#### MITSUBISHI ELECTRIC CITY MULTI Control System **ME Remote Controller**

CE PAR-F27MEA

Installation Manual

nis manual describes installation of the ME remote controller that connoroughly and install the remote controller accordingly. For information o anual for them.	nects to CITY MULTI air conditioner indoor unit. Please read this manual on how to wire and install the air conditioning units, refer to the installation	
<b>1</b> Safety Precautions		<ul> <li>① Wiring fro</li> <li>• Connect</li> <li>• The term</li> </ul>
Read these Safety Precautions and perform installation work according The following two symbols are used to dangers that may be caused by	gly. incorrect use and their degree:	<ul> <li>The term</li> <li>② Operating</li> <li>Match th</li> </ul>
WARNING This symbol denotes what could lead to serious	injury or death if you misuse the PAR-F27MEA.	The mas Set the r
After reading this installation manual, give it and the indoor unit installation	tion manual to the end user.	③ The master of indoor u
or repairs the PAR-F27MEA, make sure that this manual is forwarded to	o the end user.	Connect     Be sure     Set the
Ask your dealer or technical representative to install the unit.	Ensure that installation work is done correctly following this installa-	
Any deficiency caused by your own installation may result in an electric shock or fire.	tion manual. Any deficiency caused by installation may result in an electric shock or fire.	
PAR-F27MEA. Any lack of strength may cause the PAR-F27MEA to fall down, resulting in	ing to local regulations and the instructions given in this manual. Any lack of electric circuit or any deficiency caused by installation may result	④ To interloo
Firmly connect the wiring using the specified cables. Carefully check	in an electric shock or fire.  Do not move and re-install the PAR-F27MEA yourself.  Any definitence encoded by installation may result in an electric aback or fire.	Set the L
Improper wiring connections may produce heat and possibly a fire.	Any deliciency caused by installation may result in an electric shock of life. Ask your distributor or special vendor for moving and installation.	5 You have
Any deficiency caused by your modification or repair may result in an electric shock or fire.		2. When groupi
Consuit with your dealer about repairs.	UTION	Outdoor un
Do not install in any place exposed to flammable gas leakage.	Use standard wires in compliance with the current capacity.	
an explosion.	Do not touch any PCB (Printed Circuit Board) with your hands or with tools. Do not allow dust to collect on the PCB.	
Using in any place exposed to oil (including machine oil), steam and sulfuric gas may deteriorate the performance significantly or give damage to the com-	Doing so may cause fire or an electric shock. Do not remove the insulation sheet on the PCB.	
Wire so that it does not receive any tension.           Tension may cause wire breakage, heating or fire.	Doing so may cause an electric shock.         Do not touch any control button with your wet hands.	
Completely seal the wire lead-in port with putty etc. Any dew, moisture, insects entering the unit may cause an electric shock or a	Doing so may cause an electric shock or a malfunction. Do not press any control button using a sharp object. Doing so may cause an electric shock or a malfunction	
Do not wash with water.	Never contact the power supply with the control wiring terminals.           Doing so will certainly cause the controller to catch fire.	
Doing so may cause an electric shock or a malfunction.	When installing the remote controller in a hospital or communication facility, take ample countermeasures against noise.	
Do not install in any steamy place such a bathroom or kitchen. Avoid any place where moisture is condensed into dew. Doing so may cause	Inverters, emergency power supply generators, high-frequency medical equip- ment, and wireless communication equipment can cause the remote control- ler to malfunction or to fail. Radiation from the remote controller may effect	
an electric shock or a malfunction. Do not install in any place where acidic or alkaline solution or special	communication equipment and prevent medial operations on the human body or interfere with image transmission and cause noise.	<ol> <li>Wiring from</li> </ol>
spray are often used. Doing so may cause an electric shock or malfunction.		<ul><li>② Operating</li><li>• Match th</li></ul>
		The mas Set the r
2 Confirming the Supplied Parts	<b>S</b> )	(3) A master of indoor (
nfirm that the box includes the following parts, in addition to this in 1. Remote controller (cover, body)	nstallation manual:	<ul> <li>(a) To interior</li> <li>(b) Set a grou</li> <li>However.</li> </ul>
<ol> <li>Remote control cord (10 m)</li> <li>Cross recessed pan head screw (M4 × 30)</li></ol>		do not hav 6 You have
<ol> <li>4. wood screw (4.1 × 16, used for directly nooking to the wall)</li> <li>5. Instruction book</li></ol>	1 Remote controller cover Remote controller case	NOTE: When
	1	
NOTE: If you need to use a cable extension longer than 10 m, select	an electric wire that meets the following specifications:	4. Install the low
Wire specification CVV (2-core): 1.25 mm <sup>2</sup> or equivalent * CVV is a control cable which is sheathed in polyvinyl chloride with pc	blyvinyl insulated wires inside.	
1 How To Install	– Extra space	
TIOW TO TIStall	controller	Seal the remote lead-in hole wit
Be sure to observe the following steps: (1) Temperature sensors are provided with both the remote controller a	and the indoor units. When using the	(See 2 above)
remote controller temperature sensor, the master remote contro Install the master remote controller in a place where the average	room temperature can be detected 30 mm	
and which is not affected by any heat source from direct sunlight or a (For how to set the master and subordinate remote controller, see s	air blown from air conditioning units. tep 6 in section 4 How To Install).	- Fasi - Whe
For how to set the temperature sensor, refer to the CITY MULTI in (2) When installing on either the switch box or the wall, allow extra spa	door unit installation manual.)	5. Connect the
shown in the figure at the right. (When using the remote controller in combination with a Program	m timer, refer to the Program timer	
	· · · · · · · · · · · · · · · · · · ·	
NOTE: Make sure that there is no wiring or wire near the remote contro temperature.	oller sensor. If there is, the remote controller cannot detect the exact room	
<ul><li>(3) Parts which must be supplied on site.</li><li>Switch box for two units</li></ul>		6. Set the remo
<ul><li>Inin-copper wiring pipe</li><li>Lock nut and bushing</li></ul>		
	$\begin{bmatrix} 102 \\ \bullet \end{bmatrix}$	
Seal the remote controller cord with putty in order to provent the	nossible entry of dew water dronlets, cockroaches, other incosts, etc.	
When using the switch box • When installing on the switch box seal the connections	When installing directly on the wall  • When opening a hole using a drill for the remote controllor cord (or	
between the switch box and wiring pipe with putty.	when taking the cord out of the back of the remote controller), seal the hole with putty.	
Wiring	<ul> <li>When routing the cord via the portion cut off from the upper cover, similarly seal that portion with putty.</li> </ul>	7. Wiring hole f
Wall Lock nut	Remote control cord .	Cut off the s     Take out the
Buchica Switch box	Seal around here	8. Install the co First, hook the
Seal around here with putty.		
Cord	For taking cord out from back of	
Remove the remote controller cover.	For taking cord out of top of remote controller	
Insert a slotted screwdriver into one of the open slots and move	the screwdriver in the arrow direction.	NOTE: A prot
	All and a second s	9. Affix a cautio A caution labe
		you use the re
- V		
CAUTION Do not into turn the screwdriver in the slot. Doing so	may damage the slot.	• The extrior des
		When connectir 5-core cable is
		<ul> <li>To route the cal</li> </ul>



when expansion is expected, take into consideration remote con
For the operation method details, refer to the Program timer insta

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	display show the display r	wn below a returns to ②	ppears. If th GROUP F	ne button is pres REGISTRATION	sed again,
		 •	"    a	INDOOR UNIT AD INTERLOCKED UN Ire displayed at the	DRESS" and NT ADDRESS same time
"INDOC ADDRE	DR UNIT "INTE SS" UNIT	ERLOCKED ADDRESS"		To confirm the a to "(2) Registe confirmation".	ddresses, go red address
0	Displaying a	ddress No.	of LOSSN/	AY and any indo	or unit ad-
	- Press the © DRESS NO	) [TEMP. (▽ ." decreases	) and (△)] b and increa	uttons. "INDOOF ses. Set it to the	UNIT AD- indoor unit
	- Press the ( LOCKED UI it to the LOS	∋ [Time sel NIT ADDRE SSNAY addr	ection (▽) SS NO." de ress No. you	and (△)] buttons creases and incr J want to interloc	s. "INTER- eases. Set k.
	<b>- 0</b> 0	10			
8	<ul> <li>Register to in</li> <li>Press the D and the ind DRESS" and UNIT ADDR</li> <li>The above LOSSNAY a door unit ad</li> </ul>	nterlock LC ) [TEST] but oor unit be d the LOSSN RESS" are in can also be address at "IN	DSSNAY with ton. The dis ing displaye JAY being di nterlocked. e registered INDOOR UI ITERLOCKI	th indoor unit. play shown belor ed at "INDOOR splayed at "INTE similarly by disp NIT ADDRESS" ED UNIT ADDRE	w appears, UNIT AD- RLOCKED blaying the and the in- SS".
	(Alternate	display)		If registration is co normally, the displi shown in the figure If a registration err " 88 " will flash. (It	mpleted ay alternates a at the left. or occurs, dicates that th
				unit does not exist	)
NOTE	Interlock all the locked, the LC	ne units in a DSSNAY wil	group with Il not operat	the LOSSNAY. I e.	f not inter-
					5
(B) W	hen deleting in	terlocked re	gistration	Ţ	7
	00 1			When deletion normally, " " is	was complete displayed at th
	(Alternate	display) ↑		If a deletion e "88" is displaye display. In this o operations desc	rror occurre d at the unit typ ase, repeat th ribed above.

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- Press the 🌀 [Mode selection (| 🔄 🔩 🔅 🏷 ()] button. The

(B) Interlock registration

Displaying "INTERLOCK REGISTRATION"

(4) (A) Group registration and (B) Interlock registration of another group using an arbitrary remote controller (A) Group registration and (B) Interlock registration of another group can be performed using an arbitrary remote controller. For a description of the operation procedure, see "(B) Interlock registration" of section 6 Group registration and interlocked registration).

Indoor unit address ........ Indoor unit address No. which is interlocked with LOSSNAY

#### 7 Remote controller functions selection

In the remote controller function selection mode, three functions can be selected and changed. Select and change these functions, as required. For the operating instructions refer to "(6) How to select the remote controller functions" of (3 How to Operate) in Instruction Book.

- When the AUTO mode was selected with the remote controller, the indoor unit is judged from the room temperature and heating or cooling is performed automatically. In this case, "AUTO" "COOLING" or "AUTO" "HEATING" is displayed at the remote controller. However, only "AUTO" without
- (B) Room temperature display selection mode (Room temperature display/no display selection) Normally, the intake air temperature is displayed at the remote controller. However, no display can also be selected.
- Ordinarily, the set temperature can be freely set over the 19 °C to 30 °C range for cooling and dry and the 17 °C to 28 °C range for heating. However, for cooling and dry, the lower limit temperature and for heating, the upper limit temperature can be limited to a preset temperature. If the set temperature range is made higher for cooling and dry and is set lower for heating by this method, excessive cooling and heating can be prevented

CAUTION When the normal set temperature adjustment range was changed using a remote controller connected to a simultaneous cooling/heating air condition with an AUTO mode, the AUTO mode cannot be selected with the [Mode selection] button.

	Repeat steps ⑦ and ⑧ above to interlock all the indoor units     in a group with the LOSSNAY.
(C) Returning to the normal state When all the group registration and interlock registration operations	To return to the normal state, To confirm the addresses, go
are completed, return to the normal state as described below.	go to step 10. to "(2) Registered address con- firmation".
(2) Registered address confirmation Display the indoor unit address No. registered in the remote con- troller by performing steps ① and ②.	
(A) Group registration information confirmation	(B) Interlocked registration information confirmation
<ul> <li>⑦ Displaying "GROUP REGISTRATION"</li> <li>Each time you press the € [Timer selection (☉)] button, the registered indoor unit address No. and unit type are displayed.</li> <li><registered></registered></li> </ul>	<ul> <li>Ø Display the indoor unit address No. you want to confirm.</li> <li>Press the ⊕ [Time selection (▽) and (△)] buttons. The interlocked unit address decreases and increases. Set it to the indoor unit address No. you want to confirm.</li> </ul>
<pre></pre>	The above can also be confirmed similarly by displaying the LOSSNAY address at the interlocked unit address.
	<ul> <li>Ø Displaying the LOSSNAY address No. interlocked at step Ø.</li> <li>Press the € [Timer selection (④)] button. The interlocked LOSSNAY address No. and indoor unit address No. are alternately displayed.</li> </ul>
<ul> <li>When there is one registration, one address No. is displayed no matter how many times the button is pressed.</li> <li>When there are multiple registrations (ex: "011", "012", "013", the address No. ) are displayed in 011 012 012 order each</li> </ul>	
time the $(E)$ [Timer selection $(O)$ ] button is pressed.	Address of unit that is (Alternate display)
To delete an address, go to "(3) Address deletion".	<ul> <li>Displaying another registered unit address No.</li> <li>After step (3), press the (E) [Timer selection (C)] button again. Another registered unit address No. is displayed.</li> </ul>
Λ	Address of another registered unit (Alternate display)
To return to the normal state, go to step <sup>(10)</sup> .	
	To delete an address, go to "(3) Address deletion".
(3) Address deletion Group registration information deletion deletes the indoor units registere	ed in the remote controller.
Interlocked registration information deletion deletes the interlock betwee	
Both deletion operations perform the address confirmation processing of displayed.	en units. of (2) and are performed in the state in which the unit you want to delete was
<ul> <li>Both deletion operations perform the address confirmation processing of displayed.</li> <li>⑦ Deleting registered indoor unit or interlock between units.         <ul> <li>Press the (F) [Time selection(② QOGK=QN=QF)] button two times in succe deleted.</li> <li>When the information is deleted, the display shown below appears.</li> </ul> </li> </ul>	en units. of (2) and are performed in the state in which the unit you want to delete was cession. The displayed indoor unit address or the interlock between units is
Both deletion operations perform the address confirmation processing of displayed. (D) Deleting registered indoor unit or interlock between units. - Press the (F) [Time selection((② QOCK-ONHOFF)] button two times in succe deleted. When the information is deleted, the display shown below appears.	en units. of (2) and are performed in the state in which the unit you want to delete was cession. The displayed indoor unit address or the interlock between units is 6
Both deletion operations perform the address confirmation processing of displayed.         Image: Deleting registered indoor unit or interlock between units.         - Press the (F) [Time selection(@ QOCK-OK-OFF)] button two times in succedeleted.         When the information is deleted, the display shown below appears.         8       Test Run	en units. of (2) and are performed in the state in which the unit you want to delete was cession. The displayed indoor unit address or the interlock between units is
Both deletion operations perform the address confirmation processing of displayed. <b>Deleting registered indoor unit or interlock between units.</b> • Press the (F) [Time selection(④ @ @@@==0H=0F)] button two times in succe deleted. <b>When the information is deleted, the display shown below appears. B Test Run</b> 1. Before making a test run, refer to the "Test Run" section of the indoor un 2. Press the [TEST] button twice successively within three seconds. Test ru                 Stop the test run by pressing the [ON/OFF] button.	en units. of (2) and are performed in the state in which the unit you want to delete was cession. The displayed indoor unit address or the interlock between units is
Both deletion operations perform the address confirmation processing of displayed. <b>Deleting registered indoor unit or interlock between units.</b> • Press the (F) [Time selection(② QOX-ON-OFF)] button two times in succe deleted.                 When the information is deleted, the display shown below appears.                 B Test Run                 1. Before making a test run, refer to the "Test Run" section of the indoor unit 2. Press the [TEST] button twice successively within three seconds. Test run 3. Stop the test run by pressing the [ON/OFF] button.                 4. If trouble occurred during the test run, refer to the "Test Run" section of the "Operation mode"	en units. of (2) and are performed in the state in which the unit you want to delete was cession. The displayed indoor unit address or the interlock between units is 6 nit installation manual. un starts. the indoor unit installation manual. e display
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<ul> <li>Both deletion operations perform the address confirmation processing of displayed.</li> <li> <b>Deleting registered indoor unit or interlock between units.</b> </li> <li>             Press the (F) [Time selection( (C) QUOK-ON-OFF)] button two times in succedeleted.               When the information is deleted, the display shown below appears.      </li> <li>             Before making a test run, refer to the "Test Run" section of the indoor units.         </li> <li>             Press the [TEST] button twice successively within three seconds. Test run.      </li> <li>             Stop the test run by pressing the [ON/OFF] button.         </li> <li>             If trouble occurred during the test run, refer to the "Test Run" section of the indoor units.         </li> </ul> <li>             Press the [TEST] button twice successively within three seconds. Test run.         </li> <li>             If trouble occurred during the test run, refer to the "Test Run" section of the indoor units of the indoor units is deleted.         </li> <li>             If trouble occurred during the test run, refer to the "Test Run" section of the indoor units of the indoor units is deleted.         </li>	en units. of (2) and are performed in the state in which the unit you want to delete was cession. The displayed indoor unit address or the interlock between units is <b>6</b> hit installation manual. un starts. the indoor unit installation manual. e display trun after two hours. ure monitoring address no. ure display RUN".
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<ul> <li>Both deletion operations perform the address confirmation processing of displayed.</li> <li> <b>® Deleting registered indoor unit or interlock between units.</b>         • Press the () [Time selection() addresselection() address</li></ul>	en units. of (2) and are performed in the state in which the unit you want to delete was cession. The displayed indoor unit address or the interlock between units is
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<ul> <li>Both deletion operations perform the address confirmation processing of displayed.</li> <li><b>@ Deleting registered indoor unit or interlock between units.</b></li> <li>Press the (F) [Time selection(@ 000-04-07)] button two times in such deleted.</li> <li>When the information is deleted, the display shown below appears.</li> <li><b>8 Test Run</b></li> <li>Before making a test run, refer to the "Test Run" section of the indoor unit 2. Press the [TEST] button twice successively within three seconds. Test run 3 stop the test run by pressing the [ON/OFF] button.</li> <li>If trouble occurred during the test run, refer to the "Test Run" section of the indoor unit of the test run by pressing the [ON/OFF] button.</li> <li>If trouble occurred during the test run, refer to the "Test Run" section of the indoor unit of the test run by the test run, refer to the "Test Run" section of the indoor unit of the test run by the occurred during the test run, refer to the "Test Run" section of the indoor unit of the indoor unit of the test run by the occurred during the test run, refer to the "Test Run" section of the indoor unit of the</li></ul>	nu units. of (2) and are performed in the state in which the unit you want to delete was cession. The displayed indoor unit address or the interlock between units is
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<ul> <li>Both deletion operations perform the address confirmation processing of displayed.</li> <li><b>9</b> Deleting registered indoor unit or interlock between units.</li> <li>Press the (C) [Time selection(O (DO(A).477)] button two times in such deleted.</li> <li>When the information is deleted, the display shown below appears.</li> <li><b>8</b> Test Run</li> <li>Before making a test run, refer to the "Test Run" section of the indoor unit 2. Press the (TEST) button twice successively within three seconds. Test run is stop the test run by pressing the (DN/OFF) button.</li> <li>Stop the test run by pressing the (DN/OFF) button.</li> <li>If trouble occurred during the test run, refer to the "Test Run" section of the indoor unit of the "touble occurred during the test run, refer to the "Test Run" section of the pressing the (DN/OFF) button.</li> <li>If trouble occurred during the test run, refer to the "Test Run" section of the indoor unit of the "touble occurred during the test run, refer to the "Test Run" section of the pressing the (DN/OFF) button.</li> <li>If trouble occurred during the test run, refer to the "Test Run" section of the indoor test run by the section of the "touble occurred during the test run, refer to the "Test Run" section of the indoor test run by the section of test run by the section of the indoor test run by the section of the indoor test run by the section of test run by the section of test run by t</li></ul>	ni units. of (2) and are performed in the state in which the unit you want to delete was cession. The displayed indoor unit address or the interlock between units is
<ul> <li>Both deletion operations perform the address confirmation processing of displayed.</li> <li>9 Deleting registered indoor unit or interlock between units.</li> <li>Press the (P) [Time selection(@ 0.00.40%)] button two times in such deleted.</li> <li>Nen the information is deleted, the display shown below appears.</li> <li>1 Before making a test run, refer to the "Test Run" section of the indoor unit of the trees that the trees that the trees that the seconds. Test is 1 Stop the test run by pressing the [ON/OFF] button.</li> <li>1 Before making a test run, refer to the "Test Run" section of the indoor unit of the trees that the test run by resensing the [ON/OFF] button.</li> <li>2 Stop the test run by pressing the [ON/OFF] button.</li> <li>3 Both deleted during the test run, refer to the "Test Run" section of the indoor unit is the test run by resensing the [ON/OFF] button.</li> <li>4 If trouble occurred during the test run, refer to the "Test Run" section of the indoor unit mer stops test piping temperate the indoor of the indoor units in the test run by resensing the [ON/OFF] button.</li> <li>9 Units the test run by resensing the [ON/OFF] button.</li> <li>9 Units the test run by resensing the [ON/OFF] button.</li> <li>9 Units the test run by resensing the [ON/OFF] button.</li> <li>9 Units test run by the test run by the test run, refer to the "Test Run" section of the indoor units the test run by the test</li></ul>	ni units. of (2) and are performed in the state in which the unit you want to delete was cession. The displayed indoor unit address or the interlock between units is

# MITSUBISHI ELECTRIC CORPORATION (8)

### **MITSUBISHI ELECTRIC CITY MULTI Steuersystem**

PA	R-F	-27	'M	EA

E

1. Beim Gruppieren des gleichen Kühlsystems

aruppe 01

aruppe 02

laupt Fernbedienung

Jnter Fernbedienung

Drehschaltereinstellung

103

ME-Fernbedienung	PAR-F27MEA	Außenanlage Inne 051 001	enanlage 002
Installationshandbuch	a an aing CITV MULTI Klima Innenanlaga anggabhagan ist i s		TB150 TB150 TB150 TB150 TB150 TB150 TB150 TB150 TB150 TB150 TB150 TB150 TB150 TB150
ses Handbuch beschreibt die Installation der ME-Fernbedienung, die er die Verkabelung und Installation der Einheiten der Klimaanlagen fin	e an eine CTTY MULTT Klima-Innenanlage angeschlossen ist. Informationer den Sie in den entsprechenden Installationshandbüchern.	n Fernbedie- Hau	upt Unter
1 Sicherheitsvorkehrungen		(1) Anschluß der Fernbedienung	
Lesen Sie diese Sicherheitsvorkehrungen genau und führen Sie die I Die folgenden zwei Symbole weisen auf Gefahren hin, die durch fehle	nstallation entsprechend aus. erhafte Anwendung und deren Folgen auftreten können.	Anschluß an TB5 (Terminalblock für Inne Der Anschlußblock hat keine Polarität. A	en-/Außenanlagen-Üt Inschluß an die Symb
WARNUNG Dieses Symbol weist auf schwerwiegende Gefahren	oder Tod hin, die durch fehlerhafte Anwendung des PAR-F27MEA entstehen können.	<ul> <li>② Gruppenbetrieb (Gruppen 01, 02 und 03 ol</li> <li>Passen Sie die Adresse der Fernbedie</li> </ul>	ben) enung an die Adresse
Geben Sie nach dem Lesen dieses Installationshandbuchs und das I	algung an Inrem Eigentum nin, ale durch teniernaite Anwendung des PAR-F2/MEA entstenen konnen. Installationshandbuch der Innenanlage an den Endbenutzer.	<ul> <li>möchten.</li> <li>Die Adresse der Hauptgruppe gibt die ni</li> <li>Die Hauptgruppe gibt die ni</li> </ul>	iedrigste Adresse in d
er Endbenutzer sollte dieses Handbuch und das Installationshandbuck en zu können. Sollte eine andere Person die PAR-20MAA versetzen og	n der Innenanlage an einem sicheren Ort aufbewahren, um jederzeit nachschla der reparieren, stellen Sie sicher, daß der Endbenutzer dieses Handbuch erhäl	t. (3) Die Hauptfernbedienung und eine unterge	ung als Adressennum ordnete Fernbedienu
<u>∧</u> WA	RNUNG	Anschluß, wie in Abschnitt ① oben besc Prüfen Sie, ob Sie die Adressen der Hau	chrieben. upt- und untergeordne
Lassen Sie die Anlage durch Ihren Händler oder den technischen Au- Bendienst installieren. Alle Mängel, die durch eigenhändige Installation verursacht werden, können	Sicherstellen, daß die Installation ordnungsgemäß entsprechend den Anweisungen dieses Aufstellungshandbuchs vorgenommen wird. Mängel bei der Installation können zu Stromschlägen oder zu Bränden füh-	Stellen Sie die Adresse der untergeordn - Fernbedienungen können	nicht untereinander v
Stromschläge oder Brände nach sich ziehen. Die Fernbedienung PAR-F27MEA an einem Ort aufstellen, der genügend	ren. Alle Elektroarbeiten müssen von qualifizierten, zugelassenen Techni-	VORSICHT Fernbedienung kann nur ei - Eine ME-Fernbedienung u	in Kabel angeschloss nd eine MA-Fernbed
Tragkraft besitzt, um deren Gewicht auszuhalten. Bei ungenügender Tragkraft kann die Fernbedienung PAR-F27MEA herun- terfallen und Personenschäden verursachen.	kern in Übereinstimmung mit gesetzlichen Bestimmungen vor Ort und den Anweisungen dieses Handbuchs ausgeführt werden. Ungenügende Stromkreise oder Fehler bei der Installation können zu Strom-	Schlossen werden.     Um LOSSNAY zu synchronisieren, führen	Sie an der Fernbedie
Die Verdrahtung mit den angegebenen Kabeln zuverlässig und sicher vornehmen. Sorgfältig überprüfen, daß die Kabel keine Zugspannung	schlägen oder Bränden führen. Die Fernbedienung PAR-F27MEA nicht eigenhändig verlagern oder wie-	• Stellen Sie LOSSNAY, das Sie synchron	ben- und Synchronisa iisieren möchten, für a
Unsachgemäße Verdrahtung kann zu Wärmeentwicklung führen und unter Umständen Brände nach sich ziehen.	Alle Mängel bei der Installation können zu Stromschlägen oder Bränden füh- ren.	HINWEIS: Synchronisieren Sie LOSSNAY mi	it allen Innenanlagen
PAR-F27MEA niemals eigenhändig verändern oder reparieren. Alle Mängel, die durch eigenhändige Veränderungen oder durch Reparatu-	Bei Verlagerung oder Installation die Vertriebsorganisation oder Ihren Fach- händler zu Rate ziehen.	2. Wenn unterschiedliche kühlsystemgruppe	n gebildet werden
Bei Reparaturen Ihren Händler zu Rate ziehen.			gruppe 01 g
Die Installation nicht an einem Ort vornehmen, an dem brennbares Gas austritt.	Standardelektroleitungen, die der Stromkapazität entsprechen, verwenden.	051	Innenanlage Inn
nsammlung von brennbarem Gas in der Nähe der Fernbedienung PAR- 27MEA kann zu einer Explosion führen.	Geschieht dies nicht, kann dies zu ungenügender Stromversorgung, Hitze- entwicklung oder Bränden führen.	Тв7© ©твз	
nsatz an Orten, die Öl (einschließlich Maschinenöl), Wasserdampf und hwefelgasen ausgesetzt sind, kann die Leistung erheblich einschränken	den oder mit Werkzeugen berühren. Auch Staubansammlung auf der gedruckten Schaltung verhindern.		101
Jer Schäden an Teilen der Vorrichtung hervorrufen.	Nichtbeachtung kann zu einem Brand oder einem Stromschlag führen. Nicht die Isolierschicht von der PCB (Gedruckten Schaltung) entfernen.	Außenanlage	Fernbedie- nung
en führen. Den Zugang der stromführenden Elektroleitung mit Spachtel usw. voll-	Steuertasten nicht mit feuchten Händen berühren.           Dies kann zu einem Stromschlag oder einer Fehlfunktion führen.	052	Innenanlage
ändig abdichten. enn Kondenswasser, Feuchtigkeit, Insekten usw. in die Anlage gelangen, ann dies zu Stromschlägen oder Fehlfunktionen führen	Steuertasten nicht mit scharfen Gegenständen drücken. Dies kann einen Stromschlag oder eine Fehlfunktion nach sich ziehen.		
cht mit Wasser auswaschen. es kann einen Stromschlag oder eine Fehlfunktion nach sich ziehen.	Niemals die Netzstromleitung mit den Anschlüssen der Steuerleitung in Kontakt bringen. Dies führt unausweichlich dazu, daß die Fernbedienung Feuer fängt.		Ē
th an einem Ort installieren, an dem Temperaturen von mehr als 40°C er weniger als 0°C gegeben oder die direktem Sonnenlicht ausge- tzt sind.	Sollte die Fernbedienung in einem Krankenhaus oder Kommunikations- einrichtungen installiert werden, ergreifen Sie ausreichende Gegenmaß-		Fe
cht an einem wasserdampfhaltigen Ort, wie etwa einem Badezimmer er einer Küche, installieren.	Umwandler, Notstromanlagen, hochfrequente, medizinische Geräte und draht- lose Kommunikationsgeräte können Fehlfunktionen oder den Ausfall der	1 Anschluß der Fernbedienung (wie für das	gleiche Kühlsystem)
e One vermeiden, an denen sich Feuchtigkeit niederschlagen kann. es kann einen Stromschlag oder eine Fehlfunktion nach sich ziehen.	Kommunikationsgeräte beeinflussen und Operationen am menschlichen Körper verhindern oder Datenübertragungen beeinträchtigen und Stör-	Passen Sie die Adresse der Fernbedienur Die Adresse der Hauptoruppe gibt die ni	ng an die Adresse der iedrigste Adresse in c
sungen oder Spezialsprays häufig verwendet werden. es kann zu einem Stromschlag oder einer Fehlfunktion führen.	Trequenzen verursachen.	Stellen Sie die Adresse der Fernbedienung           ③ Die Hauptfernbedienung und eine unterge	ung als Adressennum ordnete Fernbedienu
Prüfung der gelieferten Einze		eine Gruppe von Innenanlagen angeschlo ④ Um LOSSNAY zu synchronisieren, führen ⑤ Eine Gruppe von Anlagen für die Daw	ossen werden. (Vorga Sie die gleichen Eins
n Sie, ob zusätzlich zu diesem Installationshandbuch folgende Einze	elteile im Karton enthalten sind:	6 Gruppenanmeldung und Synchronisat Benutzen Sie jedoch eine Kombination m	tionsanmeldung).) hit einem MELANS-Sv
. Fernbedienung (Genause und Abdeckung) 2. Fernbedienungskabel (10 m) 3. Kreuzschlitz Senkkopfschraube (M4 × 30)	1	Systemcontroller und nicht an der Fernbe 6 Sie haben jetzt die Einstellungen für unter	dienung eingestellt. rschiedliche Kühlsyste
. Holzschrauben (4,1 $\times$ 16 zur direkten Befestigung an der Wand)		1 HINWEIS: Arbeiten Sie mit einer Gruppe unter und (CN40) auf der PC-Steuerolat	rschiedlicher Kühlsyst tine nur bei einer Auß
Warnaufkleber (in 10 Sprachen)		4 Installation des unteren Gehäusse en der G	Schalterbox oder die
KabeleigenschaftenCVV (2-adrig):1,25 mm <sup>2</sup> oder of CVV ist ein Steuerkabel mit einem Polyvinvlchloridmantel mit poly	io mist, wanien Sie ein Kabel mit folgenden Eigenschaften: entsprechend rvinvlisolierten Adern.	Bei Benutzung der Schalterbox	el der Fernbedienung
	,		
	Externe Freier Raum um Abmessung der die Fernbedienung	Dichten Sie das Einführungs- loch des Kabels der Fernbedie- nung mit Dichtungsmasse ab	
ählen Sie einen Installationsort für die Fernbedienung (Schalt ellen Sie die Überwachung der folgenden Schritte sicher:	erbox).	(Siehe 2 oben)	
Sie den Temperatursensoren berinden sich sowohl in der Fernbedienung, Sie den Temperatursensor der Fernbedienung, erkennt die Hau Installieren Sie die Hauptfernbedienung an einem Ort, an dem die	als auch in der innenanlage. Benutzen uptfernbedienung die Raumtemperatur. allgemeine Raumtemperatur erkannt	VORSICHT Ziehen Sie die Schrauben ni	icht zu fest an. In dies
werden kann und der nicht durch die Wärme direkten Sonnenlicht beeinträchtigt ist.	ts oder einen Luftzug von Klimaanlagen	HINWEISE: - Wählen Sie für die Installation - Befestigen Sie die Schalterbox - Wenn Sie an der Mauer neu in	eine ebene Fläche au an mehr als zwei Ste stallieren, sorgen Sie
(Eine Beschreibung, wie Sie den Haupt/Unter-Schalter einstelle (4 Installation). Wie Sie den Temperatursensor einstellen, seh	en, sehen Sie im Schritt 6 im Abschnitt en Sie im CITY MULTI-Innenanlagen-	5. Schließen Sie das Kabel der Fernbedienun	ng an den
Installationshandbuch.) Installieren Sie in der Schalterbox oder an der Wand, lassen Sie herum wie in der rechten Abbildung genetist	genügend Platz um die Fernbedienung	Anschlußblock der Fernbedienung an.	
(Benutzen Sie die Fernbedienung in Kombination mit einem Prog handbuch des Programmtimers )	rammtimer, lesen Sie das Installations-		
WEIS: Stellen Sie sicher, daß sich in der Nähe des Sensors d	er Fernbedienung keine Kabel befinden. Sollte das der Fall sein, kann die	VORSICHT Benutzen Sie keine Krimpterminals der Platine kommen und Schäden a	zum Anschluß an den Ter an der Fernbedienung anri
Fernbedienung die genaue Raumtemperatur nicht erker	inen.	6. Stellen Sie mit dem Drehschalter die Adres	sse der Fernbedienu
<ul> <li>Schalterbox für zwei Einheiten</li> <li>Dünnes Kupferrohr für Kabel</li> </ul>			Haupt Fernbedien
Sicherungsmutter und Muffe		Drehschalter	Unter Fernbedienı
		10 Ziffer (linke) (roote)	Drehschaltereins
	$\begin{array}{c c} \hline & 30 \\ \hline & 30 \\ \hline \\ $	(IIIIKS) (recnts) (Ex: Adresse 108)	01 bis 99 00
	$\begin{array}{c c c c c c c c c c c c c c c c c c c $		
	Schalterbox für zwei Einheiten		
			HINWEISE: - Die ste
chten Sie das Kabel der Fernbedienung mit Dichtungsmasse	ab, um einem möglichen Eindringen von Tau, Wassertropfen, Kakerla	-	- De
n, andere Insekten usw. vorzubeugen. Bei Benutzung der Schalterbox	Bei Installation direkt an der Mauer	<ul> <li>Kabelloch f ür die direkte Wandinstallation (</li> <li>Schneiden Sie den schattierten Bereich aus</li> </ul>	(oder offene Verkabe s der oberen Abdeck
<ul> <li>Errorgt die installation in einer Schalterbox, dichten Sie die Anschlüsse zwischen Schalterbox und Kabelrohr mit Dichtungsmasse ab</li> </ul>	Bonren Sie ein Loch für das Kabel der Fernbedienung (oder wenn Sie das Kabel aus der Rückseite der Fernbedienung heraus führen), dich ten Sie das Loch mit Dichtungsmasse ab	nem Messer, Zange usw. heraus. • Ziehen Sie das Kabel der Fernbedienung her	raus, das an den Anso
Kabel-	<ul> <li>Führen Sie das Kabel durch einen Ausschnitt der oberen Abdeckung dichten Sie auch diesen Ausschnitt mit Dichtungsmasse ab</li> </ul>	über diesen Ausschnitt angeschlossen ist. 8. Installieren Sie die Abdeckung auf der Fern	bedienung.
vvand rohr Sicherungsmutter	Kabel der Fernbedienung	Haken Sie die Abdeckung zuerst auf die beider sie dann auf die Fernbedienung.	n oberen Klauen und
Schalterbox	Hier mit Dichtungs-		
Muffe Hier mit Dichtungs- masse abdichten.	masse abdichten.	VORSICHT Drücken Sie die Abdeckung	soweit, bis sie einras
Kabel der Fernbedienung	Kabel aus der Rückseite der Forrbediagung	<ul><li>HINWEIS: Auf dem Betriebsabschnitt befinde</li><li>9. Warnaufkleber befestigen.</li></ul>	et sich eine Sicherheit
deckung der Fernbedienung abnehmen.	herausführen Kabel aus der Rückseite der Fernbedienung herausführen	An der Rückseite der Fernbedienungstür befind ber in der Landessprache über dem englische	det sich ein Warnaufk n Aufkleber.
• Setzen Sie einen Schlitzschraubenzieher in einen der offenen	Schlitze und bewegen Sie ihn in Pfeilrichtung.		
		5 Optionale Teile ans	schließen
		- Der aubere Entwurt für PAU-SU32PTA (Progra	unte unter unte

VORSICHT Drehen Sie den Schraubenzieher nicht im Schlitz. In dem Fall kann der Schlitz beschädigt werden.

dienung an. (Ein 5-adriges Kabel wird mit dem Programmtimer mitgeliefert.) • Um das Kabel einzuführen, schneiden Sie einen Teil der dünnen Wandseite heraus. • Installieren Sie den Programmtimer aus Verkabelungsgründen an der linken Seite der Fernbedienung. Sollte eine Erweiterung vorgesehen werden, sorgen Sie an der linken Seite der Fernbedienung für ausreichend freien Platz. Genaue Informationen über den Betrieb lesen Sie im Installationshandbuch des Programmtimers.

3





## **MITSUBISHI ELECTRIC CORPORATION** (8)