

PAC-KBU91MH-E

Medium pressure sensor installation manual

(For applications with a vertical separation between indoor and outdoor units up to 60/90 m)

(1) Common items**

Certain restrictions (vertical separation between indoor and outdoor units, operable temperature range etc.) apply, depending on where the outdoor unit is installed. Models available for 60/90* meters of vertical separation between indoor and outdoor units are listed in appropriate manuals. *Outdoor unit below indoor unit = 60 m (196 ft); Outdoor unit above indoor unit = 90 m (295 ft)

(2) Y series**

Certain restrictions (pipe diameter, maximum piping length etc.) apply, depending on where the outdoor unit is installed.

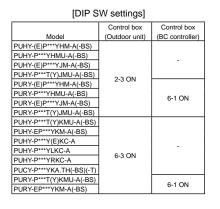
Refer to the table at right (DIP SW settings) for how to set the dipswitches on the outdoor unit. (3) R2 series**

Certain restrictions (maximum total capacity of indoor units) apply, depending on where the outdoor unit is installed.

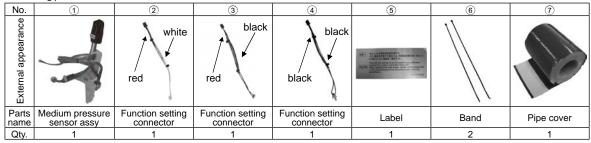
Refer to the table at right (DIP SW settings) for how to set the dipswitches on the outdoor unit. Turn DIP SW 6-1 to ON on the G-. GA-. and HA-type BC controllers.

Turn DIP SW 6-1 to ON on the G-, GA-, and HA-type BC controllers. Use the BC controller (G/GA types) with the serial number 81W***** or later.

If the BC controller (G/GA types) has a serial number before 81W*****, replace the circuit board. **Refer to appropriate manuals for details.



The following parts are included in the kit. Please check



List of necessary parts for different models

No.	Parts	Model group														
1.0.		Α	В	С	D	Е	F	G	Н	J	Κ	L	М	Ν	Ρ	Q
1	Medium pressure sensor assembly	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Function setting connector (wire color: red x white)	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-
3	Function setting connector (wire color: red x black)	-	-	-	-	0	0	0	-	-	-	-	-	-	-	-
4	Function setting connector (wire color: black x black)	-	-	-	-	-	-	-	0	0	0	0	-	-	-	-
5	Label	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Band (for control box guard (refer to Figure 4) and Pipe cover)	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
\bigcirc	Pipe cover (buffer)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Refer to Item (6) under "Installation Procedures" on page 2 for how to install item $\widehat{\mathcal{O}}$.

*Note that which mounting plate and function setting connector is used depends on the model. Refer to the table below (Model group list) for the detailed information on Model groups. If the wrong type of function setting connector is connected, the unit will not properly operate or it will come to an abnormal stop.

If the wrong type of function setting connector is connected, the unit will not properly operate or it will come to an abnormal stop. [Models group list]

Group A	Group B	Group C	Group D			
Model	Model	Model	Model			
PUHY-P200/250YHM-A	PUHY-P300YHM-A	PUHY-P350/400/450YHM-A	PURY-P250/300/350/400YHM-A			
PUHY-P72/96T(Y)HMU-A		PUHY-P120T(Y)HMU-A	PURY-P96/120T(Y)HMU-A			
	\sim	PURY-P200YHM-A				
		PURY-P72T(Y)HMU-A				

Group E	E Group F Group G		Group H		
Model	Model	Model	Model		
PUHY-EP200YHM-A	PUHY-EP250/300YHM-A	PURY-EP250/300YHM-A	PUHY-P200/250YJM-A		
	PURY-EP200YHM-A		PUHY-EP200YJM-A		
			PUHY-P72/96T(Y)JMU-A		

Group J	Group K	Group L	Group M			
Model	Model	Model	Model			
PUHY-P300YJM-A	PUHY-P350/400/450YJM-A	PURY-P250/300/350/400/450YJM-A	PUHY-P72/96T(Y)KMU-A			
PUHY-P120/144T(Y)JMU-A	PUHY-EP250/300YJM-A	PURY-EP250/300/350YJM-A	PUHY-EP200/250YKM-A			
\sim	PURY-P200YJM-A	PURY-P96/120/144T(Y)JMU-A	PUHY-P200/250/300YKC-A			
	PURY-EP200YJM-A		PUHY-P200/250/300YLKC-A			
	PURY-P72T(Y)JMU-A	\sim	PUHY-P300/350YRKC-A			
			PUCY-P200/250/300YKA.TH			
Group N	Group P	Group Q	1			
Model	Model	Model				
PUHY-P120/144T(Y)KMU-A	PURY-P72/96/120/144T(Y)KMU-A	PUHY-P350/400/450YKC-A	1			
PUHY-EP300/350/400/450YKM-A	PURY-EP200/250/300/350/400/450YKM-A	PUHY-P350/400/450YEKC-A	1			
		PUHY-P350/400/450YLKC-A				
\sim	\sim	PUHY-P400/450YRKC-A	1			
		PUCY-P350/400/450/500YKA.TH				

[Installation Procedures]

Install the sensor according to the procedures below.

(1) Turn off the power of the unit, and remove the top panel, bottom panel, and control box cover.

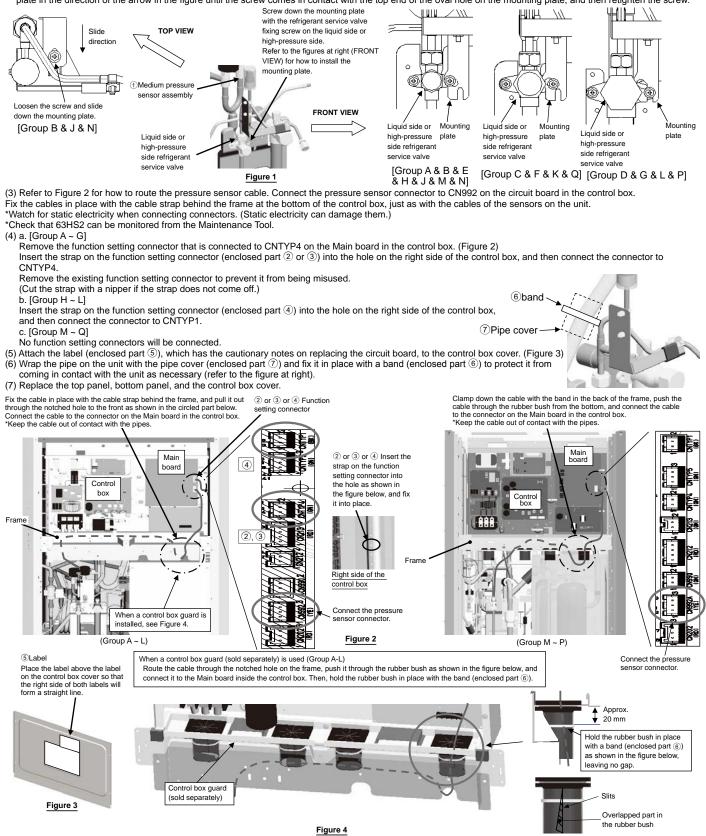
Ш *If the earth wire is connected as shown in the left figure at right (Before), change it to the position as shown in the right figure at right (After)

(2) Remove the lid of the service port on the service valve (liquid side for Y series or high-pressure side for R2 series), and install the medium pressure sensor assembly ① as shown in Figure 1. (Tighten the nut at the service port to a torque of 38±4N·m.)

Apply some sealing material (ThreeBond 1110D, field-supplied) to the service port screws to keep water out of the screw part. Screw down the mounting plate of the medium pressure sensor with the fixing screw on the right side of the refrigerant service valve, which can be found either on the liquid side (Y series) or on the high-pressure side (R2 series). Earth Screw pos.

*At the completion of installation, check for a refrigerant gas leak.

*On the units in Groups B, J, and N, loosen the screw on the mounting plate (refer to Figure 1 TOP VIEW), slide the mounting plate in the direction of the arrow in the figure until the screw comes in contact with the top end of the oval hole on the mounting plate, and then retighten the screw.



Before

After

Earth Screw pos.