

IP Controller

Quick Guide

NHP-P100
NHP-P200

PRODUCT FEATURES

This product provides highly reliable hardware and a web-based open platform application that is easy to use and not restricted to specific locations.

The open platform application delivers optimal solutions by providing easy settings for remote monitoring and efficient entrance and exit management.

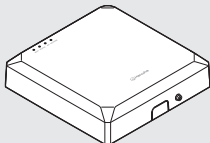
It is equipped with a stable, high-performance processor, high-capacity memory, relays, and input/output ports.

This device supports data transmission and power supply through Ethernet cables, ensuring easy installation and scalability.

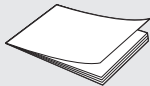
- Supports OSDP and Wiegand readers (auto-configuration)
- Can connect up to 4 readers (OSDP readers)
- Provides supervised inputs
- Supports both dry and wet contacts
- Communicates with the host via Ethernet
- IP-based access control and alarm input/output management
- Supports Power over Ethernet (PoE) for simplified installation
- Compatible with ONVIF Profile A and ONVIF Profile C
- UL294 and UL2043 certification

PACKAGE CONTENTS

- 
- The appearance of the components may differ from the image shown.
 - Accessory category and quantity may differ depending on sales region.



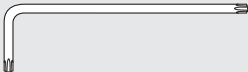
IP Controller



Quick Guide



Wiring Guide

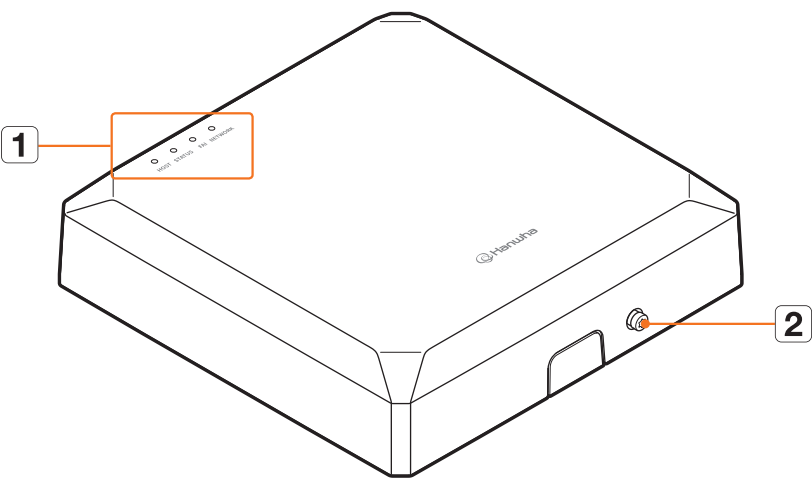


Hex wrench



Wire for FAI connection

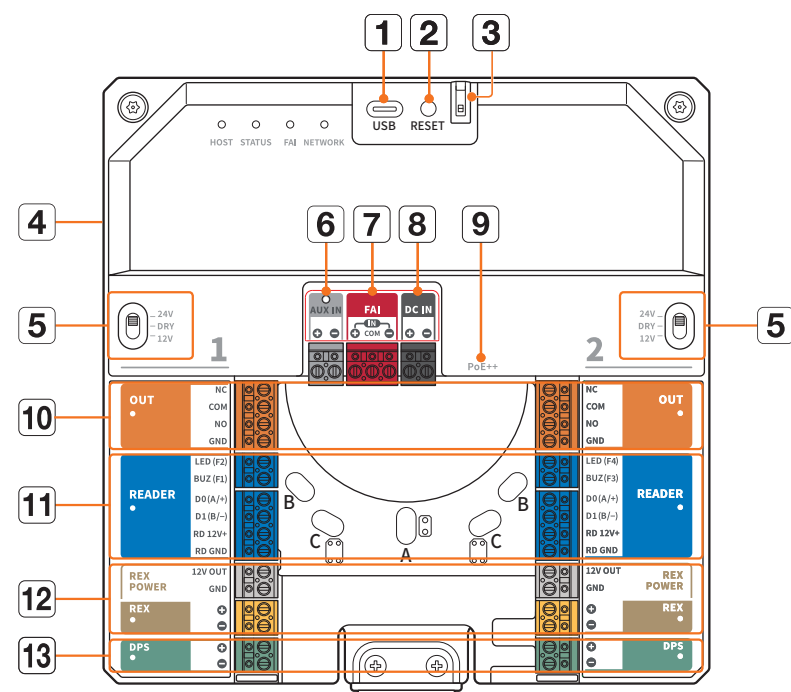
EXTERNAL PART NAMES AND FUNCTIONS



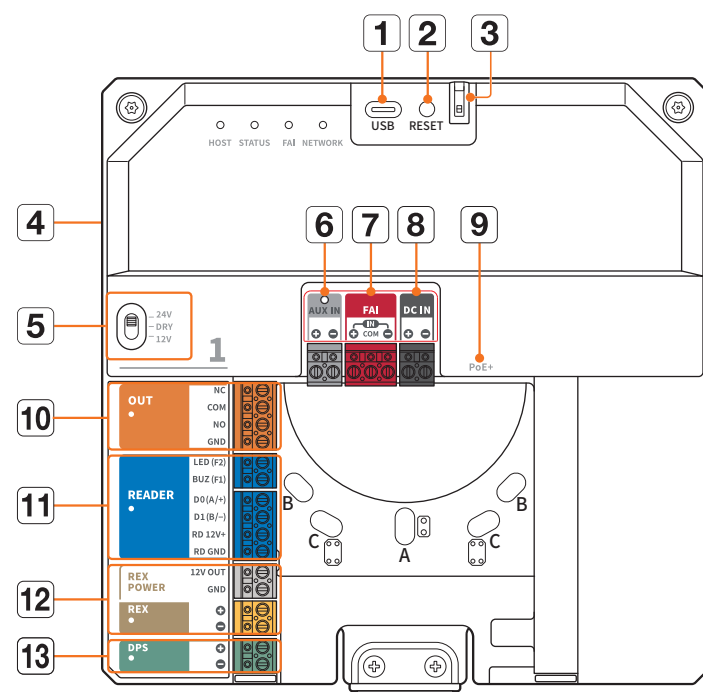
Name		Functions
1	LED Indicator	HOST: Displays the connection status of the server.
		STATUS: Displays the normal operation status of the device.
		FAI (Fire Alarm Input): Lights up when a fire alarm input is detected.
		NETWORK: Blinks when connected to Ethernet.
2	Screw	Loosen the screw to open the cover.

INTERNAL PART NAMES AND FUNCTIONS

NHP-P200



NHP-P100



Name		Functions
1	USB	Terminal for connecting USB devices. (USB 2.0 supported)
2	RESET	Resets the device to its factory default settings.
3	Case cover tamper	Detects whether the IP Controller's cover has been removed.
4	Controller removal tamper	Detects whether the IP Controller has been removed from the mount plate. (Located on the rear of the device)
5	24V DRY 12V	Switch for selecting between dry and wet contacts. 24V / 12V: Select the appropriate voltage when using wet contacts. - DRY: Select when using dry contacts.
6	AUX IN	Terminal for connecting alarm inputs.
7	FAI	Terminal for connecting to the fire alarm panel.
8	DC IN	Terminal for connecting power.
9	PoE++ PoE+	Terminal for connecting network; supports PoE. - NHP-P200: Supports PoE++ - NHP-P100: Supports PoE+
10	OUT	Terminal for relay output.
11	READER	Terminal for connecting the reader. - LED (F2) / LED (F4): Connects to the LED terminal of the reader. - BUZ (F1) / BUZ (F3): Connects to the buzzer terminal of the reader. - D0 (A/+): Connects to the D0 (A/+) terminal of the reader. - D1 (B/-): Connects to the D1 (B/-) terminal of the reader. - RD 12V+ / RD GND: Terminal for providing power to the reader. Connects to the power input terminal of the reader.
12	REX POWER REX	Terminal for connecting Request-to-exit (REX) buttons and passive infrared (PIR) sensors. 12V OUT: Terminal for providing power to the PIR sensor. - GND: Terminal for connecting the ground wire. +/-: Terminal for connecting Request-to-exit buttons.
13	DPS	Terminal for connecting the door opening sensor.

INSTALLATION AND CONNECTION

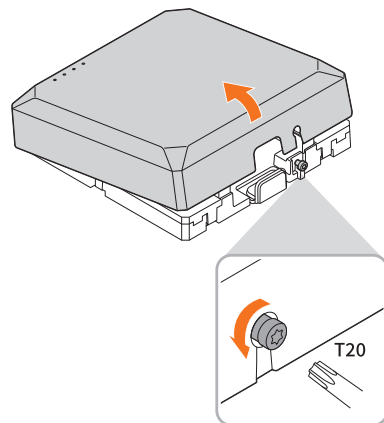
Check the following matters before installing the product.

- Use this product in compliance with local laws and regulations.
- If you want to use the product outdoors or in an outdoor-like environment, contact the service center.
- Do not attempt to repair the product yourself; contact the service center first.
- Do not apply shock, strong pressure, vibration to the product.
- Do not install the product on a surface with vibration and unstability or walls.
- To prevent injury, this product must be securely attached to the Wall/ceiling in accordance with the installation instructions.

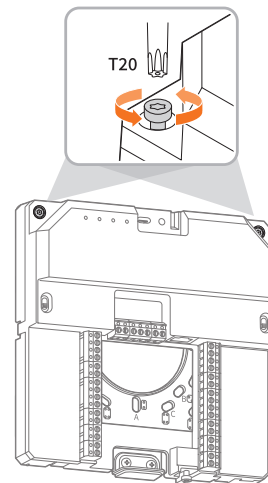


■ The following figures are based on Model NHP-P200.

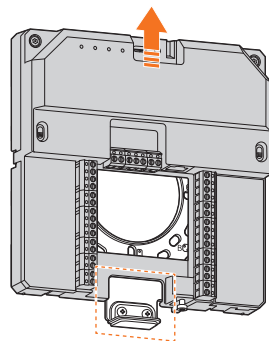
1 Disconnecting top case



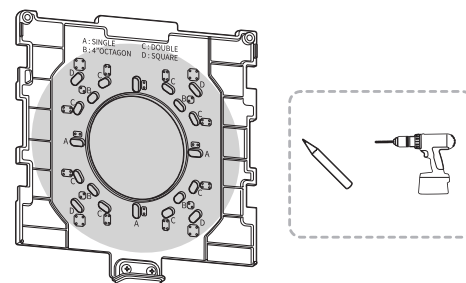
2 Disconnecting controller and mount plate (1)



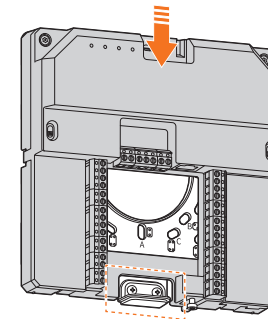
3 Disconnecting controller and mount plate (2)



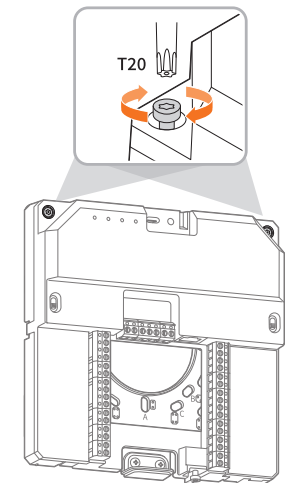
4 Fixing the mount plate onto the installation surface



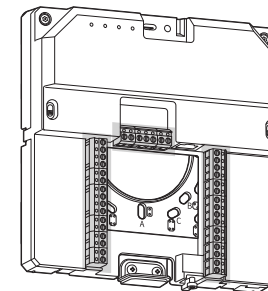
5 Fastening controller and mount plate (1)



6 Fastening controller and mount plate (2)

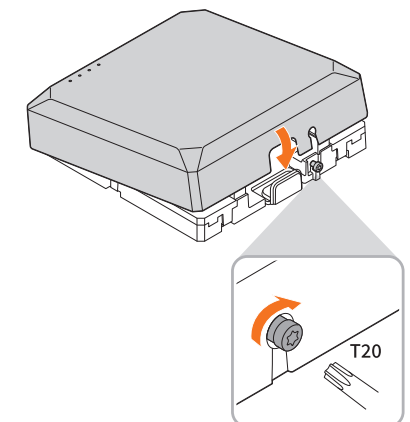


7 Connecting cable



■ For more information about connection, see the Wiring Guide.

8 Fastening top case

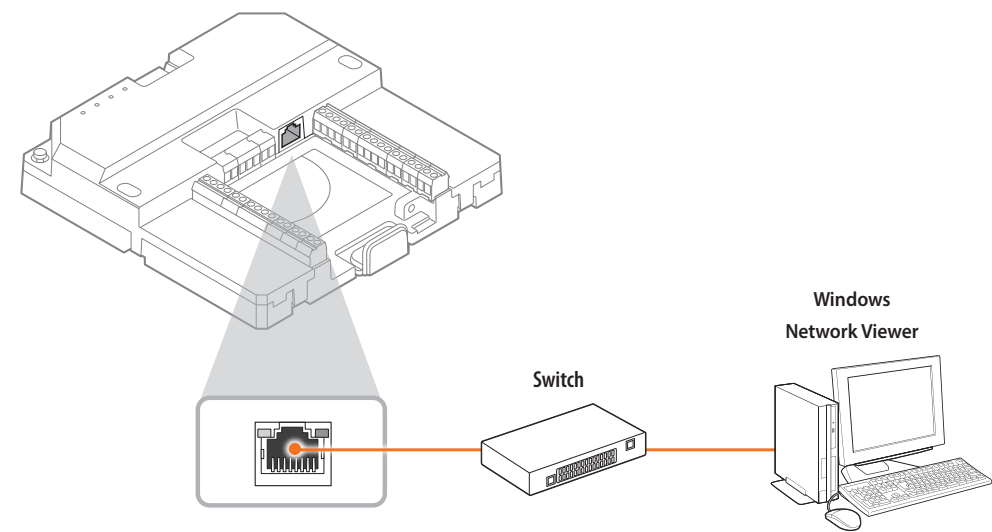


CONNECTING TO A NETWORK

■ For more information about network connection, see "Network Configuration" in the User Manual.

Connecting to a Network via Ethernet (10/100/1000BaseT)

■ The following figures are based on Model NHP-P200.

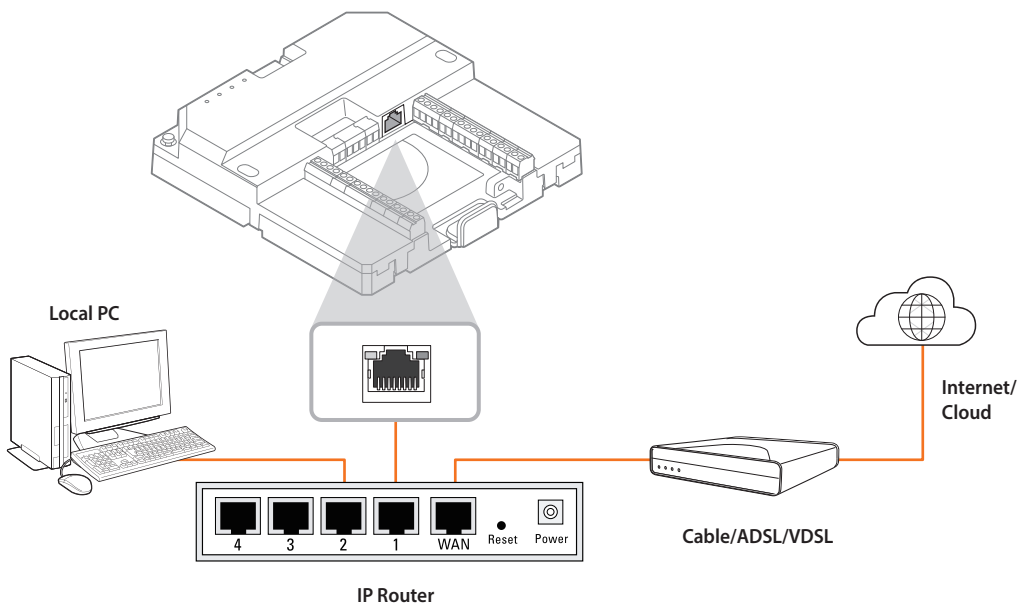


Connecting to a Network Using a Router

If you want to use a PC and IP Controller in an environment using an xDSL/cable modem, you can use a router with only one Internet line.

This guide is an installation guide for network beginners. Set up the router, local PC, and IP Controller according to the instructions.

■ The following figures are based on Model NHP-P200.



Connecting the Router to a PC

■ Refer to the router's user manual.

Connecting the IP Controller to the Router

In the IP Controller's "Basic > IP & Port" menu, configure the <IP address> and <Gateway>.

- ※ The <Default gateway> checked in the [cmd.exe] window of the local PC and the <Gateway> of the IP Controller must be the same.
- ※ The first three numbers of the IP Controller's <IP address> should match the first three of the <Default gateway> checked in the [cmd.exe] window of the local PC.

```
C:\Users\WUsers>ipconfig
Windows IP Configuration

Ethernet adapter Ethernet 2:

    Connection-specific DNS Suffix . : .kor.net
    Link-local IPv6 Address . . . . . : fe80::900c:6038:771b:8425%18
    IPv4 Address. . . . . : 192.168.219.192
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.219.254

C:\Users\WUsers>
```

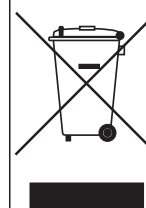
<cmd screen>

IP type	Manual
MAC address	00:09:18:E2:75:0C
IP address	192.168.219.123
Subnet mask	255.255.255.0
Gateway	192.168.219.254

<IP Controller screen>



Hanwha Vision cares for the environment at all product manufacturing stages, and is taking measures to provide customers with more environmentally friendly products.
The Eco mark represents Hanwha Vision's devotion to creating environmentally friendly products, and indicates that the product satisfies the EU RoHS Directive.



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.



Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

