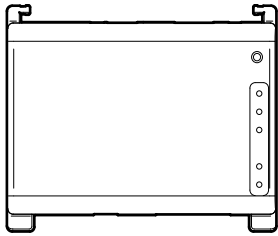




INSTALLATION MANUAL

intelligent Tab Controller



DCC601A51

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1. About this document

1.1. Target audience

Authorised installers

1.2. Documentation set

This document is part of a documentation set. The complete set consists of:

- **Installation manual:**
 - Installation instructions
 - Format: Paper (supplied in the kit)
- **Installer reference guide:**
 - Preparation of the installation, technical specifications, reference data,...

Latest revisions of the supplied documentation may be available on the regional Daikin website or via your dealer.

The original documentation is written in English. All other languages are translations.

2. General safety precautions

Please read these general safety precautions carefully before installing the intelligent Tab Controller kit.

After completing the installation, make sure the power supply and intelligent Tab Controller modules operate properly during the startup operation.

2.1. General

If you are not sure how to install or operate the modules, contact your dealer.



NOTICE

Improper installation or attachment of equipment or accessories could result in electric shock, short-circuit, leaks, fire or other damage to the equipment. Only use accessories, optional equipment and spare parts made or approved by Daikin.



WARNING

Make sure installation, testing and applied materials comply with the applicable legislation (on top of the instructions described in the Daikin documentation).



CAUTION

Wear adequate personal protective equipment (protective gloves, safety glasses,...) when installing, maintaining or servicing the system.



WARNING

Tear apart and throw away plastic packaging bags so that nobody, especially children, can play with them. Possible risk: suffocation.

2.2. Installation site

Do NOT install the equipment in a potentially explosive atmosphere.

2.3. Electrical



DANGER: RISK OF ELECTROCUTION

- Turn OFF all power supply before connecting electrical wiring or touching electrical parts.
- Disconnect the power supply for more than 1 minute, and measure the voltage at the terminals of main circuit capacitors or electrical components before servicing. The voltage must be less than 50 V DC before you can touch electrical components. For the location of the terminals, see the wiring diagram.
- Do NOT touch electrical components with wet hands.
- Do NOT leave the equipment unattended when the service cover is removed.



WARNING

A main switch or other means for disconnection, having a contact separation in all poles providing full disconnection under overvoltage category III condition, shall be installed in the fixed wiring.



WARNING

- Only use copper wires.
- Make sure the field wiring complies with the applicable legislation.
- All field wiring must be performed in accordance with the wiring diagram supplied with the product.
- Make sure to install earth wiring. Do NOT earth the unit to a utility pipe, surge absorber, or telephone earth. Incomplete earth may cause electrical shock.
- Make sure to use a dedicated power circuit. NEVER use a power supply shared by another appliance.
- Make sure to install the required fuses or circuit breakers.
- Make sure to install an earth leakage protector. Failure to do so may cause electric shock or fire.

Install the wires at least 1 meter away from televisions or radios to prevent interference. Depending on the radio waves, a distance of 1 meter may not be sufficient.



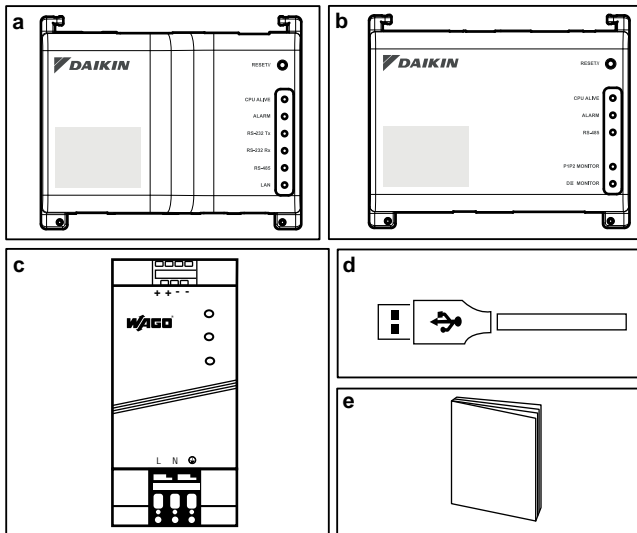
WARNING

- After finishing the electrical work, confirm that each electrical component and terminal inside the electrical cabinet is securely connected.
- Make sure all covers are closed before starting up the units.

3. Contents of the kit and optional equipment

3.1. Contents of the kit

Based on the following accessory list, check that all parts and accessories for the intelligent Tab Controller are included in the kit. If there is any missing or defective part, contact the Daikin dealer where you purchased this product.



- a CPU module (1x)
- b I/O module (1x)
- c WAGO power supply unit (1x)
- d USB cable (1x)
- e Installation manual (this manual) (1x)

3.2. Optional equipment

The following optional equipment is available:

Equipment	Type	Material nr.
Daikin-supplied router	ASUS 4G-N12	4G-N12
Daikin-supplied tablet	ASUS ZenPad Z380C	Z380C

For more information on this optional equipment, refer to "4.4. Additional components in the intelligent Tab Controller solution" on page 3.

4. System overview

4.1. The Daikin intelligent Tab Controller solution

The Daikin intelligent Tab Controller solution allows an end-user to control and manage a wide range of Daikin HVAC equipment from a tablet app and web browser interface.

The intelligent Tab Controller solution is available in one of the two following function modes (i.e., operation modes):

- **Stand-alone mode:** A local function mode where you can control your local environment from anywhere within your local area network. This is done via the intelligent Tab Controller app on the Daikin-supplied tablet.
- **Cloud-connect mode:** A cloud-based function mode where you can control multiple environments from anywhere in the world. Note that the cloud can also be accessed using a browser running on the Daikin-supplied tablet. In cloud-based function mode, local control via the intelligent Tab Controller app is still possible, but the provided feature set will be restricted.

4.2. The intelligent Tab Controller kit

In order to set up the intelligent Tab Controller solution in your environment, you have been given the Daikin intelligent Tab Controller kit. This kit provides a central controller and links the supported Daikin equipment to a local Ethernet network and the cloud. The kit consists of the following components:

- a WAGO power supply unit (PSU)
- the CPU module
- the I/O module

For a typical setup of the intelligent Tab Controller kit, refer to "Schematic setup of the intelligent Tab Controller" on page 3. Before installing the intelligent Tab Controller kit modules, draw up an efficient plan of work, using this schematic and the actual environment it needs to be installed in.

4.3. Compatible (Daikin) equipment

Currently, the intelligent Tab Controller solution can connect to Daikin units that provide a DIII-NET communication interface. The connection of Daikin equipment that uses other communication interfaces might be supported in future upgrades. For an up-to-date list of which equipment can be controlled using the intelligent Tab



NOTICE

The intelligent Tab Controller cannot be used in combination with other centralised controllers, like the iTM.

In addition, a number of terminals are available on the I/O module to connect digital inputs. The digital input on the first terminal is hardwired as a forced stop contact input. The remaining digital inputs can each be configured as either a normal-open or normal-closed contact input, or as a pulse input.



NOTICE

When the forced stop contact input is closed, a stop signal is sent to all connected devices. There is no hard guarantee that all devices are actually stopped and remain stopped during the time the forced stop contact input is active.

4.4. Additional components in the intelligent Tab Controller solution

The following optional equipment is available as part of the intelligent Tab Controller solution. Its requirements depend on your local environment and needs. Contact your dealer for more information.

Daikin-supplied router (ASUS 4G-N12)

An optional Daikin-supplied router can be used to create a WiFi-capable LAN. This might be necessary if the intelligent Tab Controller modules cannot be connected to the locally-available LAN, or if the locally-available LAN does not provide WiFi for access by the Daikin-supplied tablet.

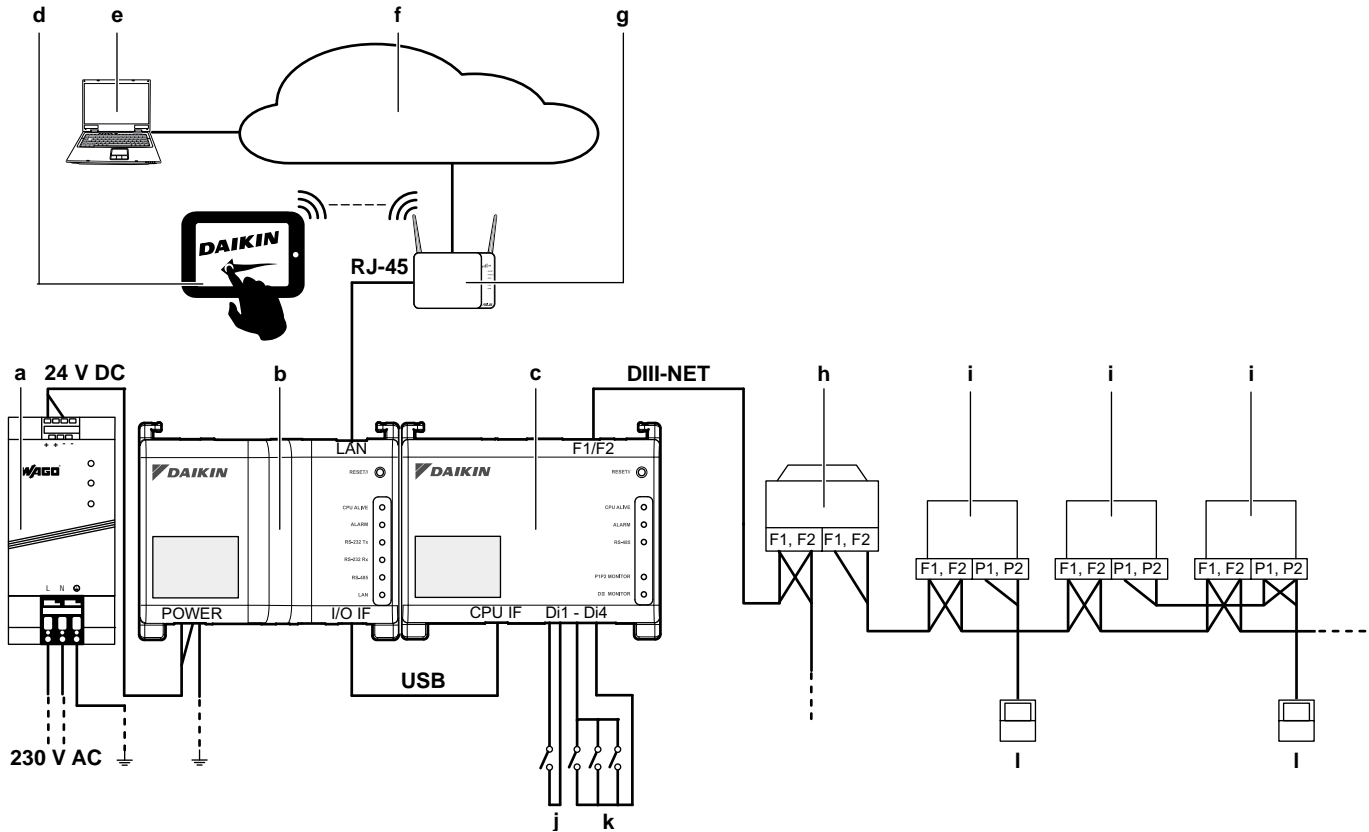
In addition, the router has mobile 4G capabilities, which can be used to provide connection to the cloud in case an internet connection is not available using a locally-available LAN. Note that for a mobile internet connection, a SIM card is required, which is not supplied with the router.

Daikin-supplied tablet (ASUS ZenPad 8.0 Z380C)

A Daikin-supplied tablet has to be used for running the intelligent Tab Controller app if you choose the local function mode.

The intelligent Tab Controller app can be installed from Google Play.

Schematic setup of the intelligent Tab Controller



- a WAGO power supply unit
- b CPU module
- c I/O module
- d Optional Daikin-supplied tablet
- e Computer with connection to the cloud
- f Cloud
- g LAN gateway (optional Daikin-supplied router)
- h Outdoor unit connected to DIII-NET
- i Indoor unit connected to DIII-NET
- j Forced stop contact input
- k Digital inputs (can be configured as contact inputs or pulse inputs)
- l Remocon

5. Before installation

Before you start installing the intelligent Tab Controller, complete the following preparations:

- Check that the intelligent Tab Controller kit comes with all accessories. Refer to "3.1. Contents of the kit" on page 2.
- Check that you have all equipment necessary to install the intelligent Tab Controller kit modules. Refer to "5.1. Necessary equipment" on page 4.
- Check that an appropriate space for installing the intelligent Tab Controller modules is available. Refer to "5.2. Determining installation place" on page 4.
- Familiarise yourself with the location of the terminals and switches of the intelligent Tab Controller modules. Refer to "5.3. The location of terminals and switches" on page 4.

5.1. Necessary equipment

Use the following equipment to install the intelligent Tab Controller kit modules:

- A flat-blade screwdriver
- A Philips screwdriver
- The necessary amount of electrical wires and appropriate wiring tools. For more info on what wires to use, refer to "8.5. Wiring requirements" on page 9.

5.2. Determining installation place

Make sure to install the intelligent Tab Controller components in a place that meets the conditions described in the following sections.

5.2.1. Installation place and mounting direction

Make sure that the installation place complies with the following requirements:

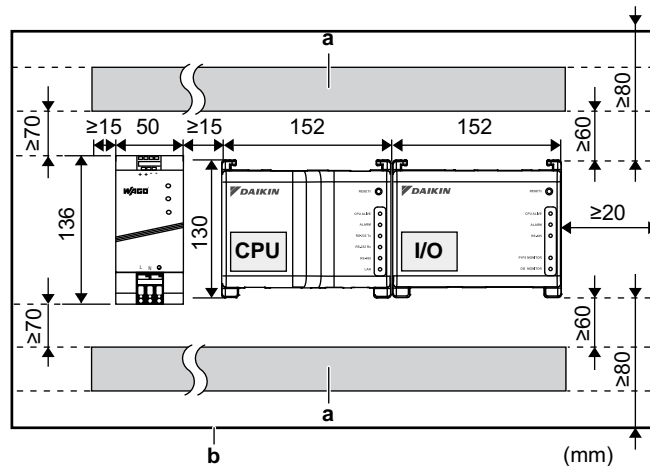
- Location: Indoor, inside an electrical cabinet.
- The electrical cabinet:
 - must be lockable or designed to be opened only with a special tool. The key or tool should be available only to service personnel.
 - must be installed in a space with no access for the general public.
 - must conform with local legislation.
 - must have ingress protection class of IP4X or higher.
 - must have impact protection class of IK07 or higher (see international standard IEC 62262 - 2002).
 - must have a minimum height of 290 mm and minimum width of 410 mm to allow for the clearance specified in "5.2.2. Required space" on page 4.
- Mounting direction: vertical only
- Make sure the installation place is conform with the environmental conditions, specified in "8.1. Environmental conditions" on page 8.

5.2.2. Required space

The following figure indicates the minimum space required for installation.

- Make sure there is a minimum clearance of 60 mm between both the CPU module, the I/O module and the wiring ducts and a minimum clearance of 80 mm between the modules and the electrical cabinet in the vertical direction.
- Make sure that there is a minimum vertical clearance of 70 mm between the WAGO PSU and the wiring ducts.
- The CPU module and I/O module can be installed without clearance in the horizontal direction, but make sure there is a minimum clearance of 20 mm between the modules and the electrical cabinet.

- The WAGO PSU requires a minimum clearance of 15 mm on both sides in the horizontal direction.



a Wire duct
b Electrical cabinet

Observe the depth of these modules and make sure you provide the necessary amount of space in depth in the electrical cabinet.

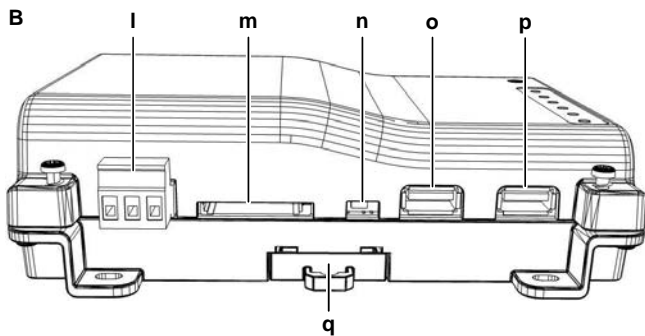
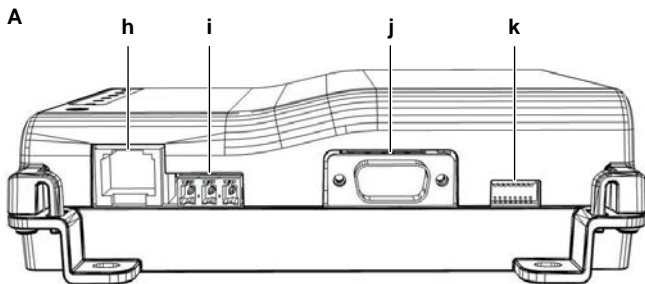
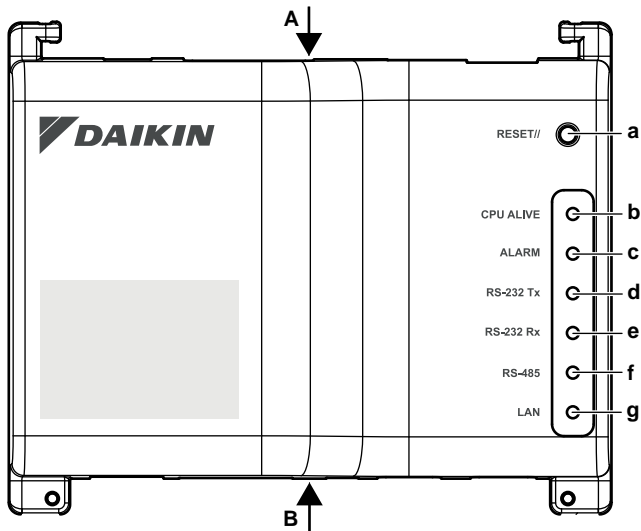
Module	Depth
CPU module	45 mm
I/O module	39 mm
WAGO PSU	92 mm

5.3. The location of terminals and switches

Understand the arrangement of terminals and the location of openings on the module and plan how to route the cable and in which order to connect its wires to facilitate the installation procedure.

For connection details, refer to "7. Electric wiring" on page 6.

5.3.1. CPU module



Connectors and sockets

- h **[LAN]** RJ-45 socket for connecting the intelligent Tab Controller to an Ethernet network.
- i **[RS-485]** Reserved for future use.
- j **[RS-232]** Reserved for future use.
- l **[Power]** Power connector. A power supply voltage of 24 V DC is required and will be provided when connected to the WAGO PSU.
- m **[SD CARD]** Reserved for servicing.
- o **[USB]** USB 2.0 type-A socket, reserved for servicing. This socket **cannot** be used to connect the CPU module and the I/O module.
- p **[I/O IF]** USB 2.0 type-A socket. Use only **this** USB socket to connect the CPU module with the I/O module.

Controls and switches

- a **[RESET]** Button for restarting the CPU module and I/O module.
- k **[DIP SW]** Reserved for servicing. Factory default: all switches are set to "off".
- n **[BACKUP]** Switch for turning on/off the backup power supply for retaining the current settings (provided by the internal battery). Factory default: "OFF". This will be set to the "ON" position during commissioning.
- q **[Lever]** To assist mounting / dismantling the module onto / from a DIN rail.

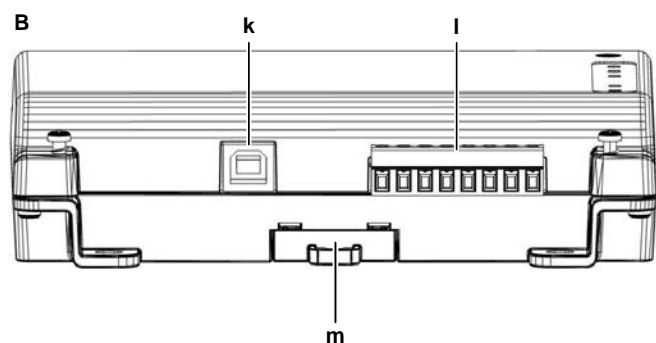
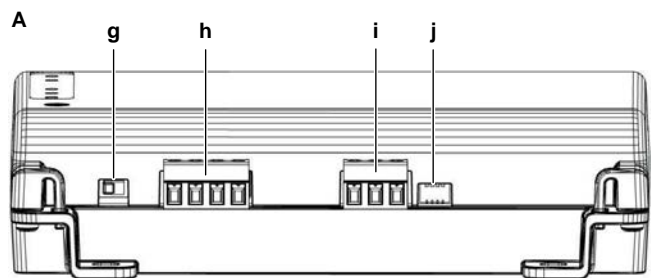
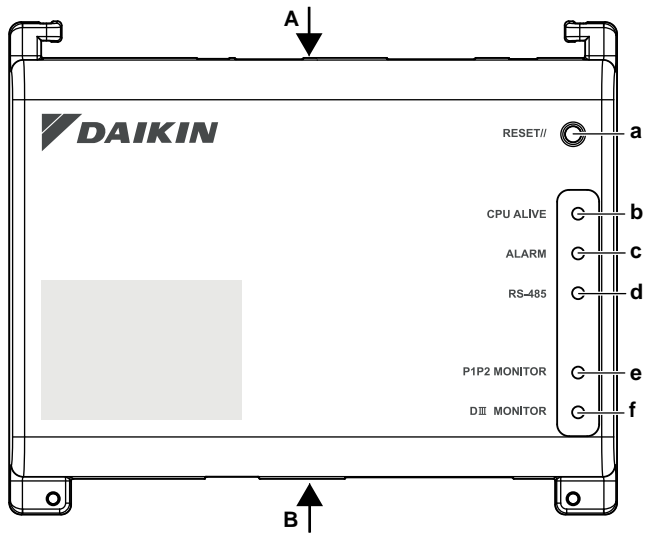
LEDs

- b **[CPU ALIVE]** (Green) This LED blinks when the CPU operates normally. For details on LED operations, refer to the "[LED status and operation table \(CPU module\)](#)" on page 5.
- c **[ALARM]** (Red) This LED is lit if a failure is detected. For details on LED operations, refer to the "[LED status and operation table \(CPU module\)](#)" on page 5.
- d **[RS-232 Tx]** (Green) This LED blinks when data is being sent from the serial port.
- e **[RS-232 Rx]** (Orange) This LED blinks when data is received by the serial port.
- f **[RS-485]** (Orange) This LED blinks when data is being sent or received over the RS-485 port.
- g **[LAN]** (Green) This LED is on when linked correctly. The LED will blink when data is being sent/received.

LED status and operation table (CPU module)

Operating condition	CPU ALIVE	ALARM
Normal	Blink	Off
Power interruption / hardware failure	Off	Off
Application software not installed	Blink	On

5.3.2. I/O module



Connectors

- h [DIII (F1/F2) and P1P2 (P1/P2)]**
2x2 communication lines, connecting the intelligent Tab Controller with DIII-compatible units and P1P2-compatible units respectively.
The P1P2 connection is reserved for future use.
- i [RS-485]** Reserved for future use.
- k [CPU IF]** USB 2.0 type-B socket. To connect with the CPU module. Acts as a power supply and communication channel for the I/O module.
- l [Di1-4 and Do]** Terminals for connecting digital inputs (Di) and digital outputs (Do).
The Do connection is reserved for future use.

Controls and switches

- a [RESET]** Reserved for future use.
- g [DIII MASTER]** Switch for setting the intelligent Tab Controller to "MASTER" or "SLAVE" in a DIII-NET configuration.
Factory default: left position (MASTER).
- j [DIP SW]** Mode selector.
Factory default: bit 1 is set to: "on"; bits 2-4 are set to: "off".
- m [Lever]** To assist mounting / dismantling the module onto / from a DIN rail.

LEDs

- b [CPU ALIVE]** (Green) This LED blinks when the I/O module operates normally. For details on LED operations, refer to the "[LED status and operation table \(I/O module\)](#)" on page 6.
- c [ALARM]** (Red) This LED is lit or blinks if a failure is detected. For details on LED operations, refer to the "[LED status and operation table \(I/O module\)](#)" on page 6.
- d [RS-485]** (Orange) This LED blinks when data is being sent or received over the RS-485 port.
- e [P1P2 MONITOR]** (Orange) This LED blinks when data is being sent or received via the P1P2 line.
- f [DIII MONITOR]** (Orange) This LED blinks when DIII-NET communication is performed.

LED status and operation table (I/O module)

Operating condition	CPU ALIVE	ALARM
Normal	Blink	Off
Hardware failure	Off	On
Power interruption	Off	Off
Communication failure between CPU module and I/O module (for 10 seconds or more)	On	Blink

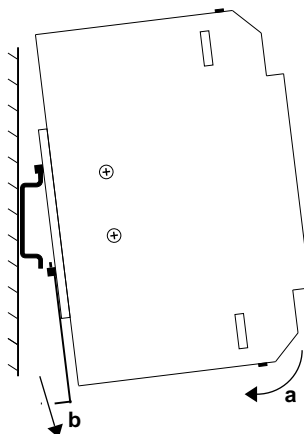
6. Installation of the intelligent Tab Controller hardware

The intelligent Tab Controller components are to be mounted onto a 35 mm DIN rail, inside an electrical cabinet. For more information, refer to "[5.2.1. Installation place and mounting direction](#)" on page 4.

Install the three intelligent Tab Controller hardware components as follows:

- 1 Place the module over the top of the DIN-35 rail so that the upper hook on the rear face is hooked in.
- 2 Push the module in direction 'a' until the lower hook snaps into the rail.
- 3 If necessary, pull the lever on the lower parts of the module in direction 'b' to click the module onto the rail. Use a flat-blade screwdriver if necessary.

- 4 Repeat the previous steps for all other modules.



7. Electric wiring

This chapter will describe the procedure to connect the intelligent Tab Controller kit components with Daikin devices and other equipment.



WARNING

Do not turn on the power supply before all wire connections are completed. Not doing so may cause an electric shock.

After the wiring is completed, double-check that all wires are connected correctly before turning on the power supply.

All field supplied parts, materials and electric works must conform to the applicable legislation.



INFORMATION

At the time of writing, some connectors are not active, but provided for future use.

7.1. Connecting to other equipment

For all wiring requirements, refer to "[8.5. Wiring requirements](#)" on page 9.

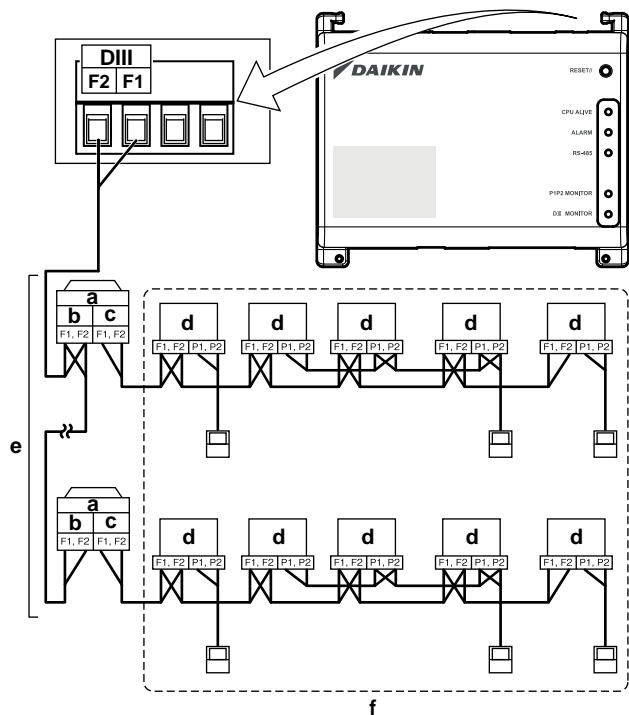
7.1.1. Connecting DIII-NET compatible equipment

DIII-NET is a unique air conditioning equipment communication capability developed by Daikin. Using DIII-NET, you can centrally control multiple DIII-NET-compatible air conditioning devices by connecting them to your intelligent Tab Controller.

To connect the DIII-NET communication line, use the F1 and F2 terminals on the upper part of the I/O module, as shown on the following diagram.

These two terminals have no polarity. An example of connecting more than two air conditioning devices is shown in the following wiring diagram.

Schematic wiring diagram with DIII terminals



- a Outdoor unit
- b OUT - OUT
- c IN - OUT
- d Indoor unit
- e A maximum of 7 outdoor units can be connected.
- f A maximum of 32 indoor units can be connected (a unique DIII address is required for each unit).

7.1.2. Connecting digital input and output devices

The intelligent Tab Controller can be connected with an external signal input device for stopping air conditioners, with electric energy meters for calculating the electricity usage of individual air conditioners or other devices.

Connect the contact input lines or pulse input lines to the Di1, Di2, Di3, Di4 and COM terminals of the connector on the bottom of the I/O module. The function of each terminal is as shown in the following wiring diagram.

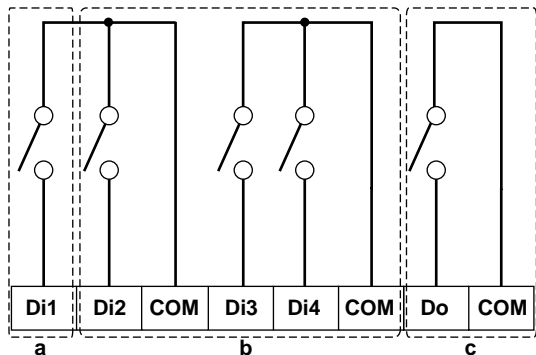
The function assignment, however, may be changed at a later time.

For more details on the required pulse width and interval, refer to "8.5. Wiring requirements" on page 9. For how to change the function assignment, refer to the installer reference guide.

i INFORMATION

At the time of writing, the digital output connection Do is not active, but provided for future use.

Schematic wiring diagram with Di and Do terminals



- a [Di1] Forced stop contact input (normally open).
- b [Di2] [Di3] [Di4] Digital inputs. Can be configured as normally open (A-type) or normally closed (B-type) contact inputs, or as pulse inputs.
- c [Do] Provided for future use.



NOTICE

- When the forced stop contact input is closed, a stop signal is sent to all connected devices. There is no hard guarantee that all devices are actually stopped and remain stopped during the time the forced stop contact input is active.
- When the forced stop contact input is closed, the connected devices can not be restarted unless the contact input is reopened.



NOTICE

- The COM terminals are all connected internally. So, you can use any one of them. However, you can only connect up to two wires simultaneously to each COM terminal.
- If applicable, connect the I/O module's COM terminal to the negative side of the device terminals.

7.2. Connecting the power supply to all modules

For all wiring requirements, refer to "8.5. Wiring requirements" on page 9.

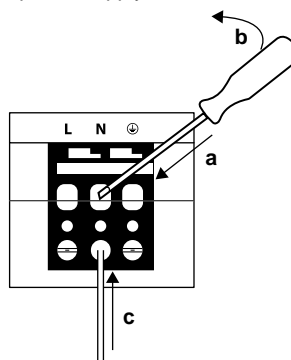
Proceed as follows:

- 1 Connect the power supply to the three terminals, L (live), N (neutral) and ground in the input section of the WAGO power supply unit (PSU).




INFORMATION

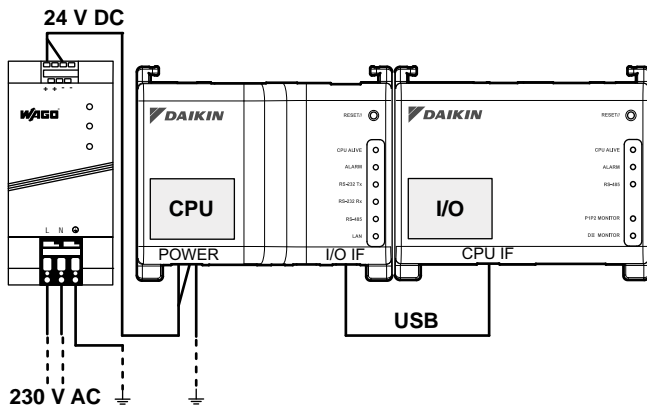
Use a flat-head screwdriver to manipulate the WAGO PSU cage clamp in such a way that the wires are fixed to the power supply.



- a Place the screwdriver in the upper clamp entry and place it above the clamp.
- b Push the clamp downwards by pivoting the screwdriver in direction 'b', so that the lower clamp entry opens.
- c Put the wire in the respective lower clamp entry.

- 2 Connect the DC output of the WAGO PSU to the DC input of the CPU module. Take the polarity of the wires into account.
- 3 Plug the A-type plug of the USB cable in the **rightmost** USB socket on the CPU module. This socket is marked "I/O IF".
- 4 Plug the B-type plug of the USB cable in the B-type USB socket on the I/O module.

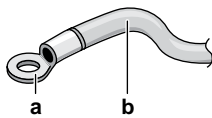
- 5 Provide an earth connection to the  terminal of the CPU module, using one of the following two options:
- connect the terminal to the earth rail bar of the electrical cabinet (if provided), or
 - connect the terminal to the M3 earthing screw on the bottom face of the WAGO PSU.



NOTICE

If you want to connect the earth wire to the WAGO PSU, you can only use a stranded wire with a crimp-style terminal on the tip of the wire.

Place the round crimp-style terminal on the wire up to the insulated part and fasten the terminal with a Philips screwdriver.



a Round crimp-style terminal
b Stranded conductor wire

- 6 Once all wiring has been completed and double-checked, turn on the power supply.



CAUTION

The power supply is **only** guaranteed when the "DC OK" LED on the WAGO PSU **and** the "CPU ALIVE" LEDs on **both** the CPU module and the I/O module are blinking.

If one or more of the above LEDs are not lighting up, check for faulty wiring.



INFORMATION

A new CPU module does not come with application software installed. Therefore, the "ALARM" LED will be lit red. This is as expected, see "[LED status and operation table \(CPU module\)](#)" on page 5. Application software will be installed during the commissioning phase, refer to "[9. Commissioning the intelligent Tab Controller setup](#)" on page 9.

7.3. Connecting the LAN cable

For all wiring requirements, refer to "[8.5. Wiring requirements](#)" on page 9.

Do not connect the LAN cable until you start commissioning the intelligent Tab Controller. Otherwise, a network address conflict may occur.

8. Technical specifications

8.1. Environmental conditions

Item	Specification
Operating air temperature	-10~+50°C
Storage temperature	-20~+60°C
Relative humidity	10~85% RH (without condensation)

8.2. Electrical cabinet

For the specifications of the electrical cabinet, refer to "[5.2.1. Installation place and mounting direction](#)" on page 4.

8.3. Power consumption specifications

Item	Specification
Rated input voltage	110~240 V AC
Input power frequency	50~60 Hz
Power consumption CPU module + I/O module	<ul style="list-style-type: none"> ■ Max: 13 W (11 W + 2 W) ■ Typical: 5.5 W (4 W + 1.5 W)

For more detailed specifications of the WAGO power supply, refer to the manual provided with the WAGO power supply.

8.4. Other intelligent Tab Controller specifications

Item	Specification
Internal battery type	BR2032 (3 V)
Internal battery, estimated time (typical) that data remains stored with controller powered off	6.5 years
Fuse CPU module and I/O module	Soldered into, 250 V AC, F2.5AL
Max real time clock (RTC) deviation	30 seconds per month
Max number of units controlled by the intelligent Tab Controller	<ul style="list-style-type: none"> ■ 7 outdoor units ■ 32 indoor units

8.5. Wiring requirements



WARNING

Make sure all field wiring complies with the applicable legislation.

All wiring must uphold the following requirements:

Connection	Cross section	Max. length	Remarks
LAN cable	—	100 m	<ul style="list-style-type: none"> ■ UTP CAT 5e or higher ■ RJ-45 connector
DIII-NET (F1/F2)	Ø0.75–1.25 mm ² (terminal sized for maximum 1.5 mm ²)	Total length ^(a) : 2000 m (<1500 m when using shielded wire) Max. length ^(b) : 1000 m	<ul style="list-style-type: none"> ■ Cable type: 2-core vinyl insulated vinyl-sheathed cable/vinyl cabtyre cable or 2-core shielded cable ■ Do not use multicore cables with three or more cores ■ Do not use mixed cable types ■ Never bundle the cables ■ When using a shielded cable, connect only one end of each shield wire to the ground ■ Make sure the wiring is routed and fixed, so as not to touch unearthed accessible conductive parts ■ Make sure a strain relief is available for each wire entering the electrical cabinet ■ For more information on DIII-NET, refer to the D-BACS design guide (ED72-721)
Digital Inputs (Di1–Di4, Do)	Ø0.75–1.25 mm ² (terminal sized for maximum 1.5 mm ²)	200 m	<ul style="list-style-type: none"> ■ The voltage-free contact connected to the input terminal must be suitable for detection by 10 mA at 16 V DC ■ For pulse signals: pulse width 20–400 ms, pulse interval: 100 ms or more
230 V AC power supply to the WAGO PSU	According to applicable legislation (terminal sized for maximum 4 mm ²)	According to applicable legislation	<ul style="list-style-type: none"> ■ Solid or stranded wire allowed ■ The internal protection of the WAGO PSU is fused at 2.5 A / 250 V
24 V DC power supply to the CPU module	According to applicable legislation	—	Solid or stranded wire allowed
USB cable	—	5 m	Commercial USB 2.0 cable, type-A to type-B connector (provided in the intelligent Tab Controller kit)

(a) *Total length* is the sum of all wiring in the DIII-NET network.

(b) *Max. length* is the maximum distance between any two connection points in the DIII-NET network.

9. Commissioning the intelligent Tab Controller setup

After you have verified that the intelligent Tab Controller components have been installed and all necessary wiring has been completed, you can start the commissioning of your intelligent Tab Controller setup.

For more information on the commissioning of the installation, refer to the installer reference guide.

10. Disposal requirements



CAUTION

There is a risk of explosion if the internal battery is replaced by an incorrect type.

Replace the battery according to the instructions in the installer reference guide.

The CPU module contains a replaceable battery, marked with the following symbol:



This means that the battery may not be mixed with unsorted household waste. If a chemical symbol is printed beneath the symbol, this chemical symbol means that the battery contains a heavy metal above a certain concentration.

Possible chemical symbols are: Pb: lead (>0.004%).

Waste batteries must be treated at a specialised treatment facility for reuse. By ensuring waste batteries are disposed of correctly, you will help to prevent potential negative consequences for the environment and human health.

Both intelligent Tab Controller modules are marked with the following symbol:



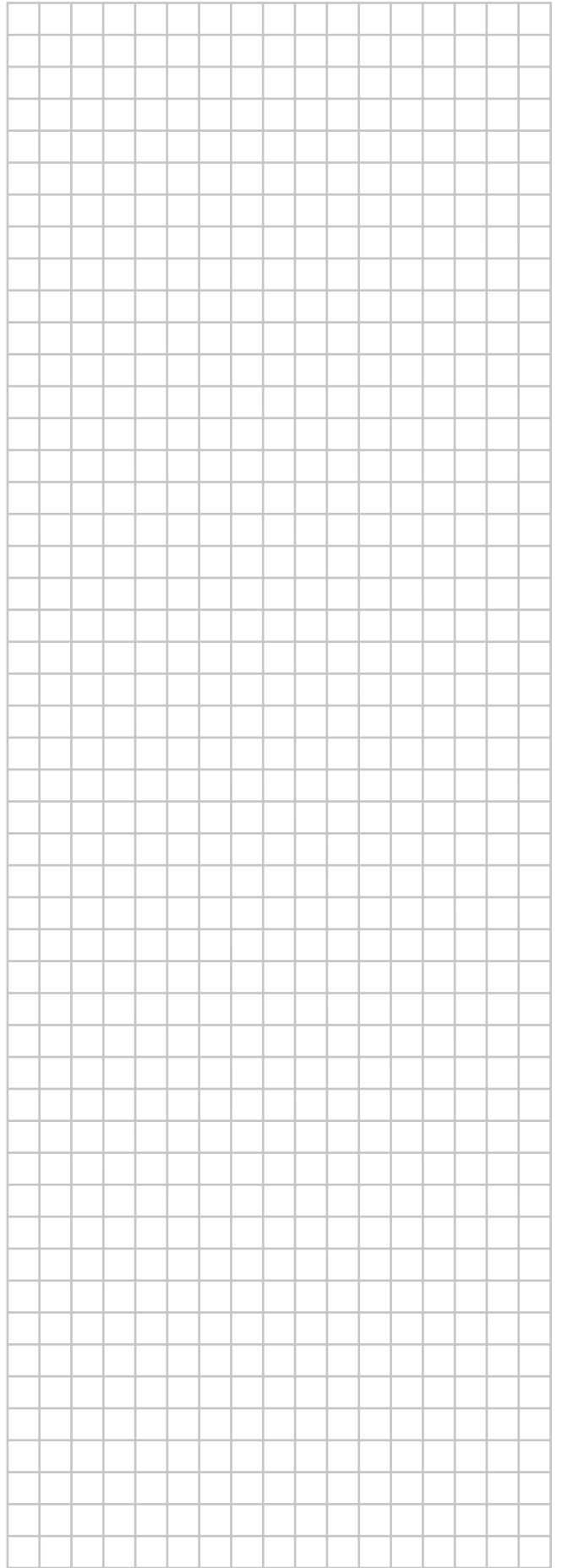
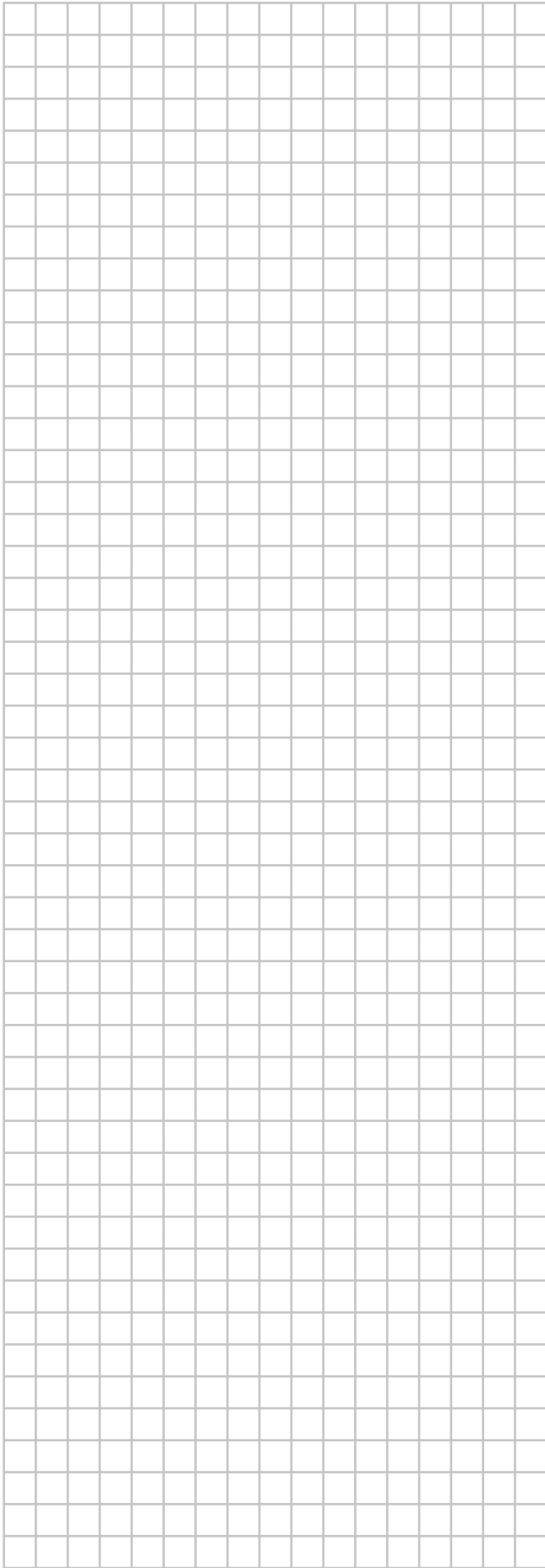
This means that electrical and electronic products may not be mixed with unsorted household waste. Do NOT try to dismantle the system yourself: the dismantling of the system, treatment of the refrigerant, of oil and of other parts must be done by an authorised installer and must comply with the applicable legislation.

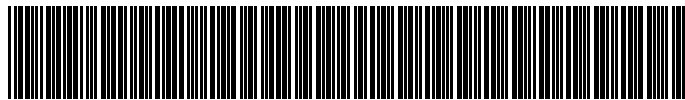
Units must be treated at a specialised treatment facility for reuse, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. For more information, contact your installer or local authority.

11. Copyright and trademarks

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4P414342-1 B 000000W

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4P414342-1B 2015.10