Centralized controller AE-200E/AE-50E



284(W) x 200(H) x 65(D) mm 11-3/16(W) x 7-7/8(H) x 2-9/16(D) in.

Promotes energy savings through the comprehensive display of the air-conditioning equipment's energy consumption

- Energy consumption of the air-conditioning equipment can be displayed by individual area in graph form for easier viewing
- · Users can easily confirm the operating status by comparing power consumption of the previous year, as well as with the electrical power target.
- Floor layout is displayed on the 10.4-inch LCD touch panel for easier management of air-conditioning equipment.

An optimal system can be easily and flexibly established according to a facility's scale.

- Up to 50 indoor units can be managed.
- · Centralized control of up to 200 indoor units can be performed with three "AE-50E/EW-50E" expansion controllers.
- More than 200 indoor units can be managed by connecting the PC to the web browser.*1
- *1. Please contact your local distributor regarding support for this feature.

Screen for Power Consumption



(locally available one) are required.

Energy consumption of a targeted area is displayed by month, day, and hour. Energy consumption of two different units, groups, and blocks can be compared. Fan operation time and energy consumption can be displayed.

Energy consumption of air-conditioning equipment can be ranked and displayed by individual equipment or area. Visualization of high-load components is possible. Energy consumption can also be compared with electrical energy targets.



Comparing the number of connectable units

System Structure



Functions

Item	Description	Operations	Display
Controllable number of units	Up to 50 units/50 groups		
ON/OFF	ON and OFF operation for the air conditioning units and general equipment. (PAC-YG66DCA is required to operate general equipment.)	$\bigcirc \bigcirc \triangle \bullet$	00
Operation mode	Switches between several operation modes depending on the air conditioning unit. Air conditioning unit: Cool/Dyn/Auto(*)/Fan/Heat LOSSNAY unit: Heat Recovery/Bypass/Auto * Auto mode is for CITY MULTI R2 and WR2 Series only.	$\bigcirc \bigcirc \land \bullet$	0
Temperature setting	Coo/Dry: 19-35°C [67-95°F] (14-30°C [57-87°F]) Heat: 4.5-28°C [40-83°F] (17-28°C [63-83°F]) Auto: 19-28°C [67-83°F] (17-28°C [63-83°F]) The range of temperature depends on the air conditioning unit. Values in parentheses "()" are in cases where the middle-temperature is used on PDFY, PEFY-VML/VMR/VMS/VMH-by setting DipSW7-1 to ON. Note: PEFY-P-VMH-E-F is excluded.	$\bigcirc \bigcirc \triangle \bullet$	0
Fan speed setting	Models with 4 air flow speed settings: Hi/Mid-2/Mid-1/Low Models with 3 air flow speed settings: Hi/Mid/Low Models with 2 air flow speed settings: Hi/Low Fan speed setting (including Auto) varies depending on the model.	○◎△●	0
Air flow direction setting	Air flow direction angles, 4-angles or 5-angles Swing, Auto (Louver cannot be set)	$00\Delta \bullet$	0
Schedule operation	Weekly schedule can be set by groups based on daily operation pattern.	$00\Delta \bullet$	0
Permit/prohibit local operation	Individually prohibits operation of each local remote controller function. (ON/OFF, Operation mode, Set temperature, Filter sign reset, Air Direction*, Fan Speed*, Timer*) * This function depends on the model.	$\bigcirc \bigcirc \land \bullet$	0
Indoor unit intake temperature	Measures the intake temperature of the indoor unit only when the indoor unit is operating.	×	0
Error	When an error is currently occurring on an air conditioning unit, the affected unit and the error code are displayed.	×	
Test run	This operates air conditioning units in test run mode.	$00\Delta \bullet$	0
Ventilation interlock	The ventilation unit (LOSSNAY) is able to automatically start its operation when operation of the interlocked indoor unit starts.	$00\Delta \bullet$	0
External input (timer connection, emergency stop input, etc.)	Using a level signal or pulse signal, it is possible to input the following: Level signal: Emergency Stop Input, Batch ON/OFF, and Demand Input. Pulse signal: Batch ON/OFF or Operation Disable/Enable * Requires an external power supply and external I/O adapter (PAC-YG10HA) sold separately. Only one input can be selected from the above inputs.	O	0
Energy Management	Bar Graph: Indoor unit Electric Energy, FAN operation time, Thermo-ON time (TOTAL, Cooling, Heating) can be displayed hourly, daily, and monthly. Line Graph: Outdoor temp., Room temp., Set temp. (Heating, Cooling) input from PAC-YG63MCA and temp. from AHC.	×	
Advanced HVAC Controller (AHC)	The status of AHC can only be monitored.	×	0
ME remote controller	The status of sensor on this controller can be monitored.	×	0
Smartphone/Tablet	The specified web browser on iOS and Android OS can monitor and operate the AE-200E. *1	0	<u> </u>
New web design	Revised web screen design for a more user friendly interface. *1	0040	0
Initial setting software	The initial setting can be configured without an AE-200E connection *1	×	×
Apportionment of power consumption	Apportionment of power consumption can be calculated on the AE-200 *2		
BACnet [®] communication	ANSI/ASHRAE 135-2010 (ISO16484-5) is supported and approved by the BTL. *1	0	×

*1. Please contact your local distributor regarding support for this feature.
*2. Even when the number of indoor units is 50 or less, the system must consist of AE-200E and EW-50E/AE-50E.



Example of AE-200E Functions

Remote air conditioner operation in each room from the front desk

For Hotels

The air conditioner in each room can be remotely operated from the AE-200E installed at the front desk. It is unnecessary to keep air conditioners running; the rooms are air-conditioned before guests enter. All air conditioners in the hotel can be controlled using the scheduling function.



Operation and monitoring using a web browser*

Air conditioning units can be operated and monitored from LAN-connected personal computers, tablets, and smartphones. You can easily see the operation conditions of units in the same manner as when browsing a website.

For Hotels

<image>

You can control air conditioners that have not been turned off while on patrol right from your tablet without returning to the central management office.

* A Wi-Fi router is required to use this function.

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For Offices