

Air Conditioning Control System - Optional Parts

Mounting Kit for Control Panel

Installation Manual

For distribution to dealers and contractors only

PAC-YK96TK

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Before installing the product, please read this Installation Manual carefully to ensure proper operation.
Retain this manual for future reference.



Manual Download



<http://www.mitsubishielectric.com/ldg/ibim/>



- en** Go to the above website to download manuals, select model name, then choose language.
- de** Besuchen Sie die oben stehende Website, um Anleitungen herunterzuladen, wählen Sie den Modellnamen und dann die Sprache aus.
- fr** Rendez-vous sur le site Web ci-dessus pour télécharger les manuels, sélectionnez le nom de modèle puis choisissez la langue.
- es** Visite el sitio web anterior para descargar manuales, seleccione el nombre del modelo y luego elija el idioma.
- it** Andare sul sito web indicato sopra per scaricare i manuali, selezionare il nome del modello e scegliere la lingua.
- pt** Aceda ao site Web acima indicado para descarregar manuais, seleccione o nome do modelo e, em seguida, escolha o idioma.
- tr** Kılavuzları indirmek için yukarıdaki web sitesine gidin, model adını ve ardından dili seçin.
- ru** Чтобы загрузить руководства, перейдите на указанный выше веб-сайт; выберите название модели, а затем язык.
- 中<简> 前往上述网站下载手册，选择产品型号，然后选择语言。

Note

- en** Controller model is abbreviated as "AE-C" in this manual.
- de** Das Steuerungsmodell wird in diesem Handbuch mit „AE-C“ abgekürzt.
- fr** Le modèle de contrôleur est désigné par l'abréviation « AE-C » dans le présent manuel.
- es** El modelo del controlador se abrevia como «AE-C» en este manual.
- it** In questo manuale il modello di unità di controllo è abbreviato in "AE-C".
- pt** O modelo do controlador é abreviado como "AE-C" neste manual.
- tr** Kumanda birimi modeli bu kılavuzda "AE-C" şeklinde kısaltılmıştır.
- ru** В этом руководстве модель контроллера обозначается сокращенно — «AE-C».
- 中<简> 本手册中，控制器型号简称为“AE-C”。

Safety precautions

- ▶ Thoroughly read the following safety precautions prior to installation.
- ▶ Observe these precautions carefully to ensure safety.

 WARNING	: indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	: indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

- ▶ After reading this manual, pass the manual on to the end user to retain for future reference.
- ▶ The user should keep this manual for future reference and refer to it as necessary. The manual should be made available to those who repair or relocate the product. Make sure that the manual is passed on to any future air conditioning system user.

■ General precautions

WARNING

To reduce the risk of injury, electric shock, or fire, do not alter or modify the product.

To reduce the risk of injury, keep children away while installing, inspecting, or repairing the product.

CAUTION

To reduce the risk of injury, electric shock, or malfunction, do not touch the edges of the product.

To reduce the risk of injury, do not hold the product by its edges.

To reduce the risk of injury, wear protective gear before working on the product.

■ Precautions for installation

WARNING

Properly dispose of the packing materials. Plastic bags pose a suffocation hazard to children.

Installation work must be performed by the dealer or qualified personnel according to the instructions in the Installation Manual. Improper installation work or installation work performed by the user may cause trouble.

Take appropriate safety measures against earthquakes to prevent the product from falling and causing injury.

Install the product where the weight of the product can be held. Installation in a place with insufficient strength or improper installation may cause the product to fall, causing injury.

■ Precautions for relocating or repairing the product

WARNING

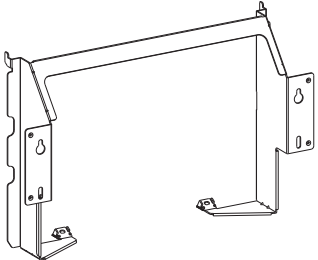
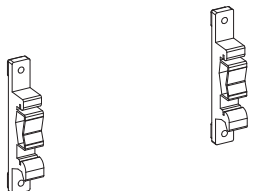


The product must be relocated or repaired only by qualified personnel. The user must not disassemble or modify the product. Improper installation or repair may result in injury, electric shock, or fire.

1. Parts

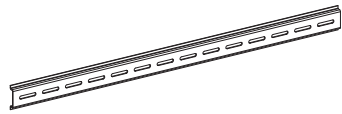

1-1. Supplied parts

The package contains the following items.

- Transport them to the installation site as packed.

No.	Item	Shape	Quantity	Remarks
D-1	Mounting bracket		1	—
D-2	DIN rail attachment		2	—
D-3	Screw		4	For installing the DIN rail attachments
D-4	Spacer		2	Used to install the AE-C on a DIN rail.
D-5	Installation Manual (this manual)	—	1	—

1-2. Commercial parts

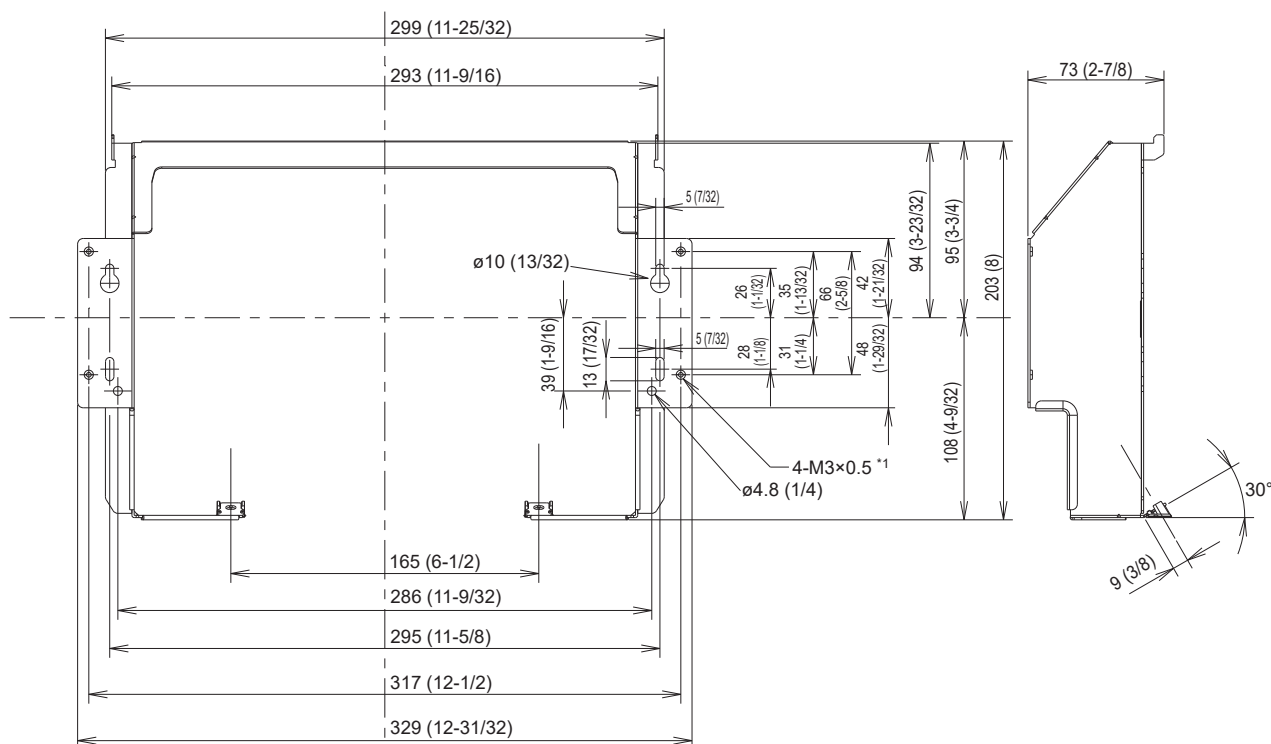
No.	Item	Shape	Quantity	Remarks
S-1	Screw (for installing the mounting bracket)	Arbitrary (M4)	4	Used to install the mounting bracket directly on a wall. Choose screws suitable for the material of the wall.
S-2	DIN rail		As required	—
S-3	Screw (for installing DIN rail)	Arbitrary	As required	Used to install the DIN rail on a wall. Choose screws suitable for the material of the wall.
S-4	DIN rail stopper	Arbitrary	2	—
S-5	Metal control box		As required	At least 200 mm (7-7/8 in.) of depth

Note

- To install the AE-C on a DIN rail, use the necessary number of screws (for installing DIN rail) to hold the weight of the AE-C and the mounting bracket (total 3.4 kg (8 lbs)).

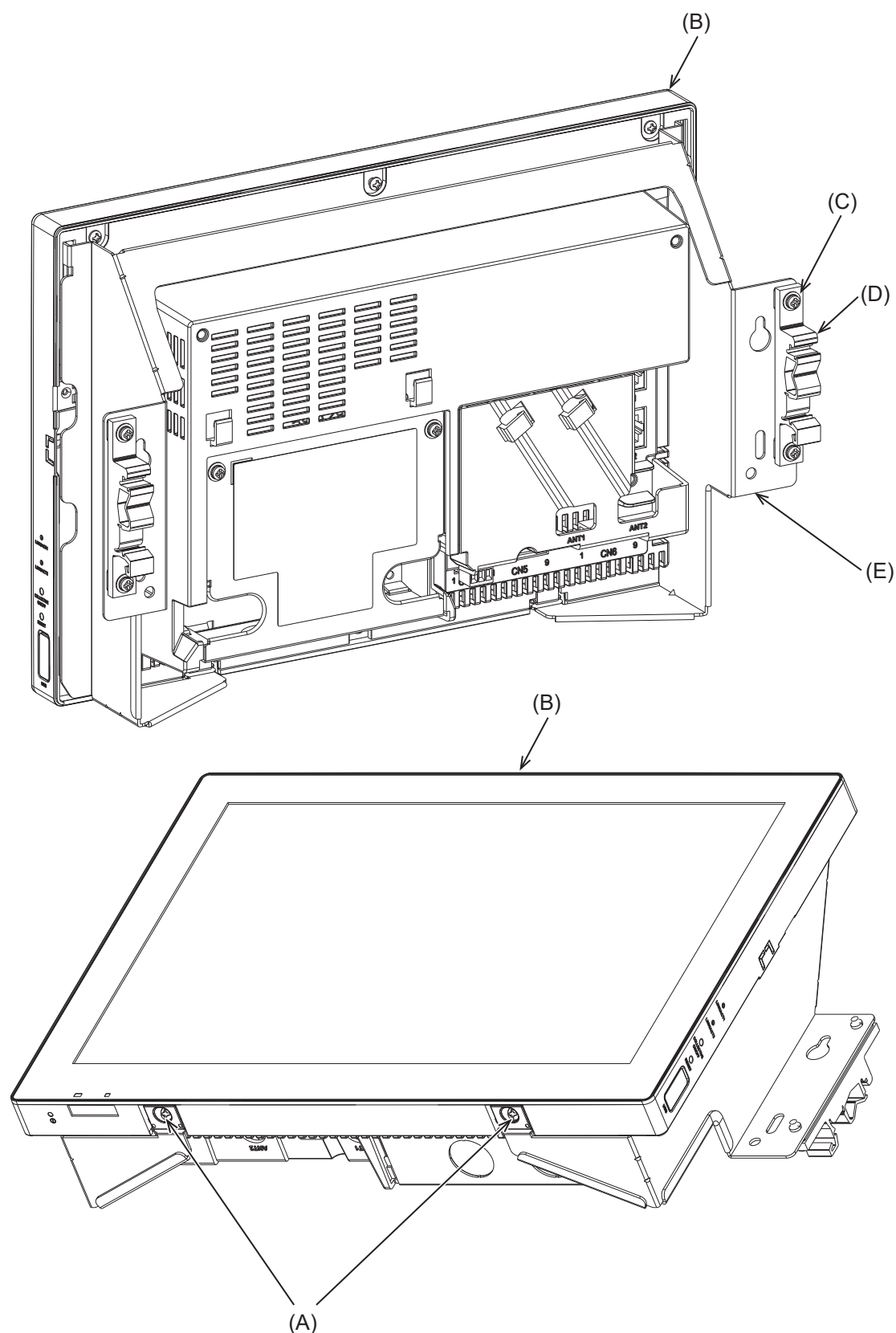
1-3. External dimensions

Unit: mm (in.)



*1 Extruded threaded hole

2. Parts location



- (A) Front frame mounting screw (supplied with the AE-C)
- (B) AE-C
- (C) Screw (supplied part D-3)
- (D) DIN rail attachment (supplied part D-2)
- (E) Mounting bracket (supplied part D-1)

3. Selecting the installation site

WARNING

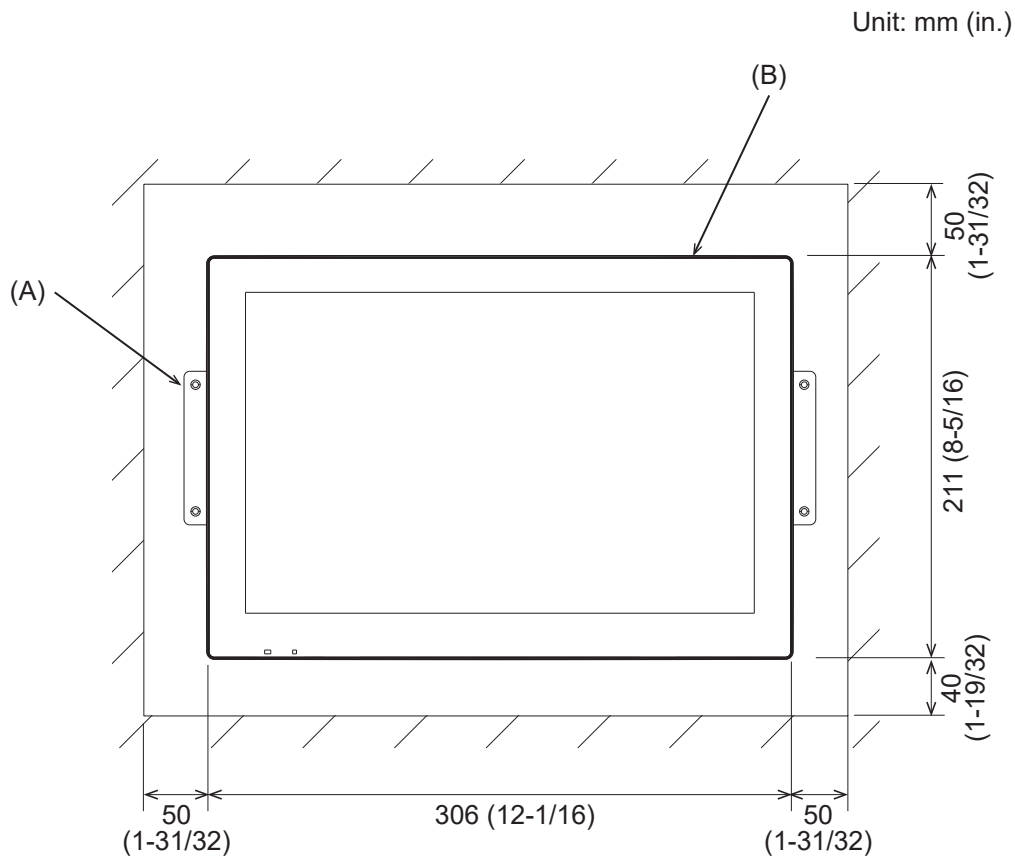
Install the product where the weight of the product can be held. Installation in a place with insufficient strength or improper installation may cause the product to fall, causing injury.

Install the mounting bracket (supplied part D-1) where the weight of the AE-C and the mounting bracket (total 3.4 kg (8 lbs)) can be held.

Do not install the mounting bracket where it is subjected to continuous vibrations, which can cause the connectors to become loose or disconnected.

3-1. Installation space

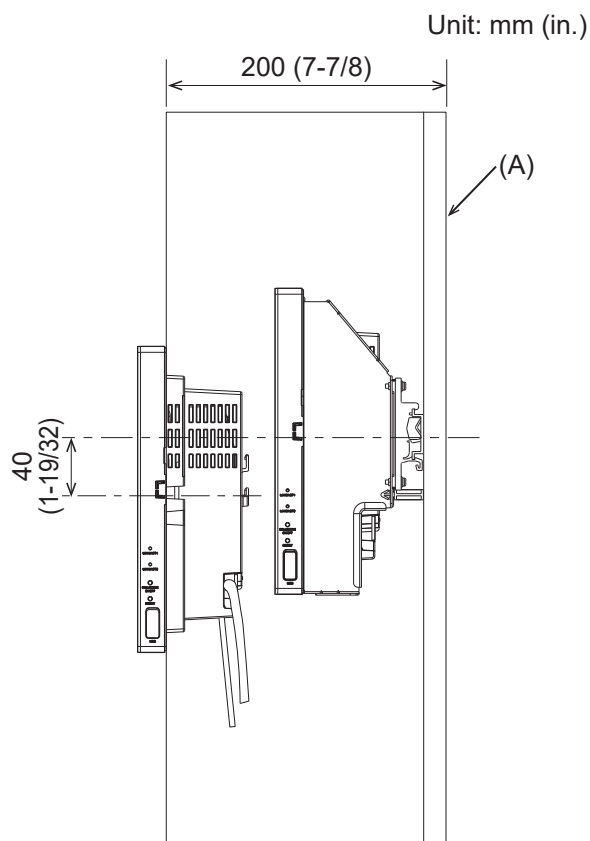
3-1-1. Peripheral space



- (A) Mounting bracket (supplied part D-1)
- (B) AE-C

3-1-2. Depth

With the mounting bracket, the AE-C requires more space for its depth. Install the AE-C where it does not come into contact with a device that is on the door of the metal control box. If another AE-C is located in front of the AE-C with the mounting bracket (or on the door of the metal control box), the AE-C with the mounting bracket must be installed 40 mm (1-19/32 in.) higher than the center of this AE-C to avoid contact with the cables.



(A) Metal control box

4. Installation

CAUTION

To reduce the risk of injury, electric shock, or malfunction, do not touch the edges of the product.

4-1. Progress of building construction and construction conditions

None.

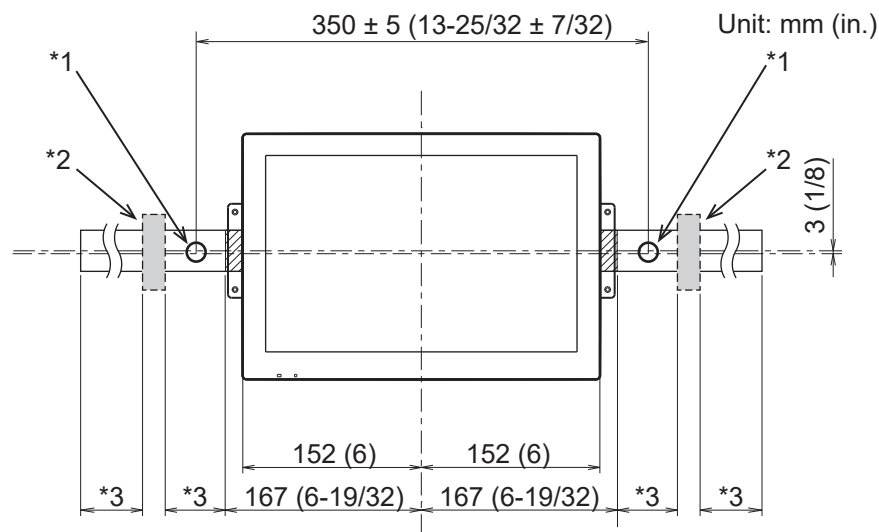
4-2. Installation methods

With the mounting bracket, the AE-C can be installed on a DIN rail or directly on a wall inside a metal control box.

4-2-1. Installation on a DIN rail

See the figure below for the installation dimensions.

- Install the DIN rail using the screws (for installing the DIN rail) (commercial part S-3) as shown in the figure below.
- Install DIN rail stoppers (commercial part S-4) at both ends of the DIN rail to keep the AE-C from sliding off the sides.



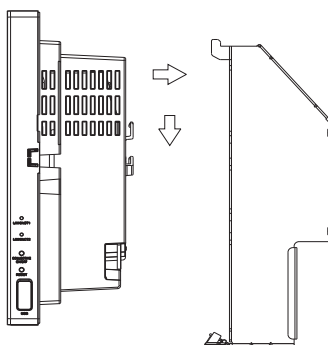
*1 Put the screw (for installing the DIN rail) here to fix the DIN rail.

*2 DIN rail stopper

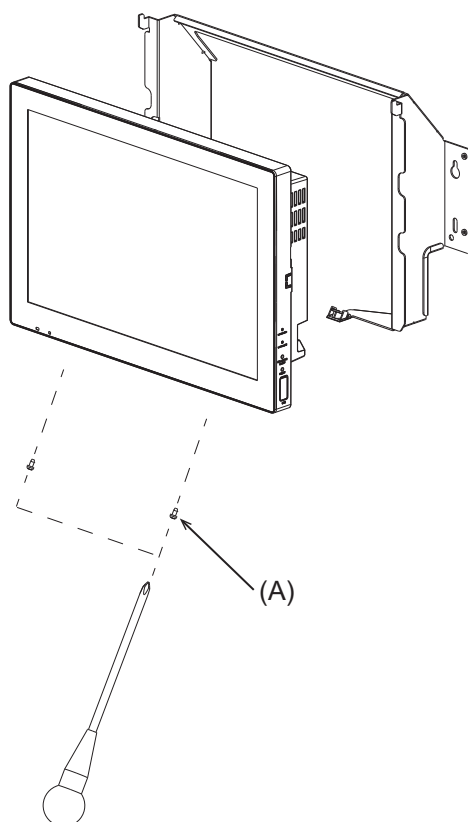
*3 Mount DIN rail stoppers on the DIN rail at a minimum distance of 20 mm (13/16 in.) from the end of the DIN rail and the mounting bracket.

Steps

1. Hook the top of the AE-C onto the two hooks of the mounting bracket (supplied part D-1), and slide the AE-C down to temporarily let it hang.



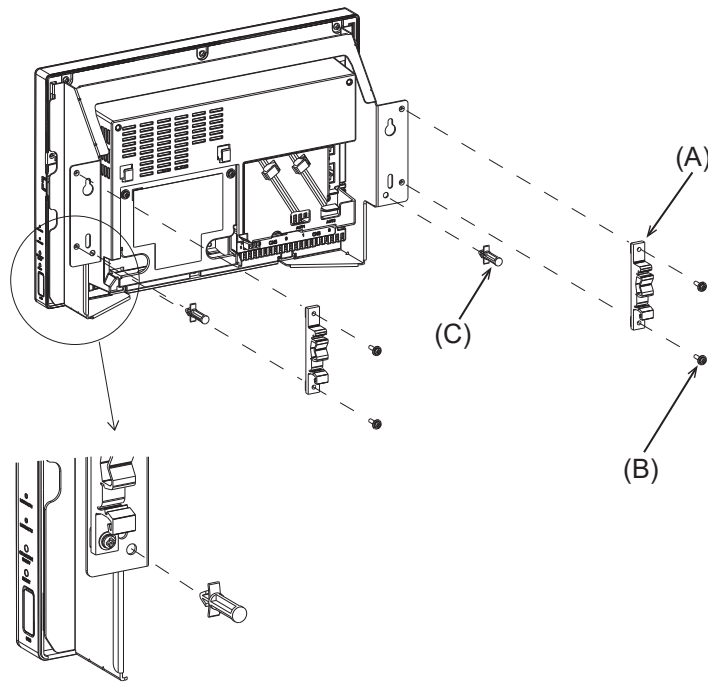
2. Fasten the AE-C to the mounting bracket, using two mounting screws (supplied with the AE-C).



(A) Mounting screw

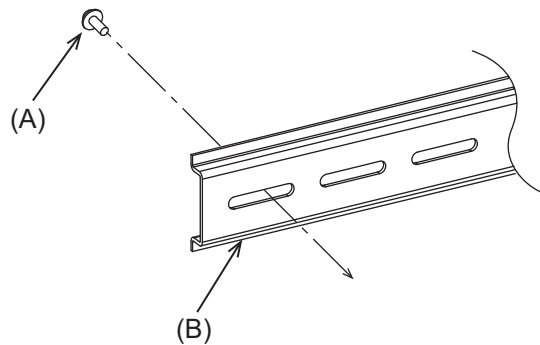
3. Attach the DIN rail attachments (supplied part D-2) and the spacers (supplied part D-4) to the mounting bracket.

- The DIN rail attachments must be oriented as shown below.



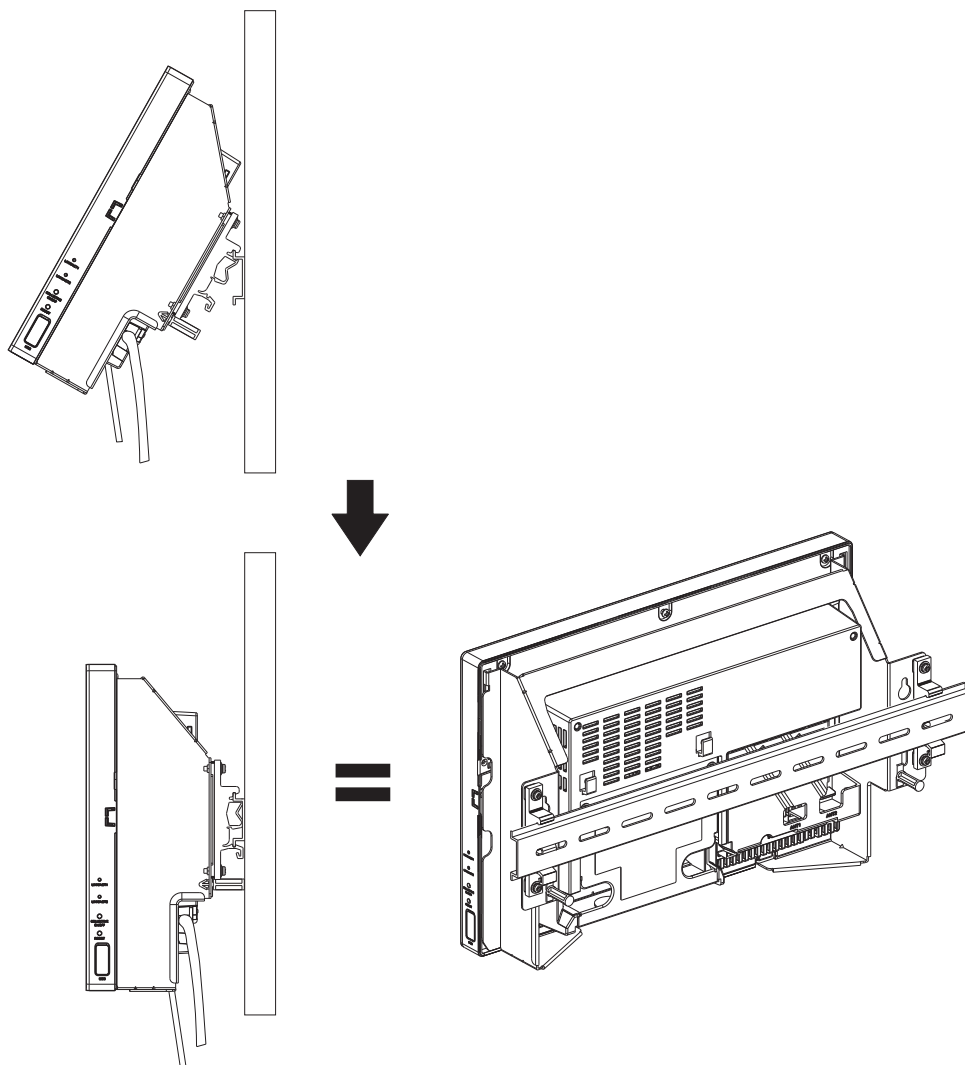
- (A) DIN rail attachment
(B) Screw (supplied part D-3)
(C) Spacer (supplied part D-4)

4. Install a DIN rail (commercial part S-2) on a wall that can hold the weight of the AE-C and the mounting bracket.

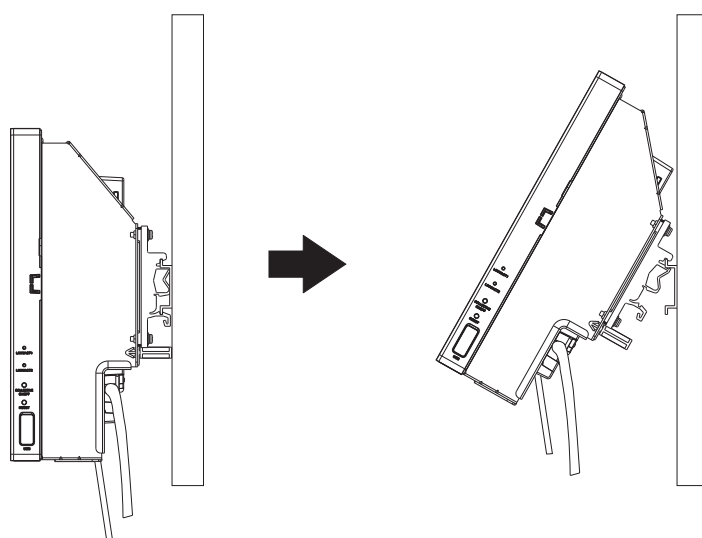


- (A) Screw (for installing DIN rail) (commercial part S-3)
(B) DIN rail

5. Install the AE-C on the DIN rail.

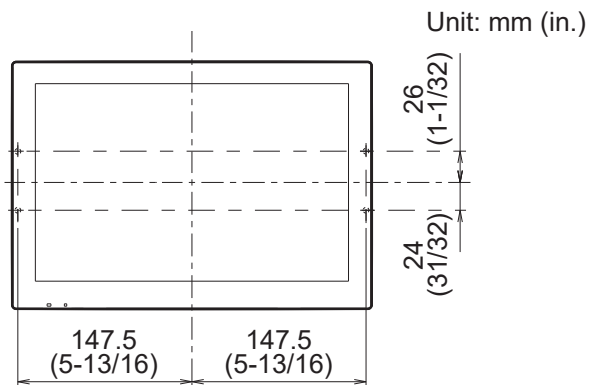


- To remove the AE-C, disengage the AE-C from the DIN rail as shown in the figure below.



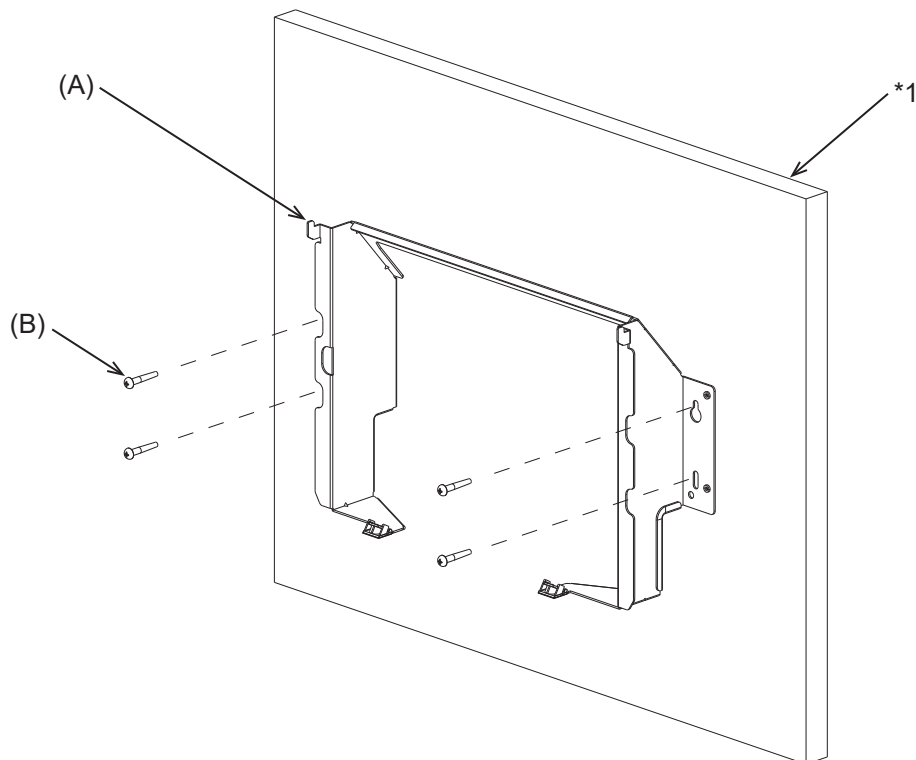
4-2-2. Installation on a wall

See the figure below for the installation dimensions.



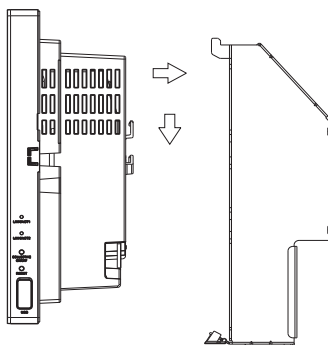
Steps

1. Install the mounting bracket (supplied part D-1) on a wall that can hold the weight of the AE-C and the mounting bracket, using the screws (for installing the mounting bracket) (commercial part S-1).

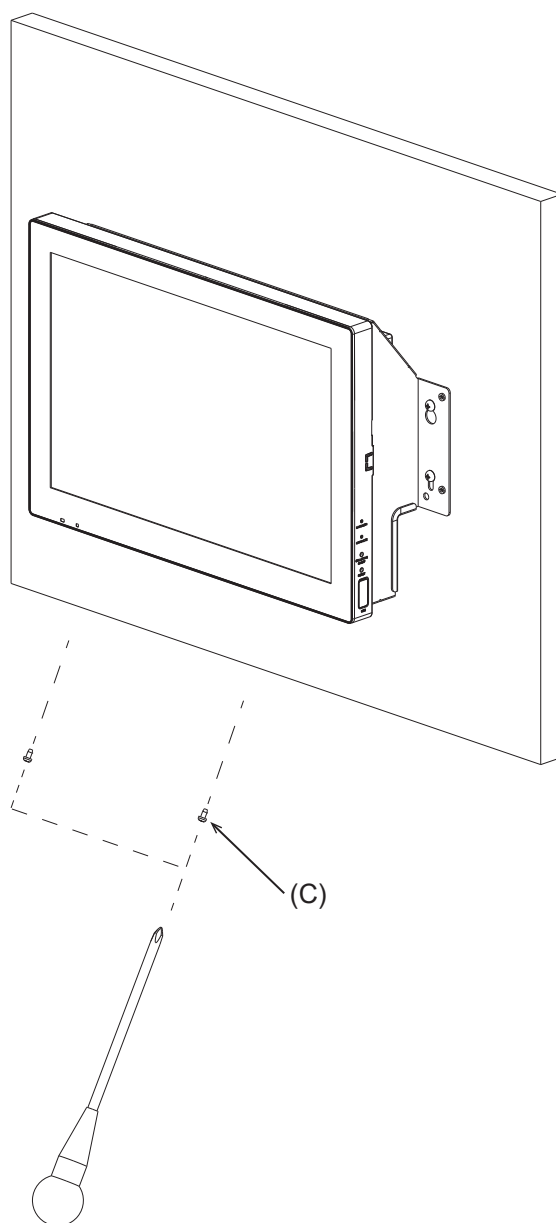


- (A) Mounting bracket
(B) Screw (for installing the mounting bracket)
*1 Wall

-
2. Hook the top of the AE-C onto the two hooks of the mounting bracket, and slide the AE-C down to temporarily let it hang.



3. Fasten the AE-C to the mounting bracket, using two mounting screws (supplied with the AE-C).



(C) Mounting screw

5. Electrical wiring

Refer to the Installation Manual for the AE-C for details of wiring.

Please be sure to put the contact address/telephone number
on this manual before handing it to the customer.

mitsubishi electric corporation

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