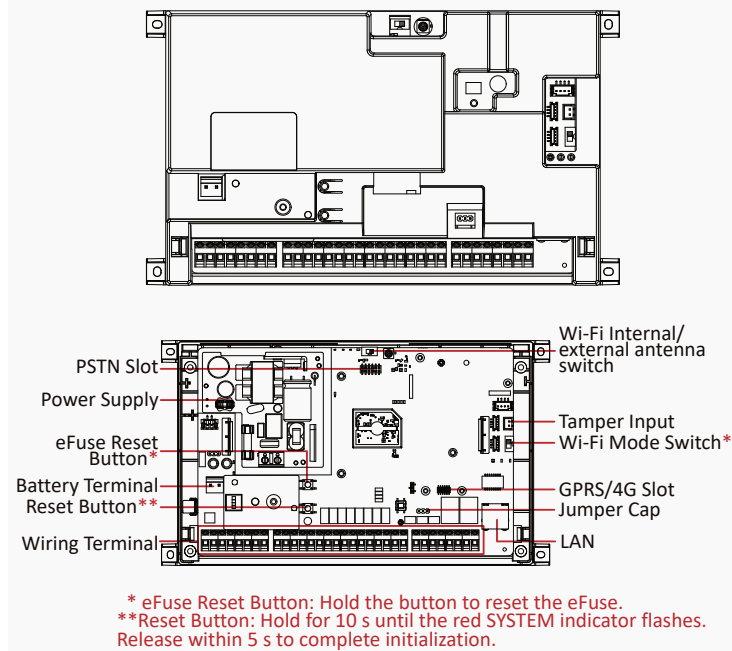


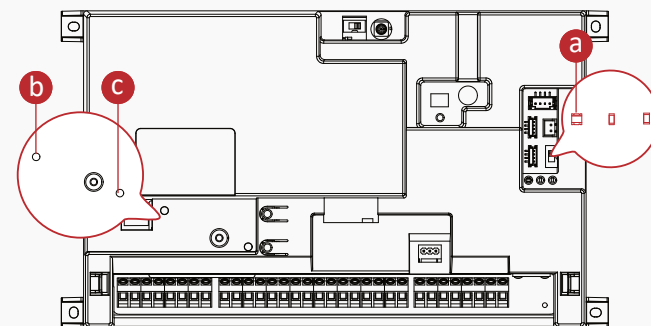
AX HYBRID PRO Control Panel Unit Quick Start Guide

EN 50131-1:2006+A1:2009+A2:2017+A3:2020
EN 50131-3:2009
EN 50131-6:2017
EN 50131-10:2014
EN 50136-1:2012+A1:2018
EN 50136-2:2013
Security Grade 2
Environment Class II
SP4
DP2

1 Appearance



Indicators

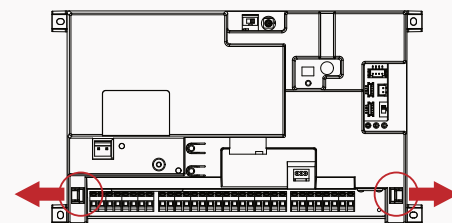


a	System	During system startup: Solid red Startup completed: Flash green Startup and connected to the cloud: Solid green Reset: Flash red
b	Battery Reverse	When the battery reverses its polarity connection, the indicator will be on.
c	Power	When the device is powered on, the indicator will be on.

2 Installation and Wiring

Note: Power down the control panel before wiring accessories and peripherals.

Step 1 Unlock the buckles and remove the front cover.

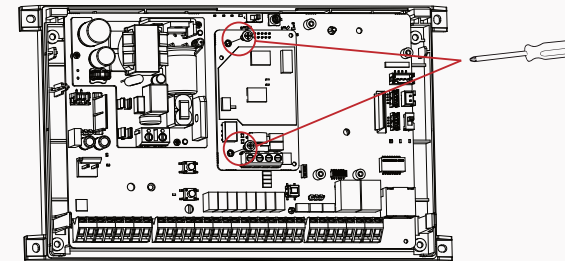


User Manual



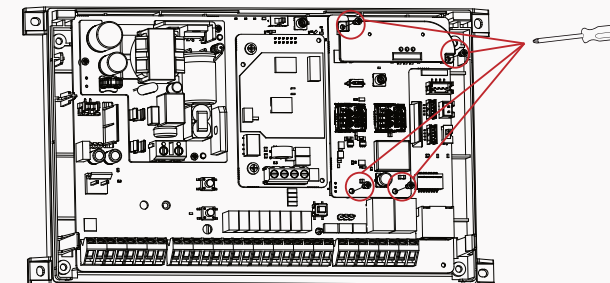
UD42865B-C

Step 2 Fix the PSTN communicator (sold separately) and wiring.
Note: Please always power off before installing or removing the communicator.

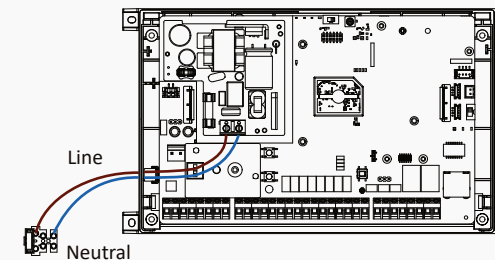


Step 3 Fix the GPRS/4G communicator (sold separately).

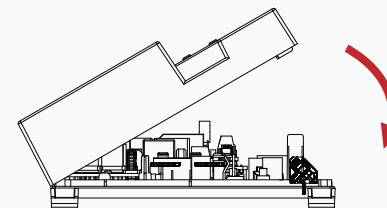
Notes:
• Please verify whether the communicator is GPRS or 4G before installation, as their appearances differ.
• Please always power off before installing or removing the communicator.



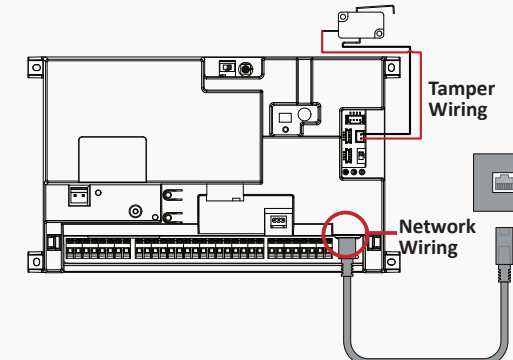
Step 4 Wire the power supply terminals.



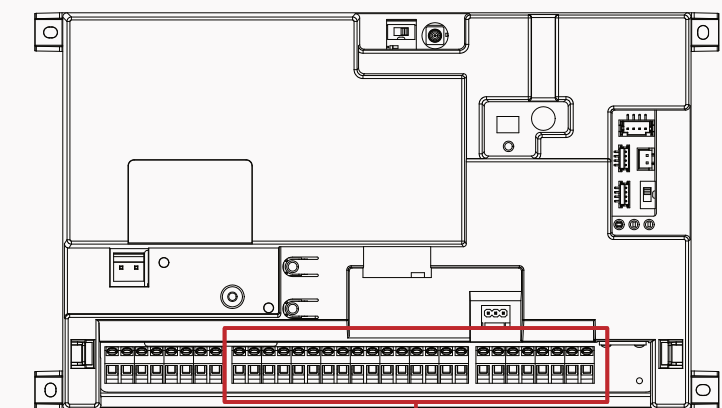
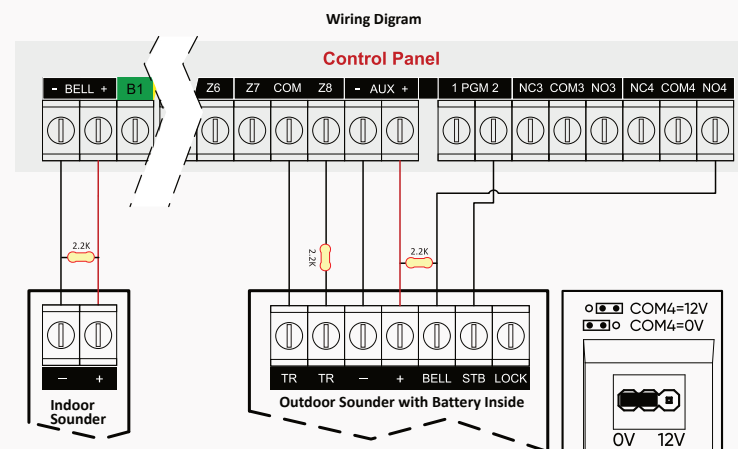
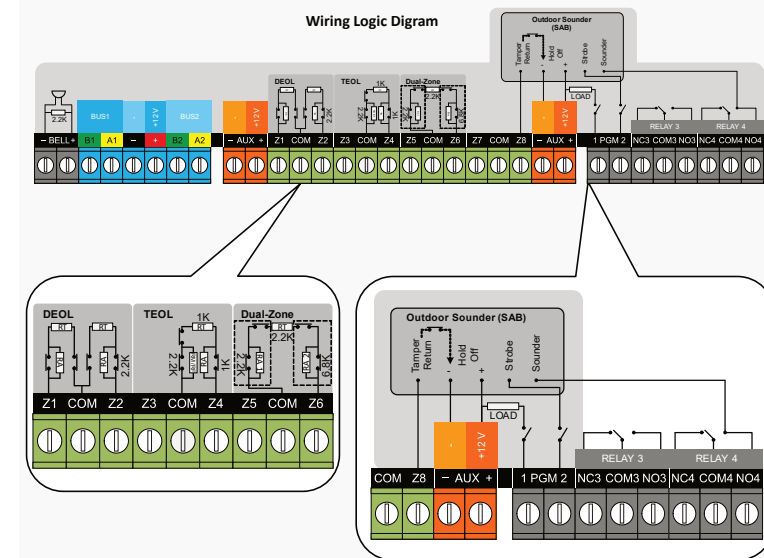
Step 4 Close the front cover of the control panel.



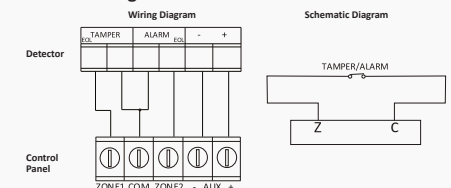
Step 5 Wire the network cable and the tamper switch.



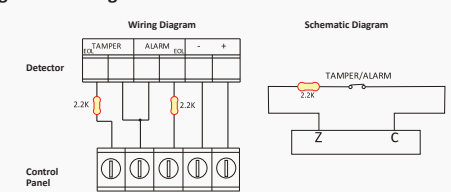
Step 6 Wire peripherals.



1 Non Resistor Wiring



2 Single EOL Wiring



3 Double EOL Wiring

Wiring Diagram

Schematic Diagram

4 Triple EOL Wiring

Wiring Diagram

Schematic Diagram

5 Double Zone Wiring

Wiring Diagram

Schematic Diagram

6 Lamp Wiring

Wiring Diagram

Schematic Diagram

7 Buzzer Wiring

Wiring Diagram

Schematic Diagram

8 Relay Wiring

Wiring Diagram

Schematic Diagram

3) Connect your phone to your home Wi-Fi.

4) Open the App, tap **Scan**. Scan the QR code or bar code of the control panel and wait for the result.

Note: The QR code is printed on the label stuck on the front cover of the AX HYBRID PRO.

Or you can tap **Manual Adding** and enter the serial No.

Or you can tap **Album** and select the picture to scan.

Scan the QR Code/Bar Code

Album

Manual Adding

5) If the device is online and supports physical button connection, tap **Add** to go to the connection page. Waiting for the device to appear, tap **Add**.

Note: AX PRO is to tap the Tamper Button, AX HYBRID PRO is to tap the Reset Button.

If the device is offline, It will go to the device connection page. When the device's AP mode is enabled, It will automatically connect to the device's AP. The device will display in the network configuration list on Wi-Fi Connection page (only supports connecting 2.4G network) after connection succeeded. Tap the device's Wi-Fi and fill in the password.

Note: If the verification code is required, enter the code.

After confirming the Wi-Fi password, configure the network of the device.

6) Wait for the device to join the home Wi-Fi and log in the Cloud.

4 Peripheral Adding

Step 1

Step 2

Step 3

Bus Device

Wired Device

Wireless Device

Method 1 Scan QR Code

Method 2 Batch Add

Network Camera / IP Device

Select **SADP Scanning** or **Manually Add** to add peripherals.

5 Arming and Disarming

On the App, select AX HYBRID PRO on the device list page. Tap **Area**.

Away Arming

Stay Arming

Disarming

6 Specification

Model	64 series	96 series	128 series
Inputs (Zones)			
Max. Zones	64	96	128
On-board Zones	8	8	8
PIR-CAMs	24	36	48
Outputs			
Max. Outputs	64	96	128
On-board PGM Outputs	2	2	2
On-board Relay Outputs	2	2	2
On-board Sounder Output	1	1	1
Auxiliary Power Output	1	1	1
Areas			
Areas	32	48	64
Peripherals			
Sounders	8	12	16
Keypads	16	24	32
8-zone expanders	8	12	16
4-relay expanders	16	24	32
Wireless receivers	8	12	16
Power Supply Units	15	15	15
IPC Video Verification			
IPC channels	32	32	32
IPC video verification	4 × 7 sec	4 × 7 sec	16 × 7 sec
Pre-record	2 or 5 seconds	2 or 5 seconds	2 or 5 seconds
Programming			
Automation scenarios	256	256	256
Event Logs			
Event log records	4950 including 1000 mandatory ^a in flash memory		
User - Administrator			
Admin	1	1	1
Administrator (Cloud)	1	1	1
User - Installer			
Installer	1	1	1
Installer (cloud)	1	1	1
User - Operators			
Max. Operators	100	128	128
User (Cloud)	64	64	64
User - Authorization Devices			
Keyfobs	64	64	64
Tags	100	200	252
Bus Interconnection			
Bus ports	2		
Bus Technology	Half-Duplex RS-485		
Bus wiring	4-core alarm cable (at least 2 × 0.5 mm ² + 2 × 0.22 mm ²)		
Bus typologies	Daisy Chain, Cascade, Star ^b , Ring		
Range per Bus	Up to 500m (Up to 7500m with bus-extenders, Up to 1km in compatible mode) ^c		
Bus-extenders per Bus	Up to 15 pcs, 500 m in between		
Devices per Bus	Up to 32	Up to 48 (32 in compatible mode)	Up to 64 (32 in compatible mode)
Communication Interfaces			
LAN/Ethernet	1 on-board, 10/100 Mbps self-adaptive		
Wi-Fi	802.11b/g/n (2.4 GHz)		
GPRS	Compatible with DS-PC501G (Optional)		
4G/LTE	Compatible with DS-PC501S (Optional)		
PSTN	Compatible with DS-PM2-P (Optional)		

ARC Connectivity

ARC

Signaling Protocols

Acknowledgment operation

Alarm Transmission Categories

3rd Party Communicator

Power Supply - General

PS type^e

Quiescent current^f

Power Supply - Primary Power Supply (Mains)

Mains input

Power supply

Power Supply - Auxiliary Power Supply (Battery)

Battery pack

Battery capacity^g

Recommended

Battery stand-by

Floating voltage

Recharge period

Low energy voltage

Cut-off voltage

Power Supply - Auxiliary Power Output (AUX)

Output capacity

Output protection

Power Supply - Bus Power Output (shared AUX power output)

Output voltage

Output protection

Power Supply - Sounder Power Output (BELL)

Output capacity

Output protection

PGM Outputs

Output voltage

Max. Current

Relay Output

Relay output

Environmental

Operating temperature

Storage temperature

Relative humidity

Physical

Dimension (W × H × D)

Weight

Compliance

Electrical conformity

EN 50131

Note:

•EN50131 compliance labeling should be removed if non-compliant configurations are used.

•Keyswitch and smoke detector functions are outside the scope of EN 50131 compliance.

a

b

c

d

e

f

g

h

i

This device is suitable for use in chassis cabinet only.

Cet appareil ne peut être utilisé que dans une armoire à châssis.

Dieses Gerät ist nur für den Einsatz im Schaltschrank geeignet.

Este dispositivo es adecuado para uso únicamente en gabinetes de chasis.

Questo dispositivo è adatto solo per l'uso in un cabinet di chassis.

Este dispositivo é adequado para ser utilizado apenas em armários de chassis.

Dit apparaat is alleen geschikt voor gebruik in een chassisbehuizing.

Toto zařízení je vhodné pouze pro použití ve skříni podvozku.

Denne enhed er kun egnet til brug i chassiset.

Ez az eszköz kizárólag rack szerkezeten történő használatra alkalmas.

To urządzenie nadaje się wyłącznie do użytku w szafie szafkowej.

Acest dispozitiv este potrivit pentru utilizare numai în dulapul șasiului.

Toto zariadenie je vhodné len na použitie v skrinke šasi.

Perangkat ini hanya cocok untuk digunakan pada kabinet sasis.

මෙම උපකරණය භාවිතයට ලක්වන්නේ ශාසන කබිනටයක පමණි.

Bu cihaz yalnızca şasi kabininde kullanıma uygundur.

Это устройство подходит только для использования в шасси-шкафе.

Цей пристрій придатний для використання лише в шафі-шасі.

هذا الجهاز مناسب للاستخدام في خزانة الهيكل فقط.