ARCHITECTURE

AE-200E

EW-50

EW-50

Max. 50 units

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Up to 200 indoor units

If the AE-200 is not used, up to four EW-50 units may be connected.

Key Technologies

| Silent | +0,5 °C / -0,5 °C | Daily Timer | Weekly Timer | Early Timer | | dual Setpoint | night Setback | M-Net connection | BACnet® |
| AHC compatible | 🌐 | | | | | | | | |

FUNCTION	DESCRIPTION	SETTING	DISPLAY
ON/OFF	Switch the units in the installation on or off.	⊙	⊙
Operating mode	Switches between the different operating modes available, which depend on the units installed: Cool./Dehumid./Auto/Vent./Heat.	⊙	○
Temperature setting	Used to modify temperature settings. The settable temperature range depends on the model of indoor unit installed.	⊙	○
Temperature increment setting	Temperatures may be set and displayed in steps of 0.5°C. *With certain combinations of units, temperatures are set and displayed in 1°C steps.	⊙	○
Fan speed setting	Settable fan speeds may be set to 4 levels, 3 levels, 2 levels or Auto. The settable fan speeds and modes (including Auto mode) depend on the model of indoor unit.	⊙	○
Air flow direction	Five fixed positions or auto-direction mode are selectable (settings and modes available depend on units).	⊙	○
Enable/disable local operations	The following remote control functions may be disabled from specific settings on the centralised controller: ON/OFF, select operating mode, set temperature, fan speed, air flow direction, reset filter indicator lamp.	⊙	○
Ambient temperature display	Displays air temperature at intake of indoor units.	–	○
Error	In the event of a error concerning a unit, the error code and the unit involved are displayed.	–	⊙
Programme	For programming daily/weekly/seasonal weekly/annual timer schedules. The following functions and modes are settable: ON/OFF, operating mode, temperature setting, disable remote control, air flow direction.	⊙	○
Energy management	Displays energy consumption or operating hours. Requires optional device.	–	⊙
Ventilation functions (alone)	Group management is only available for non interlocked Lossnay units. Group functions available include auto ventilation, heat exchange and normal ventilation.	⊙	○
Ventilation functions (interlocked)	Free Lossnay units and indoor units may be interlocked to operate together. In this case, the treated air volume may be managed but the ventilation mode cannot be selected.	⊙	○
External inputs	The following level or impulse signal inputs are available. Level signals: "Emergency shut-off" or "Collective ON/OFF" Impulse signals: "Collective ON/OFF" or "Enable/disable local remote control" • Requires PAC-YG10HA external input/output adapter (purchased separately). Only one input from those listed may be selected.	□	–
External Outputs	"ON/OFF" signal and "Error/Normal" signal. Requires PAC-YG10HA external input/output adapter (purchased separately).	–	□
Web browser	Usable to monitor/control: Errors, filter indicator lamp status, settable temperature range restrictions and other functions.	⊙*1	⊙*1
Filter reset	Reset filter indicator lamp	○	○
Consumption apportioning	The EW-50 controller is capable of calculating consumption values for separate users (requires PRO-3DCHARGE or RMI CHARGE consumption apportioning system).	●	–

○ Each group □ Each unit ● Each block ⊙ Collective

• Notes
*1Certain elements do not support multi-group setting and display functions.

PIN Code licenses for Web Server centralised controllers

PIN Codes are purchasable licenses for enabling optional functions. See following table for details:

PIN Codes

PIN CODE	FUNCTION	3D BLIND CONTROLLER EW-50	3D TOUCH CONTROLLER AE-200
PIN-WEB-PER-150	Personal Web	Optional	Optional
PIN-INT-150	Interlock programming	Optional	Optional

Personal WEB function

The Personal Web functions allows each user of the installation to control their respective air conditioning units individually from a browser installed on a PC. Unlike the standard Web Browser function, which is for managing all the units in the installation, the Personal Web function is configurable to define the units controllable from a browser for each individual user, prohibiting access to all other parts of the installation. This means that each user can only access their own air conditioning units. To use this function, users must be connected by PC to the same LAN network as the centralised controller. Up to 50 users may be defined, with up to 50 units assigned to each user. The functions available from the Personal Web function as the same as those of a conventional remote controller. Functions typically reserved for the administrator of the installation, such as timer functions and fault logs, are not accessible.

The new browser interface also permits control over the system from a tablet or smartphone, by connecting the relative device to the local LAN WiFi network. So in addition to the capabilities of the new interface, this means that users can be allowed access to all available control functions from any of today's most commonly used devices and from anywhere within the Wi-fi coverage zone, simply, immediately and without the need for any additional wiring.

Interlock programming

The interlock programming function may be used to define an interdependent operation relationship between two units in the system. Specifically, this function may be used to define the response of one unit (in terms of operating parameters) to a given event relative to the other unit.

For instance, one air conditioning unit may be programmed to switch on if another air conditioner stops due to a malfunction. Furthermore, interlocked functions may also be controlled from signals received from external systems such as safety systems, magnetic card readers, lighting system controllers etc. For example, the signal from a window open sensor may used to switch off the indoor unit in the relative room.

This makes it possible to manage a complex system efficiently and automatically, defining automated actions to not only improve comfort within the building, but to also respond rapidly in the event of a malfunction.

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