

PAC-AH-M-J

Air Handling Unit Controller

The Air Handling Unit Controller is an interface to allow connection to third party manufacturer equipment.

Mitsubishi Electric City Multi outdoor units can be used with this interface box, creating an ideal solution when a unique air handling unit is required. The Air Handling Unit Controllers are supplied with LEV expansion device(s).

- Discharge or return air temperature control
- Temperature set point by control 0-10VDC
- Auto mode available for ease of application
- Error input
- IP2X rated (only for internal use)



Technical Information

PAC-AH-M-J - AHU CONTROLLER

MODEL REFERENCE	PAC-AH125M-J	PAC-AH125M-J	PAC-AH140M-J	PAC-AH250M-J	PAC-AH250M-J	PAC-AH500M-J	PAC-AH500M-J
AIR HANDLING UNIT SIZE	P100	P125	P140	P200	P250	P400*2	P500*2
ALLOWED HEAT EXCHANGER CAPACITY (kW) - HEATING	10.0 - 12.5	12.5 - 16.0	16.0 - 18.0	18.0 - 25.0	25.0 - 31.5	40.0 - 50.0	50.0 - 63.0
ALLOWED HEAT EXCHANGER CAPACITY (kW) - COOLING	9.0 - 11.2	11.2 - 14.0	14.0 - 16.0	16.0 - 22.4	22.4 - 28.0	36.0 - 45.0	45.0 - 56.0
ALLOWED HEAT EXCHANGER VOLUME (cm ³)	1500 - 2850	1900 - 3550	2150 - 4050	3000 - 5700	3750 - 7100	6000 - 11400	7500 - 14200
REFERENCE AIR FLOW RATE (m ³ /h)*3	2000	2500	3000	4000	5000	8000	10000
STANDARD EVAPORATOR PATH NUMBER*1	4 - 5	4 - 5	5 - 6	6 - 10	8 - 10	16 - 20	16 - 20
DIMENSIONS (mm)							
Width	328	328	328	328	328	328	328
() = Inc Mountings							
Depth	104 (122)	104 (122)	104 (122)	104 (122)	104 (122)	104 (122)	104 (122)
Height	378 (420)	378 (420)	378 (420)	378 (420)	378 (420)	378 (420)	378 (420)
WEIGHT (kg)	5	5	5	5	5	5	5
PIPE SIZE mm(in)							
Gas	15.88(5/8")	15.88(5/8")	15.88(5/8")	19.05(3/4")	22.22(7/8")	28.58(1 1/8")	28.58(1 1/8")
Liquid	9.52(3/8")	9.52(3/8")	9.52(3/8")	9.52(3/8")	9.52(3/8")	12.7(1/2")	15.88(5/8")

Note: One air handling unit controller is required per air handling unit. Saturated refrigerant temperature at exit of evaporator = 8.5°C, SH = 5K, liquid temperature = 25°C, air = 27°CDB/19°CWB

*1 When the diameter of the heat exchanger tube is ø9.52. *2 P400 and P500 are not compatible with PURY and PQRY.

*3 If using in combination with standard indoor units, then these figures do not apply.

APPLICABLE OUTDOOR UNITS

PUHY-P Y(S)JM-A	PURY-P Y(S)JM-A
PUHY-EP Y(S)JM-A	PURY-EP Y(S)JM-A
PUHY-HP Y(S)HM-A	PURY-RP YJM-B
PUHY-RP Y(S)JM-B	PQRY-P Y(S)HM-A
PQHY-P Y(S)HM-A	

Example:

