

Job Name:

System Reference:

Date:



EW-50A

- EW-50A can be a Master Controller or Expansion Controller
- Master Controller can operate and monitor up to 50 indoor units
- Expansion Controller can expand an AE-200A to operate and monitor up to 50 additional indoor units through the touch screen or web browser
- Network up to three EW-50A to one AE-200A to allow the AE-200A to manage up to 200 indoor units.

OPTIONAL LICENSES

- SW-BACnet Master or SW-BACnet Expansion: BACnet Function
 - Connected air conditioning units can be monitored and operated not only from the existing web browser or the AE-200/AE-50's LCD, but also from the building management system using the BACnet® communication protocol. See SW-BACnet Data Sheet for more information.
- SW-ChargeExpansion: Energy Allocation
 - The apportioned electricity billing function is an electric energy apportionment system that apportions electric energy using input from electricity meters with a pulse generator function. The respective amounts of electric energy can be apportioned based on the operating status and capacity of each tenant. See SW-Charge Data Sheet for more information.
- SW-PWeb Master or SW-PWeb Expansion: Online Personal Browser
 - Allows tenant managers and general users to control their respective zone conditions via a networked PC, tablet, or mobile phone with or without local remote controllers installed in the space. See SW-PWeb Data Sheet for more information.

SPECIFICATIONS

- Supports dual set point functionality (connected equipment dependent)
- Displays:
 - CITY MULTI® compressor speed and hi/low pressure
 - AdvancedHVAC Controller (DC-A2IO) input/output status
 - Indoor unit free contact input/output status
 - Space temperature and humidity (from Smart ME or AI controller)
 - Error code
(Error codes are able to be emailed automatically to specified recipients)
 - Unoccupied setback up temperature range

- Functions
 - Hold function (temporarily disables schedules indoor unit model dependent)
 - Initial setting
 - Operation data back-up
- Permits or prohibits remote controller functions:
 - On/Off
 - Change Operation Mode
 - Change Set point Temperature
 - Filter Status
 - Change Fan Speed
 - Change Air Direction
- External input/output signals can be used for batch operations such as Start/Stop and Emergency Stop (requires PAC-YG10HA)
- Pulse signal input can obtain watt-hour meter, billing data and energy management data based on the cumulative number of pulse signal pulse signals directly input from a metering device
- Temperature set point range limits can be set for local remote controllers
- User defined indoor unit functions:
 - On/Off
 - Monitoring and Operation
 - Operation mode:
 - Auto* (Dual or Single set point)
 - Heat
 - Fan
 - Drying
 - Setback*
Note: *R2 Series only (connected equipment dependent)
 - Temperature Setting
 - Fan Speed
 - Airflow Direction
- Monitoring and Control:
 - CITY MULTI® indoor units
 - M- and P-Series units (requires M-Net adapter)
 - Lossnay® units
 - PWFY hydronic heat pump units
 - DIDO controllers
 - CITY MULTI® DOAS
 - Interlock setting enables integration of general equipment inputs/outputs and indoor units
- Scheduling
 - Daily
 - Annually
 - Five pattern of weekly seasonal schedule
- Twenty four scheduled events per day, indoor unit model dependent:
 - ON/OFF
 - Mode
 - Temperature Setting
 - Vane Direction
 - Fan
 - Speed
 - Operation Prohibits
- Trend data:
 - Fan operation time
 - Thermo-on time
 - Set temperature
 - Room temperature
 - AI Controller temperature and humidity
(requires PAC-YG63-MCA, 2 inputs total for each controller)
- Memory back up via USB (universal serial bus)
- Memory back up via LAN (Local Area Network) port

Model: EW-50A - Specifications, cont.

EW-50A Expansion Controller

Item	Specifications	
Power Supply	Rated input	100–240 VAC ± 10%; 50/60 Hz Single-phase
M-NET power feeding coefficient		1.5
Ambient conditions	Temperature	Operating Range
		Non-operating Range
	Humidity	
Weight		1.7 kg (4 lbs)
Dimensions (W x H x D)		172 × 209 × 92 mm (6-13/16 × 8-4/16 × 3-10/16 in) **253 × 172 × 92 mm (10 × 6-13/16 × 3-10/16 in) when using L-fittings
Installation conditions		Only in a metal control box indoors

Web Browser Requirements

Item	Requirements
CPU	1 GHz or faster
Memory	512 MB or more
Screen Resolution	1366 x 768 or higher recommended
Compatible Browser	<p>Windows®</p> <p>Microsoft® Internet Explorer 8.0 Microsoft® Internet Explorer 9.0 Microsoft® Internet Explorer 10.0 Microsoft® Internet Explorer 11.0 **Java execution environment is required. (Verified to run on Oracle® Java Plug-in Ver. 1.8.0_25) **Install Oracle® Java Plug-in that is appropriate for your operating system. When using a 64-bit OS, install a 32-bit and a 64-bit Java Plug-in. **The version of the Oracle® Java Plug-in can be verified by clicking [Java] in the Control Panel.</p>
Onboard LAN Port or LAN Card	100 BASE-TX
100 BASE-TX	e.g., mouse

Notes:

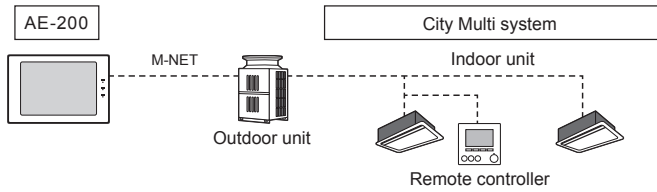
Models: EW-50A - System Configuration

*AE-200A is indicated as AE-200

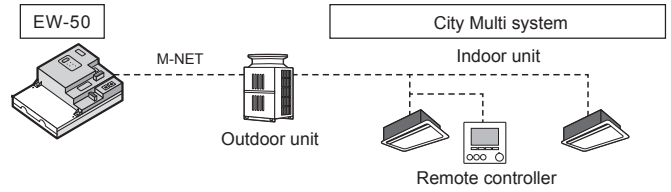
*AE-50A is indicated as AE-50

Controlling 50 or fewer units of equipment

1. AE-200



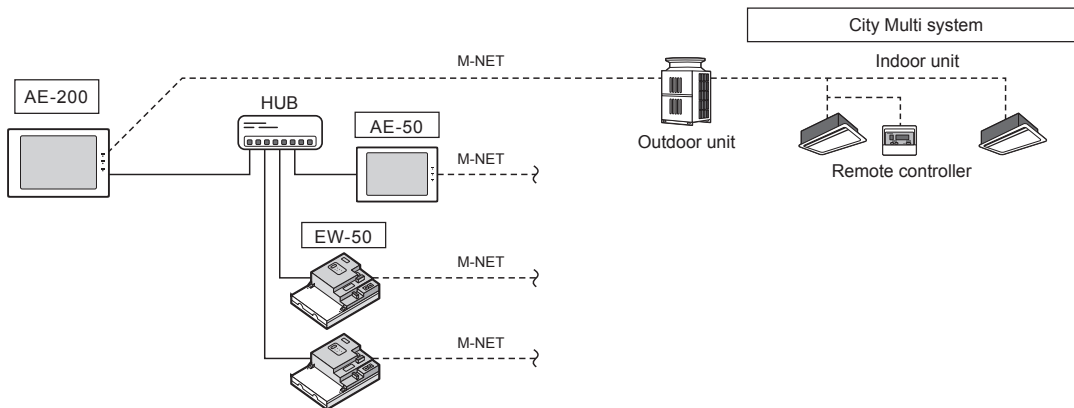
2. EW-50



Controlling more than 50 units of equipment (with connection to an AE-200 controller)

Note

AE-200 is required when using AE-50.

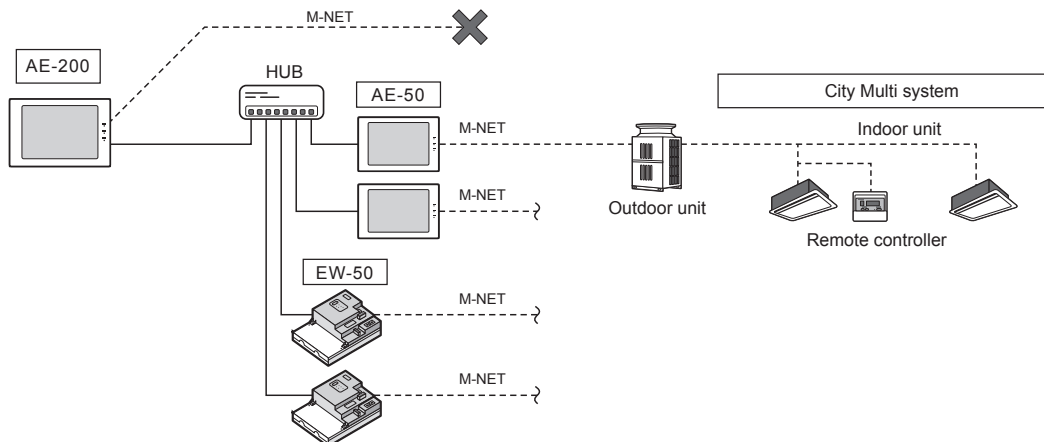


When using an apportioned electricity billing function

Note: AE-200 is required to use a billing function.

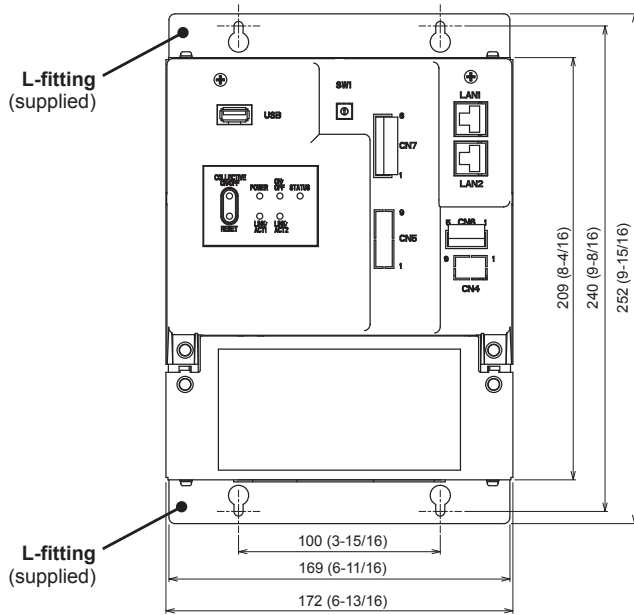
Note: AE-200 M-NET cannot be used when a billing function is used.

Note: "Charge" license is required to use a billing function.

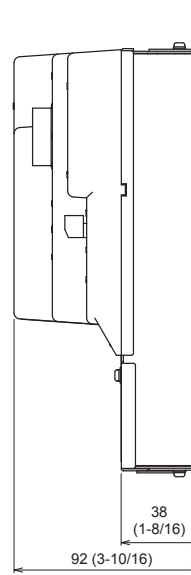


Model: EW-50A - Dimensions

(1) When using L-fittings



Unit: mm (in)



(2) When using DIN rail

