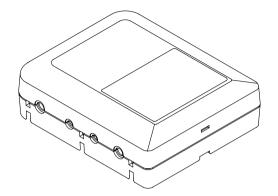
Русский

English



UTY-VMSX

INSTALLATION MANUAL

MODBUS CONVERTOR FOR INDOOR UNIT For authorized service personnel only.

INSTALLATIONSANLEITUNG

MODBUS-KONVERTER FÜR INNENGERÄT Nur für autorisiertes Fachpersonal.

MANUEL D'INSTALLATION

CONVERTISSEUR MODBUS POUR UNITÉ INTÉRIEURE Pour le personnel agréé uniquement.

MANUAL DE INSTALACIÓN

CONVERTIDOR MODBUS PARA LA UNIDAD INTERIOR Únicamente para personal de servicio autorizado.

MANUALE DI INSTALLAZIONE

CONVERTITORE MODBUS PER UNITÀ INTERNE A uso esclusivo del personale tecnico autorizzato.

ΕΓΧΕΙΡΙΔΙΟ ΕΓΚΑΤΑΣΤΑΣΗΣ

ΜΕΤΑΤΡΟΠΕΑΣ MODBUS ΓΙΑ ΕΣΩΤΕΡΙΚΉ ΜΟΝΆΔΑ Μόνο για εξουσιοδοτημένο τεχνικό προσωπικό.

MANUAL DE INSTALAÇÃO

CONVERSOR MODBUS PARA UNIDADE INTERIOR Apenas para técnicos autorizados.

РУКОВОДСТВО ПО УСТАНОВКЕ

КОНВЕРТОР MODBUS ДЛЯ ВНУТРЕННЕГО МОДУЛЯ Только для авторизованного обслуживающего персонала.

MONTAJ KILAVUZU

İC ÜNITE ICIN MODBUS DÖNÜSTÜRÜCÜ Yalnızca yetkili servis personeli için.

安装说明书

室内机用 Modbus 信号转换器 仅针对授权的专业维修人员。

富士通将军有限公司 FUJITSU GENERAL LIMITED



[Original instructions] PART NO. 9374707140-02

INSTALLATION MANUAL

PART NO. 9374707140-02 MODBUS CONVERTOR for Indoor unit

Contents

1.	SAFETY PRECAUTIONS	1
2.	MAIN UNIT AND ACCESSORIES	1
3.	ELECTRICAL REQUIREMENT	1
4.	MODBUS COMMUNICATION SPECIFICATIONS	2
5.	SELECTING AN INSTALLATION LOCATION	2
	5.1. Dimensions	2
6.	WIRING	2
	6.1. Wiring method	3
	6.2. Unit wiring	3
7.	INSTALLING THE MODBUS CONVERTOR	3
	7.1. Connecting the transmission cables	4
8.	CIRCUIT BOARD SETTING	4
9.	TURNING ON THE POWER	7
10.	LED DISPLAY	
	10.1. Normal code	7
	10.2. Error code	7

1. SAFETY PRECAUTIONS

- The "SAFETY PRECAUTIONS" indicated in this manual contain important information pertaining to your safety. Be sure to observe them.
- Request the user to keep this manual on hand for future use, such as for relocating or repairing the unit.

⚠ WARNING

This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.

Perform electrical work by an authorized service personnel in accordance with this manual and the electrical wiring regulations or implementation regulations of the country. Also do not install this unit by yourself. Improper electric work will cause electric shock or a fire.

Perform installation work in accordance with this manual. Request an authorized service personnel to perform installation work. Do not install this unit by yourself. Improper installation will cause injury, electric shock fire etc.

In the event of a malfunction (burning smell, etc.), immediately stop operation, turn off the electrical breaker, and consult authorized service personnel.

Use a power source exclusively for this unit. Never share the power source with other electrical equipment. Doing so will cause fire and electric shock.

Do not install the unit in the following areas:

- Do not install the unit near a source of heat, steam, or flammable gas.
- Area filled with mineral oil or containing a large amount of splashed oil
 or steam, such as a kitchen. It will deteriorate plastic parts, causing the
 parts to fail or the unit to leak water.
- Area that generates substances that adversely affect the equipment, such as sulfuric gas, chlorine gas, acid, or alkali. It will cause the copper pipes and brazed joints to corrode, which can cause refrigerant leakage.
- Area containing equipment that generates electromagnetic interference. It will cause the control system to malfunction, preventing the unit from operating normally.
- Area that can cause combustible gas to leak, contains suspended carbon fibers or flammable dust, or volatile inflammables such as paint thinner or gasoline. If gas leaks and settles around the unit, it can cause a fire.
- Do not use the unit for special purposes, such as storing food, raising animals, growing plants, or preserving precision devices or art objects.
 It can degrade the quality of the preserved or stored objects.
- Install the unit in a well-ventilated place avoiding rains and direct sunlight.

Do not operate this unit when your hands are wet. Touching the unit with wet hands will cause an electric shock.

If children may approach the unit, take preventive measures so that they cannot reach the unit.

ACAUTION

This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user or damage to property.

Pay abundant care when transporting this unit because it is a precision device. Improper transportation will cause trouble.

Do not touch the switches with sharp objects. Doing so will cause injury, trouble, or electric shock.

Do not expose this unit directly to water. Doing so will cause trouble, electric shock, or heating.

Do not set vessels containing a liquid on this unit. Doing so will cause heating, fire, or electric shock.

Dispose of the packing materials safely. Tear and dispose of the plastic packing bags so that children cannot play with them. There is the danger of suffocation if children play with the original plastic bags.

Do not insert articles into the slit parts of this unit. Doing so will cause trouble, heating, or electric shock.

2. MAIN UNIT AND ACCESSORIES

Important:Download the interface specifications from the website before starting installation work.

http://www.fujitsu-general.com/global/support/
The following installation parts are supplied. Use them as required.

Name and Shape	Q'ty	Application
MODBUS convertor	1	Main unit
Installation manual	1	This manual
Cable tie	4	For mounting the transmission cable.
Screw (M4 x 16 mm)	3	For mounting the MODBUS Convertor.
Connector cable	1	For connecting to indoor unit (1.5m)
MODBUS connector	1	For connecting the cable and attaching the board connector.

3. ELECTRICAL REQUIREMENT

Use	Si	ze	Wire type	Remarks
MODBUS	Maximum	1.25 mm ² (16AWG)	AWG16-26 3Wire+	
cable	Minimum		Sheathed PVC cable	

MODBUS is registered trademark of Schneider Electric SA.

*: Use shielded cable in accordance with local rules for MODBUS cable.

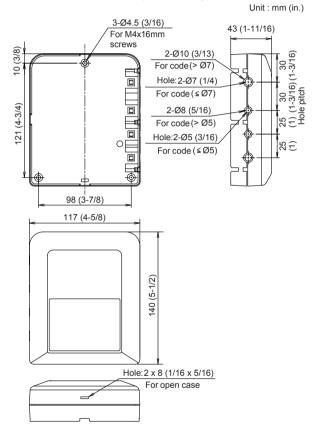
4. MODBUS COMMUNICATION SPECIFICATIONS

Transfer mode	RTU mode
Communication method	Half-duplex operation, Master/slave method
Communication speed	9600bps / 19200bps
Synchronous system	Asynchronous communication method
Data bit	8 bit
Parity	even/odd/none
Stop bit	2 bit (no parity) / 1 bit
Network	3 wire RS485
Maximum cable length	1000 (m) (3280 (ft))

5. SELECTING AN INSTALLATION LOCATION

5.1. Dimensions

The MODBUS Convertor is comprised of a body and cover.



Power consumpt	ion (W)	1.2
Temperature	Operating	0-46 (32-114)
°C(°F)	Packaged	-10-60 (14-140)
Humidity (%)	Packaged	0–95 (RH); No condensation
Dimensions H x W x D mm(in	.)	43 × 117 × 140 (1-11/16 × 4-5/8 × 5-1/2)
Weight g (oz.)		200 (7)

6. WIRING

↑ WARNING

Before starting installation work, turn off the power of this unit and the connection destination. Do not turn on the power again until installation is completed. Otherwise, it will cause electric shock or fire.

Use specified cables or accessory cables to connect to this unit. Do not modify the cables to connect this unit other than those specified, do not use extension cables, and do not use independent branch wiring. It may cause electric shock or fire.

Install the transmission cables securely to the terminal block. Confirm that external force is not applied to the cable. Use transmission cables made of the specified cable. If intermediate connection or insertion fixing are imperfect, it will cause electric shock, fire, etc.

When connecting the cables to this unit, route the cables so that the cover of this unit is securely fixed. If the cover is imperfectly fixed, it may cause fire or overheating of the terminals.

Perform earth (ground) work positively. Do not connect the earth (ground) cable to a telephone cable, water pipe, or conductor rod.

Always fasten the outside covering of the transmission cables with the cable clamp. (If the insulator is chafed, electric leakage may occur.)

Perform all wiring works so that the user does not touch the wiring. Otherwise, injury or electric shock could result.

If any cable is damaged, do not repair or modify it yourself. Improper work will cause electric shock or fire.

CAUTION

Do not bind the remote controller cable and the transmission cable together with or parallel to the power supply cable of the indoor and outdoor units. It may cause erroneous operation.

When performing wiring work, be careful not to damage the cable or injure yourself. Also, connect the connectors securely. Loose connectors will cause trouble, heating, fire, or electric shock.

Install the indoor and outdoor units, power supply cable, transmission cable and remote control cable 1 m (40 in.) away from television and radio to avoid distorted images and noise. Otherwise, a malfunction could result.

Perform wiring so that water does not enter this unit along the external wiring. Always install a trap to the wiring or take other countermeasures. Otherwise it will cause trouble or electric shock or fire.

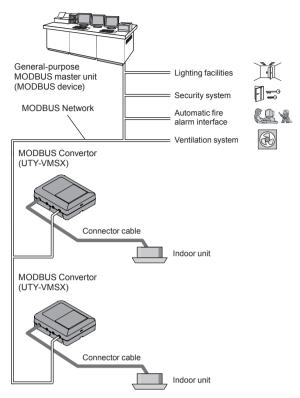
Confirm the name of each unit and name of each terminal block of the unit and connect the wiring in accordance with the directions given in the manual so that there is no incorrect wiring. Incorrect wiring will damage the electric parts and cause smoke and fire.

When installing the connection cables near a source of electromagnetic waves, use shielded cable.

Otherwise, a breakdown or malfunction could result.

6.1. Wiring method

PROPER SYSTEM DIAGRAM



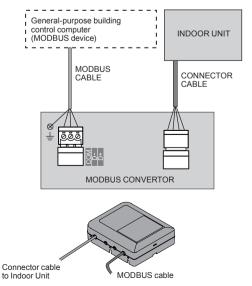
number per 1 MODBUS Convertor	•	
Maximum number of connected MODBUS Convertor units to one	Without repeater	31
MODBUS master unit	With repeater	247*

With repeater

247*

ELECTRICAL WIRING

Maximum connectable indoor unit

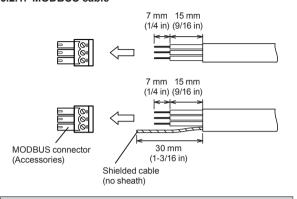


Note:

- · Use shield cable for transmission cable.
- The shield metal should be earthed (grounded).
- · Do not forget to earth (ground) the MODBUS Convertor.

6.2. Unit wiring

6.2.1. MODBUS cable



Tightening torque for installing cables to MODBUS connector

0.22 to 0.25 N • m (1.9 to 2.2 lbf • in) (2.2 to 2.5 kgf • cm)

7. INSTALLING THE MODBUS CONVERTOR

⚠ WARNING

Always use the accessories and specified installation work parts. Check the state of the installation parts. Not using the specified parts will cause units to fall off, electric shock, fire, etc.

Install at a place that can withstand the weight of the unit and install positively so that the unit will not topple or fall.

When installing this unit, make sure that there are no children nearby. Otherwise, injury or electric shock could result.

↑ CAUTION

Do not set the DIP switch or rotary switch of this unit except as specified in this installation manual or the instruction manual supplied with the air conditioner. Setting the switches other than specified will cause an accident or trouble.

Use an insulated screwdriver to set the DIP switches.

Before opening the cover of this unit, completely discharge static electricity charged on your body. Otherwise, failure or malfunction could

Do not touch the circuit board and circuit board parts directly with your

Otherwise, injury or electric shock could result.

Tightening the mounting screws too tight will damage the body of this

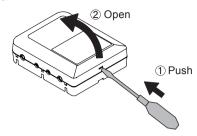
Be careful so that the cover does not fall after the cover screws are removed

Otherwise, injury could result

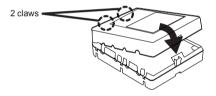
^{*} Due to the limit in the number of slave addresses

7.1. Connecting the transmission cables

- (1) Turn off the power of the connecting unit.
- (2) Insert the driver, etc. into the hole (For open case) and open the top cover.

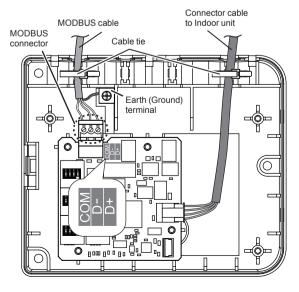


- (3) Connect the transmission cable to accessory MODBUS Connector to connect to MODBUS network.
- (4) Connect the MODBUS cables to RS485_A+ (D+), RS485_B- (D-), and Common (COM) according to the polarity of the master unit.
- (5) Attach the MODBUS connector to the board terminal.
- (6) When using MODBUS cable with shield, earth (ground) at one end of cable. Connect the shield to the Earth (Ground) terminal. However, the Earth (Ground) terminal of this unit is not earthed (grounded) directly, earth (ground) at the opposite side end or earth (ground) using separately purchased cable. Do not connect the shield to the Common (COM).
- (7) Connect the connector cable for indoor unit to the specified connector firmly.
- (8) Securely tighten the cable tie and then confirm that the cable will not come out.
- (9) Once the wiring of the cables has been completed, fit the 2 claws of top cover and close the cover.

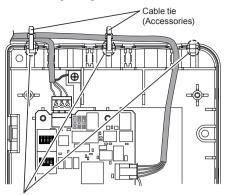


(10)Use the 3 screws (M4 × 16 mm) provided to mount the MODBUS convertor to the behind ceiling, wall, floor or other suitable location.

* The hole for a cable can be widened as necessary. When passing the thick cable through the hole, widen it.



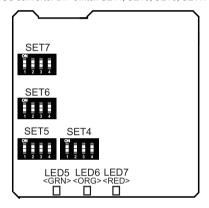
Fix the connector cable even outside the main unit as necessary. Fix the cable with cable tie using 3 fixing holes.



Holes for fixing cable tie (3 places)

8. CIRCUIT BOARD SETTING

Set MODBUS convertor DIP switch SET4, SET5, SET6, SET7.



 MODBUS communication setting: MODBUS slave address setting (SET4/5)

Address can be set. (1 to 247)

MODBUS convertor			D	IP Switc ON:● /	h Settin OFF:0	g		
address	SET5-1	SET5-2	SET5-3	SET5-4	SET4-1	SET4-2	SET4-3	SET4-4
1	*0	*0	*0	*0	*0	*0	*0	*•
2	0	0	0	0	0	0	•	0
3	0	0	0	0	0	0	•	•
4	0	0	0	0	0	•	0	0
5	0	0	0	0	0	•	0	•
6	0	0	0	0	0	•	•	0
7	0	0	0	0	0	•	•	•
8	0	0	0	0	•	0	0	0
9	0	0	0	0	•	0	0	•
10	0	0	0	0	•	0	•	0
11	0	0	0	0	•	0	•	•
12	0	0	0	0	•	•	0	0
13	0	0	0	0	•	•	0	•
14	0	0	0	0	•	•	•	0
15	0	0	0	0	•	•	•	•
16	0	0	0	•	0	0	0	0
17	0	0	0	•	0	0	0	•
18	0	0	0	•	0	0	•	0
19	0	0	0	•	0	0	•	•
20	0	0	0	•	0	•	0	0
21	0	0	0	•	0	•	0	•
22	0	0	0	•	0	•	•	0
23	0	0	0	•	0	•	•	•
24	0	0	0	•	•	0	0	0

MODBUS convertor	DIP Switch Setting ON:● / OFF:○									
address	SET5-1	SET5-2	SET5-3	SET5-4	SET4-1	SET4-2	SET4-3	SET4-4		
25	0	0	0	•	•	0	0	•		
26	0	0	0	•	•	0	•	0		
27	0	0	0	•	•	0	•	•		
28	0	0	0	•	•	•	0	0		
29	0	0	0	•	•	•	0	•		
30	0	0	0	•	•	•	•	0		
31	0	0	•	•	•	•	•	•		
33	0	0	•	0	0	0	0	•		
34	0	0	•	0	0	0	•	0		
35	0	0	•	0	0	0	•	•		
36	0	0	•	0	0	•	0	0		
37	0	0	•	0	0	•	0	•		
38	0	0	•	0	0	•	•	0		
39	0	0	•	0	0	•	•	•		
40	0	0	•	0	•	0	0	0		
41	0	0	•	0	•	0	0	•		
42	0	0	•	0	•	0	•	0		
43	0	0	•	0	•	0	•	•		
44	0	0	•	0	•	•	0	0		
45	0	0	•	0	•	•	0	•		
46	0	0	•	0	•	•	•	0		
47	0	0	•	•	•	•	•	•		
49	0	0	•	•	0	0	0	•		
50	0	0	•	•	0	0	•	0		
51	0	0	•	•	0	0	•	•		
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53	0	0	•	•	0	•	0	•		
54	0	0	•	•	0	•	•	0		
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56	0	0	•	•	•	0	0	0		
57	0	0	•	•	•	0	0	•		
58	0	0	•	•	•	0	•	0		
59	0	0	•	•	•	0	•	•		
60	0	0	•	•	•	•	0	0		
61	0	0	•	•	•	•	0	•		
62	0	0	•	•	•	•	•	0		
63	0	0	•	•	•	•	•	•		
64	0	•	0	0	0	0	0	0		
65 66	0	•	0	0	0	0	•	0		
67	0	•	0	0	0	0	•	•		
68	0	•	0	0	0	•		0		
69	0	•	0	0	0	•	0	•		
70	0	•	0	0	0	•	•	0		
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78	0	•	0	0	•	•	•	0		
79	0	•	0	0	•	•	•	•		
80	0	•	0	•	0	0	0	0		
81	0	•	0	•	0	0	0	•		
82	0	•	0	•	0	0	•	0		
83	0	•	0	•	0	•	•	•		
84 85										
86	0	•	0	•	0	•	0	•		
87	0	•	0	•	0	•	•	•		
88	0	•	0	•	•	0	0	0		
89	0	•	0	•	•	0	0	•		
90	0	•	0	•	•	0	•	0		

92	0	•	0	_	_	•	0	0
				•	•			0
93	0	•	0	•	•	•	0	•
94	0	•	0	•	•	•	•	0
95	0	•	0	•	•	•	•	•
96	0	•	•	0	0	0	0	0
97	0	•	•	0	0	0	0	•
98	0	•	•	0	0	0	•	0
99	0	•	•	0	0	0	•	•
100	0	•	•	0	0	•	0	0
101	0	•	•	0	0	•	0	•
102		_						
	0	•	•	0	0	•	•	0
103	0	•	•	0	0	•	•	•
104	0	•	•	0	•	0	0	0
105	0	•	•	0	•	0	0	•
106	0	•	•	0	•	0	•	0
107	0	•	•	0	•	0	•	•
108	0	•	•	0	•	•	0	0
109	0	•	•	0	•	•	0	•
110	0	•	•	0	•	•	•	0
	_							
111	0	•	•	0	•	•	•	•
112	0	•	•	•	0	0	0	0
113	0	•	•	•	0	0	0	•
		-		1				
114	0	•	•	•	0	0	•	0
115	0	•	•	•	0	0	•	•
116	0	•	•	•	0	•	0	0
-								
117	0	•	•	•	0	•	0	•
118	0	•	•	•	0	•	•	0
119	0							
		•	•	•	0	•	•	•
120	0	•	•	•	•	0	0	0
121	0	•	•	•	•	0	0	•
122								
	0	•	•	•	•	0	•	0
123	0	•	•	•	•	0	•	•
124	0	•	•	•	•	•	0	0
125	0	•	•	•	•	•	0	•
126	0	•	•	•	•	•	•	0
127	0	•	•	•	•	•	•	•
128	•	0	0	0	0	0	0	0
129	•	0	0	0	0	0	0	•
130	•	0	0	0	0	0	•	0
131	•	0	0	0	0	0	•	•
132	•	0	0	0	0	•	0	0
133	•	0	0	0	0	•	0	•
134	•	0	0	0	0	•	•	0
135	•	0	0	0	0	•	•	•
136	•	0	0	0	•	0	0	0
	_				_			-
137	•	0	0	0	•	0	0	•
138	•	0	0	0	•	0	•	0
139	•	0	0	0	•	0		•
				-				
140	•	0	0	0	•	•	0	0
141	•	0	0	0	•	•	0	•
142	•	0	0	0	•	•	•	0
143	•	0	0	0	•	•	•	•
144	•	0	0	•	0	0	0	0
145	•	0	0	•	0	0	0	•
146	•	0	0	•	0	0	•	0
147	•	0	0	•	0	0	•	•
148	•	0	0	•	0	•	0	0
149	•	0	0	•	0	•	0	•
150	•	0	0	•	0	•	•	0
151	•	0	0	•	0	•	•	•
-								
152	•	0	0	•	•	0	0	0
153	•	0	0	•	•	0	0	•
		-		•	•	0		
15/	_	_					•	0
154	•	0	0					
154 155	•	0	0	•	•	0	•	•
155	•	0	0	•	•	0		•
155 156	•	0	0	•	•	•	•	0
155 156 157	•	0	0	•	•	0	•	
155 156	•	0	0	•	•	•	•	0
155 156 157 158	•	0 0 0	0 0	•	•	•	0 0	•
155 156 157 158 159	•	0 0 0	0 0 0	•	•	•	•	0
155 156 157 158	•	0 0 0	0 0	•	•	•	0 0	•
155 156 157 158 159	•	0 0 0	0 0 0	•	•	•	•	0
155 156 157 158 159 160	•	0 0 0 0	0 0 0	•	•	•	0 0	0

MODBUS convertor	DIP Switch Setting ON:● / OFF:○									
address	SET5-1	SET5-2	SET5-3	SET5-4	SET4-1	SET4-2	SET4-3	SET4-4		
163	•	0	•	0	0	0	•	•		
164	•	0	•	0	0	•	0	0		
165	•	0	•	0	0	•	0	•		
166	•	0	•	0	0	•	•	0		
167	•	0	•	0	0	•	•	•		
168	•	0	•	0	•	0	0	0		
169 170	•	0	•	0	•	0	0	•		
171	•	0	•	0	•	0	•	•		
172	•	0	•	0	•	•		0		
173	•	0	•	0	•	•	0	•		
174	•	0	•	0	•	•	•	0		
175	•	0	•	0	•	•	•	•		
176	•	0	•	•	0	0	0	0		
177	•	0	•	•	0	0	0	•		
178	•	0	•	•	0	0	•	0		
179	•	0	•	•	0	0	•	•		
180	•	0	•	•	0	•	0	0		
181	•	0	•	•	0	•	0	•		
182	•	0	•	•	0	•	•	0		
183	•	0	•	•	0	•	•	•		
184	•	0	•	•	•	0	0	0		
185	•	0	•	•	•	0	0	•		
186	•	0	•	•	•	0	•	0		
187	•	0	•	•	•	0	•	•		
188	•	0	•	•	•	•	0	0		
189	•	0	•	•	•	•	0	•		
190	•	0	•	•	•	•	•	0		
191	•	0	•	•	•	•	•	•		
192	•	•	0	0	0	0	0	0		
193	•	•	0	0	0	0	0	•		
194	•	•	0	0	0	0	•	0		
195	•	•	0	0	0	0	•	•		
196	•	•	0	0	0	•	0	0		
197	•	•	0	0	0	•	0	•		
198	•	•	0	0	0	•	•	0		
199	•	•	0	0	0	•	•	•		
200	•	•	0	0	•	0	0	0		
201	•	•	0	0	•	0	0	•		
202	•	•	0	0	•	0	•	0		
203	•	•	0	0	•	•	0	0		
205	•	•			•	•		•		
205	•	•	0	0	•	•	•	0		
207	•	•	0	0	•	•	•	•		
208	•	•	0	•	0	0	0	0		
209	•	•	0	•	0	0	0	•		
210	•	•	0	•	0	0	•	0		
211	•	•	0	•	0	0	•	•		
212	•	•	0	•	0	•	0	0		
213	•	•	0	•	0	•	0	•		
214	•	•	0	•	0	•	•	0		
215	•	•	0	•	0	•	•	•		
216	•	•	0	•	•	0	0	0		
217	•	•	0	•	•	0	0	•		
218	•	•	0	•	•	0	•	0		
219	•	•	0	•	•	0	•	•		
220	•	•	0	•	•	•	0	0		
221	•	•	0	•	•	•	0	•		
222	•	•	0	•	•	•	•	0		
223	•	•	0	•	•	•	•	•		
224	•	•	•	0	0	0	0	0		
225	•	•	•	0	0	0	0	•		
226	•	•	•	0	0	0	•	0		
227	•	•	•	0	0	0	•	•		
228	•	•	•	0	0	•	0	0		
	•	•	•	0	0	•	0	•		

230		•	•	0	0	•	•	0
	•	•	•	0	0	•	•	0
231	•	•	•	0	0	•	•	•
232	•	•	•	0	•	0	0	0
233	•	•	•	0	•	0	0	•
234	•	•	•	0	•	0	•	0
235	•	•	•	0	•	0	•	•
236	•	•	•	0	•	•	0	0
237	•	•	•	0	•	•	0	•
238	•	•	•	0	•	•	•	0
239	•	•	•	0	•	•	•	•
240	•	•	•	•	0	0	0	0
241	•	•	•	•	0	0	0	•
242	•	•	•	•	0	0	•	0
243	•	•	•	•	0	0	•	•
244	•	•	•	•	0	•	0	0
245	•	•	•	•	0	•	0	•
246	•	•	•	•	0	•	•	0
247	•	•	•	•	0	•	•	•

(★: Factory setting)

(2) MODBUS communication setting: Baud rate setting (SET6-4)

ON: 19200bps OFF: 9600bps (Default)

(3) MODBUS communication setting: Parity setting (SET6-3)

ON: odd

OFF: even (Default)

- * When the STOP bit setting is "2bit," parity is set to "None" regardless of the setting of this switch.
- (4) MODBUS communication setting: Stop bit setting (SET6-2)

Stop bit can be set (1 bit or 2 bit).

ON: 2bit

OFF: 1bit (Default)

(5) MODBUS communication setting: MODBUS communication terminal resistance (SET7-4)

MODBUS communication terminal resistance can be set (Valid or invalid).

Terminal resistance: 120Ω

Set the terminal resistances as necessary.

For MODBUS system, terminal resistances are necessary at the both ends of communication line. (Total 2 terminal resistances)
Set the terminal resistances at the both ends to be valid and set the terminal resistances other than at the both ends to be invalid.

ON: Terminal resistance valid

OFF: Terminal resistance invalid (Default)

- * The switches from (1) to (4) are read at the time of power-on. Even if these switches are changed after power-on, the setting is not reflected.
- (6) Unused SW

SET6-1, SET7-1 to 3: Not used All Default settings: "OFF"

9. TURNING ON THE POWER

A CAUTION

Recheck the wiring. Incorrect wiring will cause trouble.

- (1) Check the wiring of MODBUS convertor.
- (2) Check the wiring and switches of units connected to convertor before tuning on the power.
- (3) Check that the switches of MODBUS convertor are correct.
- (4) Refer to the indoor unit operating manual and turn on the power of indoor unit.
- The MODBUS Convertor is initialized for a period of approximately a few seconds after the power is turned on.
 LED5 (green) and LED6 (orange) flash.
- After initial setting is completed, operation will be restarted automatically. LED5 (green) lights.
- * MODBUS Convertor does not operate during initialization. If an error occurs, the LED5, LED6, LED7 lights or flashes.

10.LED DISPLAY

10.1. Normal code

Nor	mal indicati	ons	
LED5 (green)	LED6 (orange)	LED7 (red)	Normal contents
			Normal starting
•			MODBUS sending or receiving
(Flashes a	alternately)		Start sequence or address rewriting

Display mode
: On

□ : Off

▲ : 1.0s ON / 1.0s OFF

10.2. Error code

For the error indications of devices connected to the convertor, refer to each manual.

Error indications				
LED5 (green)	LED6 (orange)	LED7 (red)	Error contents	
(11)	• (1)	\langle	Peripheral unit main PCB error	

Display mode : 0.5s ON / 0.5s OFF