

CITY MULTI CONTROLLER QUICK REFERENCE



CENTRALIZED CONTROLLERS

REMOTE CONTROLLERS



MODEL	INTEGRATED CENTRALIZED CONTROL WEB ^{*13}	AE-200 / AE-50		EW-50		TC-24	SMART ME	WIRED MA	SIMPLE MA	WIRELESS MA		LOSSNAY®	LOSSNAY®
		AE-200A ^{*1} / AE-50A ^{*1}	BROWSER	EW-50A	BROWSER	TC-24B ^{*1}	PAR-U01MEDU-K	PAR-33MAA-J	PAC-YT53CRAU	PAR-FL32MA ^{*7}	PAR-FA32MA ^{*10}	PZ-60DR	PZ-43SMF-E
No. OF UNITS CONTROLLABLE (GROUPS (G)/ INDOOR UNITS (IU))	2000 G / 2000 IU	200 G / 200 IU ^{*12}	50 G / 50 IU	50 G / 50 IU		24 G / 24 IU	1 G / 16 IU	1G / 16 IU	1 G / 16 IU	1 G / 16 IU		1 G / 15 IU	1 G / 15 IU
ON / OFF	✓	✓ ^{*8}	✓	✓ ^{*8}	✓	✓	✓	✓	✓	✓	✓		
MODE OPERATIO N	✓	✓ ^{*2}	✓		✓ ^{*2}	✓ ^{*2}	✓ ^{*2}	✓ ^{*2}	✓	✓			
TEMPERATURE SETTING	✓	✓	✓		✓	✓	✓	✓	✓	✓			
DUAL SET POINT SUPPORT	✓	✓	✓		✓	✓	✓	✓	✓	✓			
LOCAL PERMIT / PROHIBIT	✓	✓	✓		✓	✓	✓ ^{*5}	✓ ^{*5}	✓	✓ ^{*5}			
OCCUPANCY STATUS ^{*4}	✓	✓	✓		✓		✓ ^{*6}						
FAN SPEED	✓	✓	✓		✓	✓	✓	✓	✓	✓			
AIR FLOW DIRECTION	✓	✓	✓		✓	✓	✓	✓	✓	✓			
SPACE TEMPERATURE	✓	✓	✓		✓	✓	✓	✓	✓	✓			
FILTER STATUS	✓	✓	✓		✓	✓	✓	✓	✓	✓			
ERROR RECORD	✓	✓	✓		✓	✓	✓	✓	✓	✓			
ERROR FLASHING	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ERROR CODE	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
SCHEDULE MODE	✓	✓	✓		✓	✓	✓						
FAN SPEED / VANE DIRECTION	✓	✓	✓		✓	✓							
DAILY	✓	✓	✓		✓	✓	✓	✓					
WEEKLY	✓	✓	✓		✓	✓	✓	✓					
ANNUAL (DAY / MONTH)	50 / 24 ^{*11}	50 / 24 ^{*11}	50 / 24 ^{*11}		50 / 24 ^{*11}								
SET TIMES ON / OFF DAILY							✓	✓					
SET TIMES ON / OFF WEEKLY	24 x 7	24 x 7	24 x 7		24 x 7	16 x 7	8 x 7	8 x 7					
SETBACK OVERRIDE TIMER						✓	✓						
AUTO OFF TIMER							✓	✓					
SET TEMP RANGE LIMIT	✓	✓	✓		✓	✓	✓	✓	✓				
DISPLAY 0 F / 0 C	✓	✓	✓		✓	✓	✓	✓	✓	✓			
IP ADDRESS		✓	✓	✓	✓								
M-NET ADDRESS		✓	✓ ^{*3}		✓ ^{*9}	✓	✓						
AUTO LOCK DISPLAY	✓	✓					✓						
LANGUAGE SETTING	✓	✓	✓		✓	✓	✓	✓					
GROUPS SETTING	✓	✓	✓		✓	✓	✓	✓ ^{*9}	✓ ^{*3}	✓ ^{*3}			
BLOCKS SETTING	✓	✓	✓		✓	✓							
FLOOR LAYOUT	✓	✓											
BACK-UP SYSTEM DATA	✓	✓	✓		✓								
LOSSNAY ON / OFF	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓
LOSSNAY GROUP SETTINGS	✓	✓	✓		✓	✓					✓		
LOSSNAY INTERLOCK SETTINGS	✓	✓	✓		✓	✓	✓	✓	✓				
LOSSNAY FAN SPEED	✓	✓	✓		✓	✓	✓	✓			✓	✓	✓
LOSSNAY MODE	✓	✓	✓		✓	✓					✓		✓

*1: Touch screen.

*2: Setback mode allows for the setting of upper and lower limits to control space conditions when unoccupied.

*3: Cross-over wiring is required between indoor units for group operation.

*4: SmartME Remote Controller connection required to determine occupancy in each group.

*5: Prohibited from Centralized Controllers depending on connected equipment.(start/stop, change mode, set temp, reset filter, change fan speed and change air direction).

*6: Built-in motion and brightness sensor can be set to determine occupancy in the space.

*7: Requires Wireless MA Receiver PAR-FA32MA for units without built in receiver.

*8: Status LED indicating when any IDU in ON.


*9: M-NET address set in INITIAL SETTINGS on browser.*10: Wireless Receiver PAR-FA32MA. For use with Wireless Remote Controller PAR-FL32MA.

*11: Up to 50 dates can be assigned using one of five customizable patterns.

*12: By networking three AE-50A or EW-50A Controllers to an AE-200A , up to 200 units can be controlled.

*13: Requires Initial Setting Tool for Integrated Centralized Control Web set-up and Initial Settings section.

CITY MULTI INDOOR UNIT QUICK REFERENCE

		WALL-MOUNTED	CEILING-RECESSED			CEILING-SUSPENDED	CEILING-CONCEALED			FLOOR-STANDING		MULTI-POSITION	
		PKFY	PLFY		PMFY	PCFY	PEFY			PFFY		PVFY	
		PKFY-P**N(B,H,K)MU-E2	PLFY-P**NEMU-E 4-Way 33" x 33"	PLFY-P**NCMU-ER4 4-Way 24" x 24"	PMFY-P**NBMU-ER5 1-Way	PCFY-P**NKMU-ER1	PEFY-P**NMSU-ER2 Low Profile	PEFY-P**NMAU-E3 Medium Static	PEFY-P**NMH(S)U-E(2) High Static Option	PFFY-P**NEMU-E Exposed	PFFY-P**NRMU-E Concealed	PVFY-P**NAMU-E1	
Nominal Capacities Btu/h		Model / CFM	Model / CFM	Model / CFM	Model / CFM	Model / CFM	Model / CFM / ESP	Model / CFM / ESP	Model / CFM / ESP	Model / CFM	Model / CFM	Model / CFM / ESP	
Cooling ¹	Heating ²												
6,000	6,700	P06 / 170-180-200-210			P06 / 230-254-283-307		P06 / 176-212-247 / .02-.20	P06 / 212-265-300 / .14-.60		P06 / 194-229	P06 / 194-229		
8,000	9,000	P08 / 320-370-413	P08 / 494-530-547-565	P08 / 280-320-350	P08 / 258-283-304-328		P08 / 194-247-317 / .02-.20	P08 / 212-265-300 / .14-.60		P08 / 194-229	P08 / 194-229		
12,000	13,500	P12 / 320-370-413	P12 / 494-530-547-565	P12 / 320-350-390	P12 / 258-283-304-328		P12 / 211-282-370 / .02-.20	P12 / 265-318-371 / .14-.60		P12 / 247-317	P12 / 247-317	P12 / 280-340-400 / .30-.80	
15,000	17,000	P15 / 320-370-413	P15 / 494-530-547-565	P15 / 320-350-390	P15 / 272-307-343-378	P15 / 353-388-424-459	P15 / 282-335-388 / .02-.20	P15 / 353-424-494 / .14-.60	P15 / 353-494 / .40-1.00	P15 / 300-388	P15 / 300-388		
18,000	20,000	P18 / 320-370-425	P18 / 494-530-565-636				P18 / 353-441-529 / .02-.20	P18 / 424-512-600 / .14-.60	P18 / 353-494 / .40-1.00	P18 / 353-459	P18 / 353-459	P18 / 410-497-585 / .30-.80	
24,000	27,000	P24 / 570-920	P24 / 565-636-706-777				P24 / 423-565-706 / .02-.20	P24 / 618-742-883 / .14-.60	P24 / 477-671 / .40-1.00	P24 / 353-494	P24 / 353-494	P24 / 515-625-735 / .30-.80	
27,000	30,000							P27 / 618-742-883 / .14-.60	P27 / 547-777 / .40-1.00				
30,000	34,000	P30 / 710-920	P30 / 565-636-742-812					P30 / 618-742-883 / .14-.60	P30 / 636-883 / .40-1.00			P30 / 613-744-875 / .30-.80	
36,000	40,000		P36 / 777-883-989-1059					P36 / 812-989-1165 / .14-.60	P36 / 936-1342 / .40-1.00			P36 / 767-931-1095 / .30-.80	
48,000	54,000		P48 / 777-954-1095-1236					P48 / 989-1201-1412 / .14-.60	P48 / 936-1342 / .40-1.00			P48 / 980-1190-1400 / .30-.80	
54,000	60,000							P54 / 1042-1254-1483 / .14-.60	P54 / 989-1412 / .40-1.00			P54 / 1040-1262-1485 / .30-.80	
72,000	80,000								P72 / 1766-2154-2542 / .20-1.00				
96,000	108,000								P96 / 2048-2507-2966 / .20-1.00				
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Line Sizes		P06 - P18 1/4", 1/2" P24, P30 3/8", 5/8"	P08 - P18 1/4", 1/2" P24 - P48 3/8", 5/8"	1/4", 1/2"	1/4", 1/2"	1/4", 1/2"	P15 1/4", 1/2" P24 - P36 3/8", 5/8"	P06 - P18 1/4", 1/2" P24 3/8", 5/8"	P06 - P18 1/4", 1/2" P24 - P54 3/8", 5/8"	P15 - P18 1/4", 1/2" P24 - P54 3/8", 5/8" P72 3/8", 3/4" P96 3/8", 7/8"	P06 - P18 1/4", 1/2" P24 3/8", 5/8"	P06 - P18 1/4", 1/2" P24 3/8", 5/8"	P12 - P18 1/4", 1/2" P24 - P54 3/8", 5/8"
Voltage		1-phase, 208/230 V 60Hz	1-phase, 208/230 V 60Hz	1-phase, 208/230 V 60Hz	1-phase, 208/230 V 60Hz	1-phase, 208/230 V 60Hz	1-phase, 208/230 V 60Hz	1-phase, 208/230 V 60Hz	1-phase, 208/230 V 60Hz	1-phase, 208/230 V 60Hz	1-phase, 208/230 V 60Hz	1-phase, 208/230 V 60Hz	
Max. Overcurrent Protection (MOCP)		15 Amp	15 Amp	15 Amp	15 Amp	15 Amp	15 Amp	15 Amp	15 Amp	15 Amp	15 Amp	15 Amp	
Unit Height		11-5/8" - 14-3/8"	10-3/16" - 11-3/4"		9-1/16"	9-1/16"	7-7/8"	9-7/8"	24-13/16"		P12-24 50-1/4" P30-36 54-1/4" P48-54 59-1/2"		
Sound Levels dB(A) Pressure		P06 32-33-35-36 P08, P12, P15 34-39-43 P18 36-41-45 P24 39-49 P30 43-49	P08, P12 27-29-30-31 P15 27-29-30-31 P18 28-29-30-32 P24 28-31-34-37 P30 28-32-35-37 P36 35-38-41-43 P48 36-39-42-45	P08 29-32-38 P12 30-34-39 P15 31-35-40	P06 27-30-33-35 P08, P12 32-34-36-37 P15 33-35-37-39	P15 29-32-34-36 P24 31-33-35-37 P30 34-37-40-43 P18 30-34-37 P36 36-39-42-44	P06 22-24-28 P08 23-26-30 P12 23-28-35 P15 28-30-33 P18 30-34-37 P24 30-35-40	P06, P08 26-28-29 P12, P15 28-30-34 P18 28-32-35 P24, P27, P30 30-34-39 P36 32-37-41 P48 35-40-44 P54 36-41-45	P15, P18 39-45 P24 40-46 P27 38-44 P36, P48 40-46 P54 41-47, P72 36-39-43 P96 39-42-46	P06, P08 36-41 P12 37-41 P15, P18 38-43 P24 40-46	P06, P08 36-41 P12 37-41 P15, P18 38-43 P24 40-46	P12 27-31-35 P18 28-32-36 P24 30-34-38 P30 32-36-40 P36 35-39-43 P48 35-39-43 P54 36-40-44	
Air Discharge													
Vane(s) Control		Yes	Yes Individual and Auto Wave	Yes	Yes	Yes	---	---	---	---	---	---	
Vane(s) Swing Mode		Yes, except not on P06	Yes	Yes	Yes	Yes	---	---	---	---	---	---	
Auto Fan Mode		Yes P08, P12, P15	Yes	---	---	Yes	Yes	Yes	---	---	---	Yes	
Louver Adjust (L to R)		Manual	---	---	Manual	Manual	---	---	---	---	---	---	
Condensate Removal													
Condensate Pump (Lift)		X87-721 MaxiBlue ³ Si30-230 Sauermann ³	Standard 33-7/16"	Standard 19-3/4"	Standard 23-5/8"	P15 PAC-SH83DM-E P24, P30, P36 PAC-SH84DM-E 23-5/8"	Standard 21-11/16"	Standard 27-9/16"	P15-P54 Standard P72, P96 PAC-KE05DM-F 27-9/16"	X87-721 MaxiBlue ³ Si30-230 Sauermann ³	X87-721 MaxiBlue ³ Si30-230 Sauermann ³	X87-721 MaxiBlue ³ Si30-230 Sauermann ³	
Alarm/Safety Switch ⁴		P06 CN20 / All others CN4F	Standard	Standard	Standard	Connect to CN4F	Standard	Standard	With pump kit or connect to CN31 (CN4F for P72-P96)	Connect to CN31 on board	Connect to CN31 on board	Connect to CN4F	
Miscellaneous													
Ventilation Air Option		---	one 4" Ø std., two add'l 4" Ø opt. ⁵	3" Ø	two - 4" Ø	4" Ø	Return Duct	4" Ø cabinet or return ⁶	Return Duct	---	---	Return Duct	
Branch Duct Capable		---	Yes	---	---	---	---	---	---	---	---	---	
Condensate Prevention Heater ⁷		---	Yes	Yes	---	---	---	---	---	---	---	---	
Filter (Type)		Standard	Long Life	Long Life	Standard	Long Life	Standard	Standard	Field Supplied	Standard	Standard	Standard	
Accessories													
Auxiliary Heater Interlock Kit ⁸		P06 PAC-725AD P08, P30 CN24 RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	
Filter		---	PAC-SH59KF-E (MERV 10) ¹¹	---	---	PAC-SH**KF-E (MERV 8) ¹⁰	MERV 8 Filter (included in FBL box)	MERV 13 Filter (included in FBM box)	MERV 13 Filter (included in FBH box)	---	---	---	
Filter Box / Casement		---	PAC-SJ41TM-E (Multi-Fx Casement) ¹²	---	---	---	FBL1-* Filter Box ⁹	FBM2-* Filter Box ⁹	P15-P54 FBH2-* Filter Box ⁹ P72-P96 FBH4-4 Filter Box ⁹	---	---	---	
Other		---	PAC-SJ37SP-E (Air Shutter Plate) ⁹ PAR-SR3LA-E (Wireless receiver)	---	---	---	PAC-SH91MK-E (i-see sensor) PAR-SL93B-E (Wireless receiver) PAR-SA92MW (Receiver + i-see)	Bottom Return Plate: P06-P12 BRP-1 P15-18 BRP-2 P24 BRP-3	---	---	---	PAC-735 Fan Speed Indication Adapter	

Notes:

*1: Nominal cooling conditions
Indoor: 80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)
Outdoor: 95° F D.B. (35° C D.B.)
Pipe length: 25 ft. (7.6m)
Level difference: 0 ft. (0 m)

*2: Nominal heating conditions 70° F D.B. (21.1° C D.B.)
47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C W.B.) 25 ft. (7.6m) 0 ft. (0 m)

*3: Condensate lift varies with installation factors such as suction lift and total tubing length.

*4: If water is detected, the fan stays on, the LEV closes and an error code displays. Code 2502 for wet sensor or 2503 for faulty sensor or board circuit.

*5: The standard unit has a 4" Ø duct knockout available. Optional multi-function casement has two additional 4" Ø duct knockouts available.

*6: Return is field convertible from back to bottom return.

*7: Mounted in the grille perimeter to prevent condensate from forming on the surface.

*8: Relay kit interlocks a field supplied heater to the indoor unit.

*9: Kit includes two pieces to cover two outlets.

*10: See submittal for complete model.

*11: Requires the use of the PAC-SJ41TM-E multi-function casement

*12: Filter is not included with the multi-function casement.

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