IMPORTANT

• Please read this installation manual completely before installing the product.
• Installation work must be performed in accordance with the national wiring standards by authorized personnel only.
• Please retain this installation manual for future reference after reading it thoroughly.
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Safety Precautions

To prevent injury to the user or other people and property damage, the following instructions must be followed.

Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications.

⚠️ WARNING  This symbol indicates the possibility of death or serious injury.

⚠️ CAUTION  This symbol indicates the possibility of injury or damage.

Meanings of symbols used in this manual are as shown below.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Instruction</th>
</tr>
</thead>
<tbody>
<tr>
<td>✖️</td>
<td>Be sure not to do.</td>
</tr>
<tr>
<td>🚨</td>
<td>Be sure to follow the instruction.</td>
</tr>
</tbody>
</table>

⚠️ WARNING

Installation

Don't touch with the hands while the power is on

- There is risk of fire or electric shock.

Use standard parts(connector).

- Do not disassemble or repair the product. There is risk of fire or electric shock.

For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

- Do not disassemble or repair the product. There is risk of fire or electric shock.
### Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.

### Do not install, remove, or re-install the unit by yourself (customer).

- There is risk of fire, electric shock, explosion, or injury.

### For installation, always contact the dealer or an Authorized Service Center.

- There is risk of fire, electric shock, explosion, or injury.

### Operation

#### When the product is soaked (flooded or submerged), contact an Authorized Service Center.

- There is risk of fire or electric shock.

#### Be cautious that water could not enter the product.

- There is risk of fire, electric shock, or product damage.
PHNFP14A0

PI485 GATEWAY(C)

1. CN_OUT: Indoor Unit Connector
2. BUS_B: RS-485 (-) Terminal
3. BUS_A: RS-485 (+) Terminal
4. LED01G,02G,03G: Communication Status LED
5. LED1: RS-485 Communication Status LED
6. Reset Switch: PI485(C) Reset
7. DIP Switch: Product Select (Refer Page 8)
**PSNFP14A0**

**PI485 GATEWAY(R)**

1. **CN_OUT**: Indoor Unit Connector
2. **BUS_A**: RS-485 (+) Terminal
3. **BUS_B**: RS-485 (-) Terminal
4. **LED01G,02G,03G**: Communication Status LED
5. **LED1**: RS-485 Communication Status LED
6. **Reset Switch**: PI485(C) Reset
7. **DIP Switch**: Product Select (Refer Page 9)
Installation Guide

Installation Steps (PHNFP14A0/PSNFP14A0)

1. Select DIP Switch Configuration (Refer page 8 or 9)

2. Connect The RS-485 BUS_A(+), BUS_B(-) with Other Network Products (ex, Simple Central Controller, CNU.....)

3. Connect CN_OUT with Outdoor Unit by the cable (provided)

4. Check the Communication Status LED
   - LED01G(Red): Ok operation - LED blinks for 5 times and is OFF.
     This process is repeated after every 3 minutes
     • NG operation: Check The Indoor unit address & Wiring Connections
   - LED02G(Yellow), LED03G(Orange): Ok operation - LED's blinks continuously
     • NG operation: Check The DIP Switch setting & Wiring Connections

5. Check the RS-485 Communication Status LED:
   - Ok operation
     (1) LED's blinks 2 Times in every 10~30 seconds (In case Connected CNU)
     (2) LED's blinks continuously (In case Connected Simple Central Controller)
   - NG operation: Check The Wiring Connections

6. Finally if all the above steps are OK then, Tie the cables by Tie Wraps & Clamp
DIP Switch Configuration

- PHNFP14A0

Using LGAP CAC/RAC/SRAC/PAC Products Configuration Methods

3 ON+ALL OFF: Using LGAP CAC/RAC/SRAC/PAC Products Configuration Methods

3, 4 ON+ALL OFF: LGAP CAC/RAC/SRAC/PAC Products + Central Controller (ALL type)-Using LGAP

CAUTION:
Wrong Products Configuration can lead to malfunctioning
Using LGAP CAC/RAC/SRAC/PAC Products Configuration Methods

- **ON KSDO 4H**
  
  3 ON+ALL OFF: LGAP CAC/RAC/SRAC/PAC Products + Central Controller (ALL type)-Without LGAP

  3, 4 ON+ALL OFF: LGAP CAC/RAC/SRAC/PAC Products + Central Controller (ALL type)-Using LGAP

**CAUTION:**
Wrong Products Configuration can lead to malfunctioning
Simple Central Controller - Connection Diagram

- PHNFP14A0

CAUTION:
After Product Installation Tie the cables with the clamps & Tie-Wraps provided.
**PSNFP14A0**

CAUTION:
After Product Installation Tie the cables with the clamps & Tie-Wraps provided.
Deluxe Central Controller - Connection Diagram

- PHNFP14A0

**CAUTION:**
After Product Installation Tie the cables with the clamps & Tie-Wraps provided.

- PSNFP14A0
Examples For Product Installation

(1) The Installation for 4Way Cassette Product
   → Check Screw boss for PCB in 4way Cassette Product Then fix It

(2) The Installation for DUCT Product
   → Using PCB Holder provided

(3) The Installation for Cassette Product Cover
   → Check Screw boss for PCB in 4way Cassette Product Then fix It

CAUTION:
It can be Different location of installation in order to Each Product structure
**Acceassory Parts**

- **PHNFP14A0**

  ![PHNFP14A0 Image]

<table>
<thead>
<tr>
<th>PCB :6871A20484B</th>
<th>Holder for DUCT :3110A 20056A</th>
<th>WIRE ASSY 1(for RAC/SRAC/CAC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw 4 EA</td>
<td>Installation Manual</td>
<td>WIRE ASSY(for Others)</td>
</tr>
</tbody>
</table>

- **PSNFP14A0**

  ![PSNFP14A0 Image]

<table>
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<tr>
<td>WIRE ASSY 1(for RAC/SRAC/CAC)</td>
<td>WIRE ASSY(for Others)</td>
<td></td>
</tr>
</tbody>
</table>

* **Others**: Tie Wrap (3 EA) - Cable Tie
  Clamp (1 EA)
After reading this manual, keep it in a place easily accessible to the user for future reference.