1) Attention
- Outside of the unit, the wires for transmission (called for transmit wiring) should keep away (5 cm or more) from power cable not to receive electric noise. (Never put the transmit wiring and power cable in the same cable pipe.)
- For the power supply voltage 230V-240V to the terminals (T1,T2) for transmission, if the voltage is supplied, it can break the electronic parts on the A-M CONVERTER board.
- Use the shielded cable (CVSL, CPVS) of 1.5mm square thickness with 2 wires for the transmission cable. Never use transmit wires of different system with a cable which contains multi wires.
- The communication of transmit signals will not work properly and it can cause wrong operation.

(2) M-NET address setting

- Make M-NET settings and refrigeration address setting on only outdoor unit.
- There will be no address settings for outdoor unit and remote controller like City Multi system.
- The M-NET address setting for taking into centralized control system should be done only to the outdoor unit. The address set number should be 1-50 same as for City Multi indoor unit and make it in order of number for the same group.

- **Example**
  - M-NET address No. 1 2 3 4 5 6 7 8 9 10
  - A control unit City Multi (M-NET)
  - Indoor unit
  - 1-50
  - Outdoor unit 51-100
  - Remote controller 101-150
  - System controller 201-250
  - Group remote controller 201-250

The setting should be done by rotary switches SW11 for one figure and SW12 for double figures on A-M CONVERTER of the indoor unit. (Factory settings are all zero.)