

### INSTALLATION MANUAL

# **URV** SYSTEM Inverter Air Conditioners

English

Deutsch

Français

Español

Italiano

Ελληνικά

Nederlands

Portugues

Русский

中文(繁體)

中文(简体)

MODELS

Floor standing type and Concealed floor standing type

FXLQ20MVE	FXNQ20MVE	<b>FXLQ20MAVE</b>	FXNQ20MAVE
FXLQ25MVE	<b>FXNQ25MVE</b>	<b>FXLQ25MAVE</b>	<b>FXNQ25MAVE</b>
FXLQ32MVE	FXNQ32MVE	<b>FXLQ32MAVE</b>	<b>FXNQ32MAVE</b>
<b>FXLQ40MVE</b>	<b>FXNQ40MVE</b>	<b>FXLQ40MAVE</b>	<b>FXNQ40MAVE</b>
<b>FXLQ50MVE</b>	<b>FXNQ50MVE</b>	<b>FXLQ50MAVE</b>	<b>FXNQ50MAVE</b>
FXLQ63MVE	<b>FXNQ63MVE</b>	<b>FXLQ63MAVE</b>	<b>FXNQ63MAVE</b>

READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION.
KEEP THIS MANUAL IN A HANDY PLACE FOR FUTURE REFERENCE.

LESEN SIE DIESE ANWEISUNGEN VOR DER INSTALLATION SORGFÄLTIG DURCH. BEWAHREN SIE DIESE ANLEITUNG FÜR SPÄTERE BEZUGNAHME GRIFFBEREIT AUF.

LIRE SOIGNEUSEMENT CES INSTRUCTIONS AVANT L'INSTALLATION. CONSERVER CE MANUEL A PORTEE DE MAIN POUR REFERENCE ULTERIEURE.

LEA CUIDADOSAMENTE ESTAS INSTRUCCIONES ANTES DE INSTALAR. GUARDE ESTE MANUAL EN UN LUGAR A MANO PARA LEER EN CASO DE TENER ALGUNA DUDA.

PRIMA DELL'INSTALLAZIONE LEGGERE ATTENTAMENTE QUESTE ISTRUZIONI. TENERE QUESTO MANUALE A PORTATA DI MANO PER RIFERIMENTI FUTURI.

ΔΙΑΒΑΣΤΕ ΠΡΟΣΕΚΤΙΚΑ ΑΥΤΈΣ ΤΙΣ ΟΔΗΓΙΕΣ ΠΡΙΝ ΑΠΌ ΤΗΝ ΕΓΚΑΤΑΣΤΑΣΗ EXETE AYTO ΤΟ ΕΓΧΕΙΡΙΔΙΟ ΕΥΚΑΙΡΟ ΓΙΑ ΝΑ ΤΟ ΣΥΜΒΟΥΛΕΥΕΣΤΕ ΣΤΟ ΜΕΛΛΟΝ.

LEES DEZE INSTRUCTIES ZORGVULDIG DOOR VOOR INSTALLATIE. BEWAAR DEZE HANDLEINDING WAAR U HEM KUNT TERUGVINDEN VOOR LATERE NASLAG.

LEIA COM ATENÇÃO ESTAS INSTRUÇÕES ANTES DE REALIZAR A INSTALAÇÃO. MANTENHA ESTE MANUAL AO SEU ALCANCE PARA FUTURAS CONSULTAS.

ПЕРЕД НАЧАЛОМ МОНТАЖА ВНИМАТЕЛЬНО ОЗНАКОМЬТЕСЬ С ДАННЫМИ ИНСТРУКЦИЯМИ. СОХРАНИТЕ ДАННОЕ РУКОВОДСТВО В МЕСТЕ, УДОБНОМ ДЛЯ ОБРАЩЕНИЯ В БУДУЩЕМ.

安裝前務必仔細閱讀此安裝指南, 閱後妥善保存, 以便隨時參看。

安装前务必仔细阅读此安装指南、阅后妥善保存、以便随时参看。

DECLARATION-OF-CONFORMITY CONFORMITEITSVERKLARING KONFORMITÄTSERKLÄRUNG

CE - DECLARACION-DE-CONFORMIDAD CE - DICHIARAZIONE-DI-CONFORMITA CE - ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ

- DECLARAÇÃO-DE-CONFORMIDADE - 3ARBJIEHÚE-O-COOTBETCTBUU - OPFYLDELSESERKLÆRING - FÖRSÄKRAN-OM-ÖVERENSTÄMMELSE ម៉ូគូគូគូ

CE - ERKLÆRING OM-SAMSVAR CE - ILMOITUS-YHDENMUKAISUUDESTA CE - PROHLÁŠENÍ-O-SHODĚ

11 (S) deklarerar i egenskap av huvudansvarig, att lufkondtiloneringsmodellerna som berörs av denna deklaration innebår att.
12 (R) erklærer et fullstendig ansvar for at de luftkondisjoneringsmodeller som berøres av denne deklarasjon innebærer att.

10 (DR) erklærer under eneansvar, at klimaanlægmodellerne, som denne deklaration vedrører:

teljes feletóssége tudatában kijelenti, hogy a klimaberendezés modellek, melyekre e nyilatkozat vonatkozik.
 ® deklaruje na własną i wyłączną odpowiedzialność, że modele klimatyzatorów, których dotyczy niniejsza deklaracja:
 ®® declarą pe proprie ráspundere cż aparatele de aer condiţionat la care se referá aceastá declaraţie:

FXKQ25MVE, FXKQ32MVE, FXKQ40MVE, FXKQ63MVE

15 (HR) izjavljuje pod isključivo vlastitom odgovornošću da su modeli klima uređaja na koje se ova izjava odnosi: 13 (Fiv.) ilmoittaa yksinomaan omalla vastuullaan, että tämän ilmoituksen tarkoittamat ilmastointilaitteiden mallit:

14 🖾 prohlašuje ve své plné odpovědnosti, že modely klimatizace, k nimž se toto prohlášení vztahuje:

CE - IZJAVA-O-USKLAĐENOSTI CE - MEGFELELÖSÉGI-NYILATKOZAT CE - DEKLARACJA-ZGODNOŚCI CE - DECLARAŢIE-DE-CONFORMITATE

CE - IZJAVA O SKLADNOSTI CE - VASTAVUSDEKLARATSIOON CE - ДЕКЛАРАЦИЯ-3A-CЪOTBETCTBИE

CE - ATTIKTIES-DEKLARACIJA CE - ATBILSTIBAS-DEKLARĀCIJA CE - VYHLÁSENIE-ZHODY CE - UYUMLULUK-BILDĪRISI

# DAIKIN INDUSTRIES, LTD

01 (B) declares under its sole responsibility that the air conditioning models to which this declaration relates:

02 (D) erklärt auf seine alleinige Verantwortung daß die Modelle der Klimageräte für die diese Erklärung bestimmt ist:

03 (F) déclare sous sa seule responsabilité que les appareils d'air conditionné visés par la présente déclar ation:

04 (NL) verklaart hierbij op eigen exclusieve verantwoordelijkheid dat de airconditioning units waarop deze verklaring betrekking heeft: 05 📧 declara baja su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia la declaración:

**06** (1) dichiara sotto sua responsabilità che i condizionatori modello a cui è riferita questa dichiarazione:

07 GB) δηλώνει με αποκλειστική της ευθύνη ότι τα μοντέλα των κλιματιστικών συσκευών στα οποία αναφέρεται η παρούσα δήλωση:

09 (чв.) заявляет, исключительно под свою ответственность, что модели кондиционеров воздуха, к которым относится настоящее заявление: 08 (P) declara sob sua exclusiva responsabilidade que os modelos de ar condicionado a que esta declaração se refere:

FXCQ20MVE, FXCQ25MVE, FXCQ32MVE, FXCQ40MVE, FXCQ50MVE, FXCQ63MVE, FXCQ80MVE, FXCQ125MVE **=XZQ20MVE, FXZQ25MVE, FXZQ32MVE, FXZQ40MVE, FXZQ50MVE** 

-XMQ40MVE, FXMQ50MVE, FXMQ63MVE, FXMQ80MVE, FXMQ100MVE, FXMQ125MVE, FXMQ200MVE, FXMQ250MVE **EXNO20MVE, FXNQ25MVE, FXNQ32MVE, FXNQ40MVE, FXNQ50MVE, FXNQ63MVE** FXLQ20MVE, FXLQ25MVE, FXLQ32MVE, FXLQ40MVE, FXLQ50MVE, FXLQ63MVE

-XSQ20MVE, FXSQ25MVE, FXSQ32MVE, FXSQ40MVE, FXSQ50MVE, FXSQ63MVE, FXSQ80MVE, FXSQ100MVE, FXSQ125MVE "XHQ32MVE, FXHQ63MVE, FXHQ100MVE

off are in conformity with the following standard(s) or other normative document(s), provided that these are used in accordance with our off estate en conformidade com a(s) seguinte(s) normal(s) or outher normative(s), desde que estes sejam utilizados de

02 deriden folgenden Norm(en) oder einem anderen Normdokument oder -dokumenten entspricht/entsprechen, unter der Voraussetzung, daß sie gemäß unseren Anweisungen eingesetzt werden:

acordo com as nossas instruções:

instrukser:

03 sont conformes à la/aux norme(s) ou autre(s) document(s) normatif(s), pour autant qu'ils soient utilisés conformément à nos instructions: 04 conform de volgende norm(en) of één of meer andere bindende documenten zijn, op voorwaarde dat ze worden gebruikt overeenkomstig onze instructies

05 están en conformidad con la(s) siguiente(s) norma(s) u otro(s) documento(s) normativo(s), siempre que sean utilizados de acuerdo con nuestras instrucciones:

06 sono conformi al(i) seguente(i) standard(s) o altro(i) documento(i) a carattere normativo, a patto che vengano usati in conformità alle

disse brukes i henhold til våre instrukser:

mukaisesti

14 za předpokladu, že jsou využívány v souladu s našími pokyny, odpovídají následujícím normám nebo normativním dokumentům: **07** είναι σύμφωνα με το(α) ακόλουθο(α) πρότυπο(α) ή άλλο έγγραφο(α) κανονισμών, υπό την προϋπόθεση ότι χρησιμοποιούνται αήπφωνα με τις οδηγίες μας:

# EN60335-2-40,

17 zgodnie z postanowieniami Dyrektyw: 18 în urma prevederilor 11 enligt villkoren i 16 követi a(z): 04 overeenkomstig de bepalingen van: 03 conformément aux stipulations des: 07 με τήρηση των διατάξεων των 05 siguiendo las disposiciones de: 08 de acordo com o previsto em: 02 gemäß den Vorschriften der: 06 secondo le prescrizioni per: 01 following the provisions of:

19 ob upoštevanju določb: 10 under iagttagelse af bestemmelserne i: 12 gitt i henhold til bestemmelsene i: 14 za dodržení ustanovení předpisu: 13 noudattaen määräyksiä: 15 prema odredbama:

25 bunun koşullarına uygun olarak: 23 ievērojot prasības, kas noteiktas: 22 laikantis nuostatų, pateikiamų: 21 следвайки клаузите на: 24 održiavajúc ustanovenia:

Electromagnetic Compatibility 2004/108/EC

Low Voltage 2006/95/EC Machinery Safety 98/37/EC

06 \* delineato nel <A> e giudicato positivamente da <B> secondo il Certificato <C> .

01 \* as set out in <A> and judged positively by <B> according to the Certificate <C>.

08 \* tal como estabelecido em <A> e com o parecer positivo de <B> de acordo com o Certificado <C>. как указано в <А> и в соответствии с

tel que défini dans <A> et évalué positivement par

<B> conformément au Certificat <C>.

92 \* wie in der <A> aufgeführt und von <B> positiv beurteilt gemäß Zertifikat <C>.

04 \* zoals vermeld in <A> en positief beoordeeld door <B> overeenkomstig Certificaat <C>.

από το <Β> σύμφωνα με το Πιστοποιητικό <C>

όπως καθορίζεται στο <Α> και κρίνεται θετικά

.

som anført i <A> og positivt vurderet af <B> i henhold til Certifikat <C> . положительным решением <В> согласно Свидетельству <С>. ₽

05 \* como se establece en <A> y es valorado positivamente por <B> de acuerdo con el Certificado <C> .

Shinri Sada

FXLQ20MHV1, FXLQ25MHV1, FXLQ32MHV1, FXLQ40MHV1, FXLQ50MHV1, FXMQ40MAVE, FXMQ50MAVE, FXMQ63MAVE, FXMQ80MAVE

FXMQ100MAVE. FXMQ125MAVE. FXMQ200MAVE. FXMQ250MAVE FXAQ20MVE, FXAQ25MVE, FXAQ32MVE, FXAQ40MVE, FXAQ50MVE, FXAQ63MVE

FXKQ25MAVE. FXKQ32MAVE. FXKQ40MAVE. FXKQ63MAVE FXAQ20MAVE, FXAQ25MAVE, FXAQ32MAVE, FXAQ40MAVE FXUQ71MAV1, FXUQ100MAV1, FXUQ125MAV1 FXAQ50MAVE, FXAQ63MAVE

FXNQ20MAVE, FXNQ25MAVE, FXNQ32MAVE, FXNQ40MAVE FXLQ20MAVE, FXLQ25MAVE, FXLQ32MAVE, FXLQ40MAVE FXNQ50MAVE, FXNQ63MAVE FXLQ50MAVE, FXLQ63MAVE

FXAQ20MHV1, FXAQ25MHV1, FXAQ32MHV1, FXAQ40MHV1, FXAQ50MHV1

**BEVQ50MVE** 

FXMQ125MFV1, FXMQ200MFV1, FXMQ250MFV1 BEVQ71MVE, BEVQ100MVE, BEVQ125MVE FXUQ71MV1, FXUQ100MV1, FXUQ125MV1

17 spelniają wymogi następujących norm i innych dokumentów normalizacyjnych, pod warunkiem że używane są zgodnie z naszymi 16 megfelelnek az alábbi szabvány(ok)nak vagy egyéb irányadó dokumentum(ok)nak, ha azokat előírás szerint használják:

18 sunt în conformitate cu următorul (următoarele) standard(e) sau alt(e) document(e) normativie), cu condiția ca acestea să fie utilizate în conformitate cu instrucțiunile noastre 09 соответствуют следующим стандартам или другим нормативным документам, при условии их использования согласно нашим 10 overholder folgende standard(er) eller andet/andre retningsgivende dokument(er), forudsat at disse anvendes i henhold til vore

20 on vastavuses järgmis(!)e standardi(te)ga või teiste normatiivsete dokumentidega, kui neid kasutatakse vastavalt meie juhenditele: 19 skladni z naslednjimi standardi in drugimi normativi, pod pogojem, da se uporabljajo v skladu z našimi navodili:

22 atitinka žemiau nurodytus standartus ir (arba) kitus norminius dokumentus su sąlyga, kad yra naudojami pagal mūsų nurodymus: инструкции: 11 respektive utushring är utförd i överensstämmelse med och följer följande standard(er) eller andra nomgivande dokument, under förutsättning att användning sker i överensstämmelse med våra instruktioner: 12 respektive utstyr er i overensstemmelse med følgende standard(er) eller andre normgivende dokument(er), under forutssetning av at

21 съответстват на следните стандарти или други нормативни документи, при условие, че се използват съгласно нашите

23 tad, ja lietoti atbilstoši ražodaja norādījuniem, atbilst sekojošiem standartiem un citiem normatīviem dokumentiem: 24 sú v zhode s nasledovnou(ými) normou(ami) alebo inýmt) normativnymt(i) dokumentom(ami), za predpokladu, že sa používaju v súlade 13 vastaavat seuraavien standardien ja muiden ohjeellisten dokumenttien vaatimuksia edellyttäen, että niitä käytetään ohjeidemme

25 ürünün, talimatlarımıza göre kullanılması koşuluyla aşağıdaki standartlar ve norm belirten belgelerle uyumludur:

s našim návodom:

15 u skladu sa slijedećim standardom(ima) ili drugim normativnim dokumentom(ima), uz uvjet da se oni koriste u skladu s našim uputama:

10 Direktiver, med senere ændringer.

20 vastavalt nõuetele:

13 \* jotka on esitetty asiakirjassa <A> ja jotka <B> on hyväksynyt Sertifikaatin <C> mukaisesti. 12 \* som det fremkommer i <A> og gjennom positiv bedømmelse av <B> ifølge Sertifikat <C>. 11 \* enligt <A> och godkänts av <B> enligt Certifikatet <C>.

14 \* jak bylo uvedeno v <A> a pozitívně zjištěno <B> v souladu s osvědčením <C>.

15 \* kako je izloženo u <A> i pozitivno ocijenjeno od

strane <B> prema Certifikatu <C>.

zgodnie z dokumentacją <A>, pozytywną opinią <B> i Świadectwem <C> .

16 \* a(z) <A> alapján, a(z) <B> igazolta a megfelelést a(z) <C> tanúsítvány szerint.

aşa cum este stabilit în <A> și apreciat pozitiv de <B> în conformitate cu Certificatul <C>

19 \* kot je določeno v <A> in odobreno s strani <B> v skladu s certifikatom <C>

' nagu on näidatud dokumendis <A> ja heaks kiidetud <B> järgi vastavalt sertifikaadile <C> . \* 2

FXHQ32MAVE, FXHQ63MAVE, FXHQ100MAVE

24 (®) vyhlasuje na vlastni zodpovednost, že tieto klimatizačné modely, na ktoré sa vzfahuje toto vyhlásenie.
25 (®) tanamen kendi sorumlukujunda olmak úzere bu blidirnin ilgili oldugu klima modellerimi agalgdaki gibi oldugunu beyan eder:

21 📵 декларира на своя отговорност, че моделите климатична инсталация, за които се отнася тази декларация

20 (est) kinnitab oma täielikul vastutusel, et käesoleva deklaratsiooni alla kuuluvad kliimaseadmete mudelid:

19 🕪 z vso odgovornostjo izjavlja, da so modeli klimatskih naprav, na katere se izjava nanaša:

22 (T) visiška savo atsakomybe skelbia, kad oro kondicionavimo prietaisų modeliai, kuriems yra taikoma ši deklaracija:

23 🕦 ar pilnu atbildību apliecina, ka tālāk uzskaitīto modeļu gaisa kondicionētāji, uz kuriem attiecas šī deklarācija:

BEVQ71MAVE, BEVQ100MAVE, BEVQ125MAVE

16 irányelv(ek) és módosításaik rendelkezéseit. 13 Direktiivejā, sellaisina kuin ne ovat muutettuina. 18 Directivelor, cu amendamentele respective 12 Direktiver, med foretatte endringer. 11 Direktiv, med företagna ändringar. 15 Smjernice, kako je izmijenjeno. 17 z późniejszymi poprawkami. 14 v platném znění. 07 Οδηγιών, όπως έχουν τροποποιηθεί 08 Directivas, conforme alteração ет. 09 Директив со всеми поправками. 05 Directivas, según lo enmendado. 02 Direktiven, gemäß Änderung.03 Directives, telles que modifiées. 04 Richtlijnen, zoals geamendeerd. 06 Direttive, come da modifica.

25 Değiştirilmiş halleriyle Yönetmelikler.

21 Директиви, с техните изменения. 19 Direktive z vsemi spremembami.

Direktiivid koos muudatustega.

23 Direktīvās un to papildinājumos.

22 Direktyvose su papildymais. 24 Smernice, v platnom znení.

> 22 \* kaip nustatyta < A> ir kaip teigiamai nuspręsta < B> 21 \* както е изложено в <A> и оценено положително от <B> съгласно Сертификата <С>

<A> DAIKIN.TCF.022E1/10-2007

<B> TÜV Rheinlard EPS B.V.

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23 \* kā norādīts <A> un atbilstoši <B> pozitīvajam pagal Sertifikata <C>

vērtējumam saskanā ar sertifikātu <C>.

24 \* ako bolo uvedené v <A> a pozitívne zistené <B> v súlade s osvedčením <C>

<B> tarafından olumlu olarak değerlendirildiği gibi. 25 \* <A>'da belirtildiği gibi ve <C> Sertifikasına göre

DAIKIN INDUSTRIES, LTD Umeda Center Bldg., 2-4-12, Nakazaki-Nishi,

Shinri Sada

Manager Quality Control Department 1st of May 2009

Kita-ku, Osaka, 530-8323 Japan



#### **CONTENTS**

1. SAFETY PRECAUTIONS	1
2. BEFORE INSTALLATION	2
3. SELECTING INSTALLATION SITE	3
4. PREPARATIONS BEFORE INSTALLATION	4
5. INDOOR UNIT INSTALLATION	4
6. REFRIGERANT PIPING WORK	5
7. DRAIN PIPING WORK	6
8. ELECTRIC WIRING WORK	7
9. WIRING EXAMPLE AND HOW TO SET	
THE REMOTE CONTROLLER	7
10. FIELD SETTING	10
11. TEST OPERATION	10

#### SAFETY PRECAUTIONS

Please read these "SAFETY PRECAUTIONS" carefully before installing air conditioning unit and be sure to install it correctly. After completing installation, conduct a trial operation to check for faults and explain to the customer how to operate the air conditioner and take care of it with the aid of the operation manual. Ask the customer to store the installation manual along with the operation manual for future reference.

This air conditioner comes under the term "appliances not accessible to the general public".

#### **Safety Precaution**

This unit is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Meaning of WARNING and CAUTION notices

NARNING ..... Failure to follow these instructions properly may result in personal injury or loss of life.

CAUTION .....Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.



#### - ∕!\ WARNING -

• Ask your dealer or qualified personnel to carry out installation work.

Do not attempt to install the air conditioner yourself. Improper installation may result in water leakage, electric shocks or

- Install the air conditioner in accordance with the instructions in this installation manual.
  - Improper installation may result in water leakage, electric shocks or fire.
- Consult your local dealer regarding what to do in case of refrigerant leakage. When the air conditioner is to be installed in a small room, it is necessary to take proper measures so that the amount of any leaked refrigerant does not exceed the concentration limit in the event of a leakage. Otherwise, this may lead to an accident due to oxygen depletion.

- · Be sure to use only the specified accessories and parts for installation work.
  - Failure to use the specified parts may result in the unit falling, water leakage, electric shocks or fire.
- · Install the air conditioner on a foundation strong enough to withstand the weight of the unit.
  - A foundation of insufficient strength may result in the equipment falling and causing injury.
- · Carry out the specified installation work after taking into account strong winds, typhoons or earthquakes. Failure to do so during installation work may result in the unit falling and causing accidents.
- Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local laws and regulations and this installation manual.
  - An insufficient power supply capacity or improper electrical construction may lead to electric shocks or fire.
- Make sure that all wiring is secured, the specified wires are used, and that there is no strain on the terminal connections or wires.
- Improper connections or securing of wires may result in abnormal heat build-up or fire.
- When wiring the power supply and connecting the remote controller wiring and transmission wiring, position the wires so that the electric parts box lid can be securely fastened. Improper positioning of the electric parts box lid may result in electric shocks, fire or the terminals overheating.
- If refrigerant gas leaks during installation, ventilate the area immediately.
  - Toxic gas may be produced if the refrigerant comes into contact with fire.
- · After completing installation, check for refrigerant gas leakage. Toxic gas may be produced if the refrigerant gas leaks into the room and comes into contact with a source of fire, such as a fan heater, stove or cooker.
- Be sure to switch off the unit before touching any electrical parts.
- Be sure to earth the air conditioner.
  - Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead. Imperfect earthing may result in electric shocks or fire.
  - A high surge current from lightning or other sources may cause damage to the air conditioner.
- Be sure to install an earth leakage breaker. Failure to install an earth leakage breaker may result in electric shocks or fire.

#### !\ CAUTION

- . While following the instructions in this installation manual, install drain piping to ensure proper drainage and insulate piping to prevent condensation.
  - Improper drain piping may result in indoor water leakage and property damage.
- · Install the indoor and outdoor units, power cord and connecting wires at least 1 meter away from televisions or radios to prevent picture interference and noise.
- (Depending on the incoming signal strength, a distance of 1 meter may not be sufficient to eliminate noise.)
- Remote controller (wireless kit) transmitting distance can be shorter than expected in rooms with electronic fluorescent lamps (inverter or rapid start types).
  - Install the indoor unit as far away from fluorescent lamps as possible.

- Do not install the air conditioner in the following locations:
  - 1. Where there is a high concentration of mineral oil spray or vapour (e.g. a kitchen).
    - Plastic parts will deteriorate, parts may fall off and water leakage could result.
  - 2. Where corrosive gas, such as sulphurous acid gas, is produced
    - Corroding of copper pipes or soldered parts may result in refrigerant leakage.
  - 3. Near machinery emitting electromagnetic radiation.

    Electromagnetic radiation may disturb the operation of the control system and result in a malfunction of the unit.
  - Where flammable gas may leak, where there is carbon fibre or ignitable dust suspensions in the air, or where volatile flammables such as paint thinner or gasoline are handled.
  - Operating the unit in such conditions may result in fire.
- The air conditioner is not intended for use in a potentially explosive atmosphere.

#### 2. BEFORE INSTALLATION

- When moving the unit while removing it from the carton box, be sure to lift it without exerting any pressure on other parts, especially, the refrigerant piping, drain piping, and other resin parts.
- Be sure to check the type of R410A refrigerant to be used before installing the unit. (Using an incorrect refrigerant will prevent normal operation of the unit.)
- The accessories needed for installation must be retained in your custody until the installation work is completed. Do not discard them!
- · Decide upon a line of transport.
- Leave the unit inside its packaging while moving, until reaching the installation site. Where unpacking is unavoidable, use a sling of soft material or protective plates together with a rope when lifting, to avoid damage or scratches to the unit.
- For the installation of an outdoor unit, refer to the installation manual attached to the outdoor unit.
- Do not install or operate the unit in rooms mentioned below.
  - Laden with mineral oil, or filled with oil vapor or spray like in kitchens. (Plastic parts may deteriorate which could eventually cause the unit to fall out of place, or could lead to leaks.)
  - Where corrosive gas like sulfurous gas exists. (Copper tubing and brazed spots may corrode, which could eventually lead to refrigerant leaks.)
  - Where exposed to combustible gases and where volatile flammable gas like thinner or gasoline is used.
     (Gas in the vicinity of the unit could ignite.)
  - Where machines can generate electromagnetic waves. (Control system may malfunction.)
  - Where the air contains high levels of salt such as that near the ocean and where voltage fluctuates greatly such as that in factories. Also in vehicles or vessels.
- This unit, both indoor and outdoor, is suitable for installation in a commercial and light industrial environment.
   If installed as a household appliance it could cause electromagnetic interference.

#### 2-1 PRECAUTIONS

- · Be sure to read this manual before installing the indoor unit.
- Entrust installation to the place of purchase or a qualified serviceman. Improper installation could lead to leaks and, in worse cases, electric shock of fire.

- Use only parts provided with the unit or parts satisfying required specifications. Unspecified parts could cause the unit to fall out of place, or could lead to leaks and, in worse cases, electric shock or fire.
- Ventilate the room if refrigerant gas leakage occurs during the installation work. Exposure gas to flame or hot object may result in production of toxic gases.
- When the installation work is finished, check to make certain that refrigerant gas is not leaking. Refrigerant gas leakage and its exposure to flame or hot object in fan heater, stove, cooking appliance, etc. may result in production of toxic gases.

#### 2-2 ACCESSORIES

Check the following accessories are included with your unit.

Name	Drain hose	Insulation for fitting
Quantity	1 set	1 each.
Shape	Hose × 1 Metal clamp × 1  (1) (2)	(3) For gas pipe  (4) For liquid pipe

Name	Sealing pad	Clamp
Quantity	1 pc.	8 pcs.
Shape	(5)	(6)

Name	Leveling	
Quantity	4 pcs.	
Shape	(7)	[Other] • Operation manual • Installation manual

#### 2-3 OPTIONAL ACCESSORIES

 These are two types of remote controllers: wired and wireless. Select a remote controller according to customer request and install in an appropriate place.

#### Table 1

Remote controller		
Wired type		
Wireless type	Heat pump type	
vvireiess type	Cooling only type	

#### NOTE

 If you wish to use a remote controller that is not listed in Table 1, select a suitable remote controller after consulting catalogs and technical materials.

# FOR THE FOLLOWING ITEMS, TAKE SPECIAL CARE DURING CONSTRUCTION AND CHECK AFTER INSTALLATION IS FINISHED.

#### a. Items to be checked after completion of work

If not properly done, what is likely to occur	Check
The units may drop, vibrate or make noise.	
It may result in insufficient cooling.	
Condensate water may drip.	
Condensate water may drip.	
The unit may malfunction or the components burn out.	
The unit may malfunction or the components burn out.	
Dangerous at electric leakage.	
The unit may malfunction or the components burn out.	
It may result in insufficient cooling.	
The refrigerant charge in the system is not clear.	
	is likely to occur  The units may drop, vibrate or make noise.  It may result in insufficient cooling.  Condensate water may drip.  Condensate water may drip.  The unit may malfunction or the components burn out.  The unit may malfunction or the components burn out.  Dangerous at electric leakage.  The unit may malfunction or the components burn out.  It may result in insufficient cooling.

#### b. Items to be checked at time of delivery

Also review the "SAFETY PRECAUTIONS"

Items to be checked	
Did you explain about operations while showing the instruction manual to your customer?	
Did you hand the instruction manual over to your customer?	

#### c. Points for explanation about operations

The items with  $\triangle$  WARNING and  $\triangle$  CAUTION marks in the instruction manual are the items pertaining to possibilities for bodily injury and material damage in addition to the general usage of the product. Accordingly, it is necessary that you make a full explanation about the described contents and also ask your customers to read the instruction manual.

#### 2-4 NOTE TO THE INSTALLER

Be sure to instruct customers how to properly operate the unit (especially cleaning filters, operating different functions, and adjusting the temperature) by having them carry out operations themselves while looking at the manual.

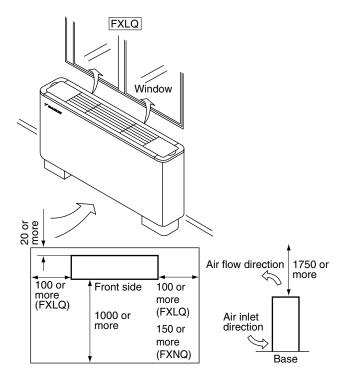
#### 3. SELECTING INSTALLATION SITE

- Select an installation site where the following conditions are satisfied and that meets with your customer's approval.
  - Where the floor is strong enough to dear the indoor unit weight.
  - Where the floor is not significantly inclined.
  - · Where nothing blocks the air passage.
  - Where condensate can be properly drained.
  - Where sufficient clearance for installation and maintenance can be ensured.
  - · Where optimum air distribution can be ensured.
  - Where there is no risk of flammable gas leakage.
  - Where piping between indoor and outdoor units is possible within the allowable limit. (Refer to the installation manual of the outdoor unit.)

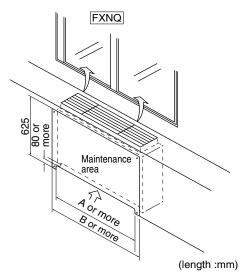
#### 

 Install the indoor and outdoor units, power supply wiring and connecting wires at least 1 meter away from televisions or radios in order to prevent image interference or noise.

(Depending on the radio waves, a distance of 1 meter may not be sufficient enough to eliminate the noise.)



(length: mm)

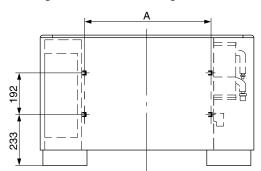


(IMPORTANT) Leave sufficient clearance for air inlet and maintenance.

Model		A (mm)	B (mm)
FXLQ20 · 25M(A)VE	FXNQ20 · 25M(A)VE	570	1030
FXLQ32 · 40M(A)VE	FXNQ32 · 40M(A)VE	710	1170
FXLQ50 · 63M(A)VE	FXNQ50 · 63M(A)VE	990	1450

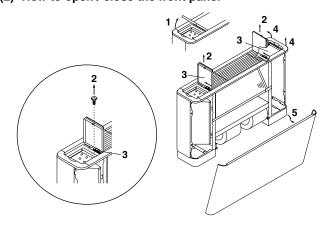
#### 4. PREPARATIONS BEFORE INSTALLA-TION

#### (1) Positioning of holes for fastening to the wall



Model	A (mm)
FXNQ20 · 25M(A)VE	590
FXNQ32 · 40M(A)VE	730
FXNQ50 · 63M(A)VE	1010

#### (2) How to open / close the front panel

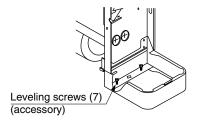


- 1. Open the lid of control panel (both left and right)
- 2. Remove screws (both left and right) that lock the knobs in position.
- 3. Push the knobs (both left and right) to the rear.
- 4. Lift the front of the top plate.
- 5. Lower the front panel towards the front of the unit.
- To close, perform the procedure in opposite order. Pull towards the front unit the knob snaps in place.

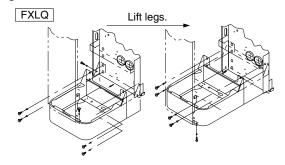
#### 5. INDOOR UNIT INSTALLATION

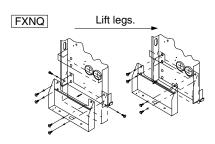
As for the parts to be used for installation work, be sure to use the provided accessories and specified parts designated by our company.

 Level the indoor unit with the leveling screws (7). If the floor is too uneven to level the unit, place the unit on a flat base and level.



- (2) If the unit is in danger of falling over, either fasten to the wall using the holes provided, or fasten to the floor with an optional floor fastener.
- (3) The legs can be retracted if the indoor unit is to be hung on a wall. To do so, lift the legs as shown in the figure below.





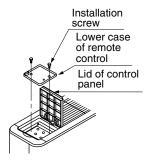
#### NOTES TO

- Use the installation mount for installation. Check whether the wall is strong enough to bear the weight of the unit or not. if there is a risk, reinforce the wall before installing the unit
- 2. The unit requires a minimum 100 mm clearance on the underside for air intake. Also, ensure the unit is level when installed so that drainage flows smoothly. if inclined, water can leak.
- 3. By a state of the wall, operating sound may become bigger.

- (4) Use the following procedure to mount the remote controller (optional accessory) on the unit is so desired. (FXLQ type only)
  - Open the left side lid of control panel and mount the lower case on the remote controller.

#### NOTE T

See the accessory instruction procedure for instructions on screw fastening and wiring for the remote controller.



#### CAUTION -

Setting the unit at an angle opposite to the drain piping might cause leaks.

#### 6. REFRIGERANT PIPING WORK

(For refrigerant piping of outdoor units, see the installation manual attached to the outdoor unit.)

(Execute heat insulation work completely on both sides of the gas piping and the liquid piping. Otherwise, a water leakage can result sometimes.

(When using a heat pump, the temperature of the gas piping can reach up to approximately 120°C, so use insulation which is sufficiently resistant.)

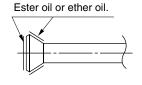
(Also, in cases where the temperature and humidity of the refrigerant piping sections might exceed 30°C or RH80%, reinforce the refrigerant insulation. (20 mm or thicker) Condensation may form on the surface of the insulating mate-

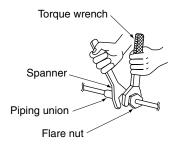
(Before refrigerant piping work, check which type of refrigerant is used. Proper operation is not possible if the types of refrigerant are not the same.

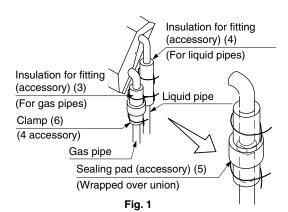
#### ✓!\ CAUTION -

- · Use a pipe cutter and flare suitable for the type of refrigerant.
- · Apply ester oil or ether oil around the flare portions before connecting.
- · To prevent dust, moisture or other foreign matter from infiltrating the tube, either pinch the end or cover it with tape.
- Do not allow anything other than the designated refrigerant to get mixed into the refrigerant circuit, such as air, etc. If any refrigerant gas leaks while working on the unit, ventilate the room thoroughly right away.
- · Do not allow air, etc., to become mixed with the specified refrigerant inside the refrigeration cycle.
- The outdoor unit is charged with refrigerant.
- Be sure to use both a spanner and torque wrench together, as shown in the drawing, when connecting or disconnecting pipes to/from the unit.
- To prevent flare nut cracking and gas leaks, be sure to use both a spanner and torque wrench together, as shown in the drawing, when connecting or disconnecting pipes to / from the unit.
- Refer to Table 2 for the dimensions of flare nut spaces.

- When connecting the flare nut, coat the flare section (both inside and outside) with ester oil or ether oil, rotate three or four times first, then screw in.
- Refer to the Table 2 for tightening torque.
- Wrap only the gas line side with the sealing pad (5). Bend the pad over the insulation for fitting (union) from above.
- · After inspecting pipe joints for gas leakage, be sure to insulate with the accessory joint insulation for fitting (3) (4) while referring to the figure on the next page. (Fasten both ends with clamps (6))







#### - /!\ CAUTION -

Setting the unit at an angle opposite to the drain piping might cause leaks.

Use "Table 3" as a reference if a torque wrench is not available. Once work is complete, make sure there is no gas leaking. As the flare nut is tightened with the wrench, the torque will suddenly increase. From that position, tighten the nut to the angle shown on "Table 3".

- Make absolutely sure to execute heat insulation works on the pipe-connecting section after checking gas leakage by thoroughly studying the following figure and using the attached heat insulating materials for fitting (3) and (4). (Fasten both ends with the clamps (6) (accessory).) (Refer to Fig. 1)
- Wrap the sealing pad (5) (accessory) only around the insulation for the joints on the gas piping side.



#### - 🔼 CAUTION -

Be sure to insulate any field piping all the way to the piping connection inside the unit. Any exposed piping may cause condensation or burns if touched.

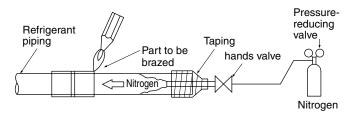
#### — ♠ CAUTION

#### CAUTION TO BE TAKEN WHEN BRAZING REFRIGER-ANT PIPING

Do not use flux when brazing refrigerant piping. Therefore, use the phosphor copper brazing filler metal (BCuP-2: JIS Z 3264/B-Cu93P-710/795: ISO 3677) which does not require flux

(Flux has extremely harmful influence on refrigerant piping systems. For instance, if the chlorine based flux is used, it will cause pipe corrosion or, in particular, if the flux contains fluorine, it will damage the refrigerant oil.)

- Before brazing local refrigerant piping, nitrogen gas shall be blown through the piping to expel air from the piping.
   If your brazing is done without nitrogen gas blowing, a large amount of oxide film develops inside the piping, and could cause system malfunction.
- When brazing the refrigerant piping, only begin brazing after having carried out nitrogen substitution or while inserting nitrogen into the refrigerant piping. Once this is done, connect the indoor unit with a flared or a flanged connection.
- Nitrogen should be set to 0.02 MPa with a pressure-reducing valve if brazing while inserting nitrogen into the piping.



#### NOTE

# The flare nuts used must be those included with the main body.

• Refer to Table 2 for tightening torque.

Table 2

Pipe size	Tightening torque	Flare dimensions A (mm)	Flare shape
φ 6.4 (1/4")	14.2 – 17.2N·m	8.7 – 9.1	
φ 9.5 (3/8")	32.7 – 39.9N·m	12.8 – 13.2	R 0.4 ~ 0.8
φ 12.7 (1/2")	49.5 – 60.3N·m	16.2 – 16.6	900
φ 15.9 (5/8")	61.8 – 75.4N·m	19.3 – 19.7	, , , , , , , , , , , , , , , , , , ,

#### Not recommendable but in case of emergency

You must use a torque wrench but if you are obliged to install the unit without a torque wrench, you may follow the installation method mentioned below.

# After the work is finished, make sure to check that there is no gas leak.

When you keep on tightening the flare nut with a spanner, there is a point where the tightening torque suddenly increases. From that position, further tighten the flare nut the angle shown below:

Table 3

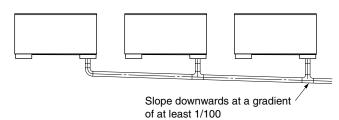
Pipe size	Further tightening angle	Recommended arm length of tool
φ 6.4 (1/4")	60 to 90 degrees	Approx. 150mm
φ 9.5 (3/8")	60 to 90 degrees	Approx. 200mm
ф 12.7 (1/2")	30 to 60 degrees	Approx. 250mm
ф 15.9 (5/8")	30 to 60 degrees	Approx. 300mm

#### 7. DRAIN PIPING WORK

⟨⟨Rig the drain pipe as shown below and take measures against condensation. Improperly rigged piping could lead to leaks and eventually wet furniture and belongings.⟩⟩

(1) Carry out the drain piping Drip pan Connect the drain hose (1) using the attached hose and parts, as Metal clamp (accessory) (2) shown in the right drawing. Drain hose (accessory) (1) Piping process inside unit 50 or more 3/4 B drain pipe Cut to suitable length (length: mm)

If converging multiple drain pipes, install according to the procedure shown below.



Select converging drain pipes whose gauge is suitable for the operating capacity of the unit.

- (2) After piping work is finished, check drainage flows smoothly.
  - Add approximately 1 liter of water slowly from the air outlet and check drainage flow.
- (3) Be sure to insulate all indoor pipes

#### -extstyle extstyle extstyle

- Drain piping connections
  - Do not connect the drain piping directly to sewage pipes that smell of ammonia. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger.
- Keep in mind that it will become the cause of getting drain pipe blocked if water collects on drain pipe.

#### 8. ELECTRIC WIRING WORK

#### 8-1 GENERAL INSTRUCTIONS

- All field supplied parts and materials, electric works conform to local codes.
- · Use copper wire only.
- Follow the "WIRING DIAGRAM" attached to the unitbody to wire the outdoor unit, indoor units and the remote controller.
   For details on hooking up the remote controller, refer to the "INSTALLATION MANUAL OF REMOTE CONTROLLER."
- All wiring must be performed by an authorized electrician.
- This system consists of multiple indoor units. Mark each indoor unit as unit A, unit B..., and be sure the terminal board wiring to the outdoor unit and BS unit are properly matched. If wiring and piping between the outdoor unit and an indoor unit are mismatched, the system may cause a malfunction.
- A circuit breaker capable of shutting down the power supply to the entire system must be installed.
- Refer to the installation manual attached to the outdoor unit for the size of power supply wiring connected to the outdoor unit, the capacity of the circuit breaker and switch, and wiring instructions.
- · Be sure to ground the air conditioner.
- Do not connect the ground wire to gas and water pipes, lightning rods, or telephone ground wires.
  - Gas pipes: might cause explosions or fire if gas leaks.
  - Water pipes: no grounding effect if hard vinyl piping is used.
  - Telephone ground wires or lightning rods: might cause abnormally high electric potential in the ground during lighting storms.

#### 8-2 ELECTRICAL CHARACTERISTICS

Units			Power supply		Fan motor		
Model	Hz	Volts	Voltage range	MCA	MFA	kW	FLA
FXLQ20 · 25M(A)VE, FXNQ20 · 25M(A)VE				0.3	15	0.015	0.2
FXLQ32 · 40M(A)VE, FXNQ32 · 40M(A)VE	50	220- 240		0.6	15	0.025	0.5
FXLQ50 · 63M(A)VE, FXNQ50 · 63M(A)VE				0.6	15	0.035	0.5
FXLQ20 · 25M(A)VE, FXNQ20 · 25M(A)VE		220	Max. 242 Min. 198	0.3	15	0.015	0.2
FXLQ32 · 40M(A)VE, FXNQ32 · 40M(A)VE	60			0.5	15	0.025	0.4
FXLQ50 · 63M(A)VE, FXNQ50 · 63M(A)VE				0.6	15	0.035	0.5

MCA: Min. Circuit Amps (A); MFA: Max. Fuse Amps (A) kW: Fan Motor Rated Output (kW); FLA: Full Load Amps (A)

# 8-3 SPECIFICATIONS FOR FIELD SUPPLIED FUSES AND WIRE

	Power supply wiring			Remote controller wiring Transmission wiring		
Model	Field fuses	Wire	Size	Wire	Size	
FXLQ20 · 25 · 32 · 40 · 50 · 63M(A)VE	15A	H05VV	Size must comply with local codes.	Sheathed wire	0.75 - 1.25	
FXNQ20 · 25 · 32 · 40 · 50 · 63M(A)VE	13A	-U3G		(2 wire)	mm²	

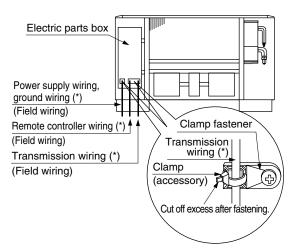
#### NOTE TO

- Allowable length of transmission wiring between indoor / outdoor units and between the indoor unit and the remote controller is as follows.
  - (1) Outdoor unit Indoor unit:Max. 1000 m (Total wiring length: 2000 m)
  - (2) Indoor unit Remote controller: Max. 500 m

#### 9. WIRING EXAMPLE AND HOW TO SET THE REMOTE CONTROLLER

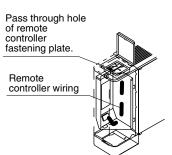
#### 9-1 HOW TO CONNECT WIRINGS

· Remove the electric parts box lid and connect the wiring.

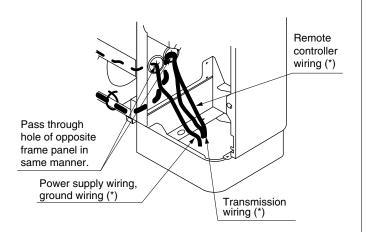


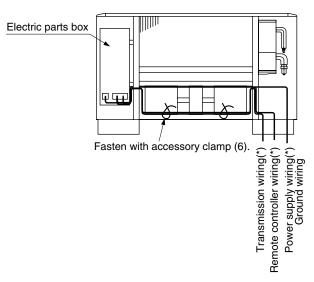
#### NOTE T

- For electric parts box wiring, also see "Electric Wiring Diagram" label.
- Remote controller wiring, transmission wiring
   Do not confuse the two when connecting to the terminal block for remote controller.
- Fasten the wiring with accessory clamp (6).
- If mounting a remote controller on the unit, wire as shown in the figure on the right.



 If wiring from the piping side, wire as shown in the figure below.



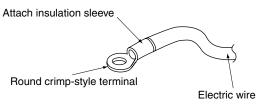


#### 

- Be sure to attach the sealing material or putty (field supplied) to hole of wiring to prevent the infiltration of water as well as any insects and other small creatures from outside. Otherwise a short-circuit may occur inside the electric parts box.
- When clamping the wires, be sure no pressure is applied to the wire connections by using the included clamping material to make appropriate clamps. Also, when wiring, make sure the lid on the electric parts box fits snugly by arranging the wires neatly and attaching the electric parts box lid firmly. When attaching the electric parts box lid, make sure no wires get caught in the edges. Pass wiring through the wiring through holes to prevent damage to them.
- Make sure the remote controller wiring, the wiring between the units, and other electrical wiring do not pass through the same locations outside of the unit, separating them by at least 50mm, otherwise electrical noise (external static) could cause mistaken operation or breakage.

#### [ PRECAUTIONS ]

- Use round crimp-style terminals for connecting wires to the power supply terminal block.
  - If unavailable, observe the following points when wiring.
  - Do not connect wires of different gauge to the same power supply terminal.
    - (Looseness in the connection may cause overheating.)
  - Use the specified electric wire. Connect the wire securely to the terminal. Lock the wire down without applying excessive force to the terminal. (Tightening torque: 131N·cm ±10 %)



- 2. Tightening torque for the terminal screws.
  - Use the correct screwdriver for tightening the terminal screws. If the blade of screwdriver is too small, the head of the screw might be damaged, and the screw will not be properly tightened.
  - If the terminal screws are tightened too hard, screws might be damaged.
  - Refer to the table below for the tightening torque of the terminal screws.

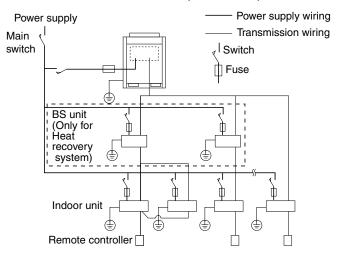
Terminal		Tightening torque	
Terminal block for remote controller (6P)	M3.5	0.79 − 0.97N·m	
Power supply terminal block (2P)	M4	1.18 – 1.44N⋅m	
Ground terminal	M4	1.44 – 1.94N⋅m	

- Do not connect wires of different gauge to the same grounding terminal. Looseness in the connection may deteriorate protection.
- 4. Outside of the unit, keep transmission wiring at least 50 mm away from power supply wiring. The equipment may malfunction if subjected to electrical (external) noise.
- For remote controller wiring, refer to the "INSTALLATION MANUAL OF REMOTE CONTROLLER".
- 6. Never connect power supply wiring to the terminal block for remote controller wiring. A mistake of the sort could damage the entire system.
- 7. Use only specified wire and tightly connect wires to terminals. Be careful wires do not place external stress on terminals. Keep wiring in neat order and so as not to obstruct other equipment such as popping open the electric parts box lid. Make sure the lid closes tight. Incomplete connections could result in overheating, and in worse case, electric shock or fire.

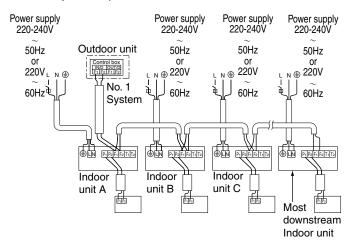
#### 9-2 WIRING EXAMPLE

 Fit the power supply wiring of each unit with a switch and fuse as shown in the drawing.

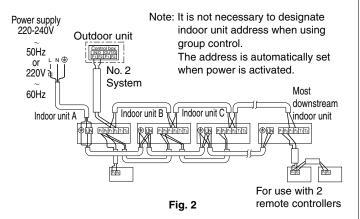
#### **COMPLETE SYSTEM EXAMPLE (3 SYSTEMS)**



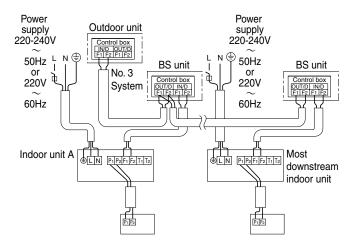
## When using 1 remote controller for 1 indoor unit. (Normal operation)



#### 2. For group control or use with 2 remote controllers



#### 3. When including BS unit



#### [ PRECAUTIONS ]

- A single switch can be used to supply power to units on the same system. However, branch switches and branch circuit breakers must be selected carefully.
- Do not ground the equipment on gas pipes, water pipes or lightning rods, or crossground with telephones. Improper grounding could result in electric shock.

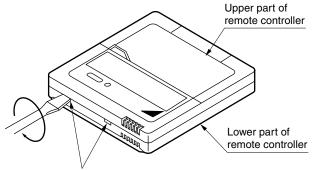
# 9-3 CONTROL BY 2 REMOTE CONTROLLERS (Controlling 1 indoor unit by 2 remote controllers)

 When using 2 remote controllers, one must be set to "MAIN" and the other to "SUB".

#### MAIN/SUB CHANGEOVER

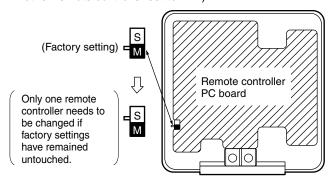
(1) Insert a 
screw driver into the recess between the upper and lower part of remote controller and, working from the 2 positions, pry off the upper part.

The remote controller PC board is attached to the upper part of remote controller.



Insert the screwdriver here and gently work off the upper part of remote controller.

(2) Turn the MAIN/SUB changeover switch on one of the two remote controllers PC board to "S". (Leave the switch of the other remote controller set to "M".)



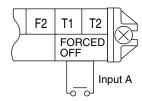
#### Wiring Method (See "ELECTRIC WIRING WORK")

- (3) Remove the electric parts box lid
- (4) Add remote control 2 (slave) to the terminal block for remote controller (P<sub>1</sub>, P<sub>2</sub>) in the terminal box. (There is no polarity.) (Refer to Fig. 2 and 8-3.)

# 9-4 COMPUTERISED CONTROL (FORCED OFF AND ON/OFF OPERATION)

#### (1) Wire specifications and how to perform wiring

 Connect input from outside to terminals T1 and T2 of the terminal block for remote controller.



Wire specification	Sheathed vinyl cord or cable (2 wire)
Gauge	0.75 - 1.25 mm <sup>2</sup>
Length	Max. 100 m
External terminal	Contact that can ensure the minimum applicable load of 15 V DC, 10 mA.

#### (2) Actuation

 The following table explains FORCED OFF and ON/OFF OPERATIONS in response to input A.

FORCED OFF	ON/OFF operation
Input "ON" stops operation (impossible by remote controllers).	Input OFF → ON turns ON unit.
Input OFF enables control by remote controller.	Input ON → OFF turns OFF unit.

#### (3) How to select FORCED OFF and ON/OFF

 Turn the power on and then use the remote controller to select operation.

#### 9-5 CENTRALIZED CONTROL

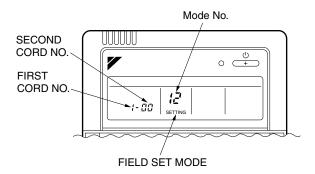
 For centralized control, it is necessary to designate the group No. For details, refer to the manual of each optional controllers for centralized control.

#### 10. FIELD SETTING

Make sure the electric parts box lids are closed on the indoor and outdoor units.

Field setting must be made from the remote controller in accordance with the installation condition.

- Setting can be made by changing the "Mode No.", "FIRST CODE NO.", and "SECOND CODE NO.".
- For setting and operation, refer to the "FIELD SETTING" in the installation manual of the remote controller.



- Set the remote controller to the field set mode. For details, refer to the "HOW TO SET IN THE FIELD", in the remote controller manual.
- When in the field set mode, select mode No. 12, then set the first code (switch) No. to "1". Then set second code (position) No. to "01" for FORCED OFF and "02" for ON / OFF OPERATION. (FORCED OFF at factory set)

#### 11. TEST OPERATION

Refer to the installation manual of the outdoor unit.

• The operation lamp of the remote controller will flash when an malfunction occurs. Check the malfunction code on the liquid crystal display to identify the point of trouble. An explanation of malfunction codes and the corresponding trouble is provided in "CAUTION FOR SERVICING" of the outdoor unit. If any of the items in Table 4 are displayed, there may be a problem with the wiring or power, so check the wiring again.

Table 4

Remote control display	Content
"Concentrated Management" is lit up	There is a short circuit at the FORCED OFF terminals (T1, T2)
"U4" is lit up "UH" is lit up	The power on the outdoor unit is off. The outdoor unit has not been wired for power supply. Incorrect wiring for the transmission wiring and / or FORCED OFF wiring.
No display	The power on the indoor unit is off. The indoor unit has not been wired for power supply. Incorrect wiring for the remote controller wiring, the transmission wiring and / or the FORCED OFF wiring.