Job Name:

Schedule Reference: | Date:

AE-200A

- AE-200A Central Controller.
- Manages up to three AE-50/EW-50 expansion modules.
- Monitoring Annual and Weekly Scheduling, Sending Error Email, Online Maintenance Tool, Interlock Control and Data Monitoring
-

OPTIONAL SOFTWARE (Pin Code Purchase Required*)

- AE-200-PCS - Proportion Charging Function: Tenant Billing

- AE-200-PW - Personal Web Function

- AE-200-PLC - PLC General Equipment Function

- AE-200-BACNET - BACnet Interface Function

  *Pin Codes must be purchased separately for AE-200 and AE-50/EW-50 expansion modules in any configuration.

AE-200A CENTRALIZED CONTROLLER SPECIFICATIONS

- Manages up to 50 indoor units individually, in a group or in a collective batch operation
- Manages up to 200 indoor units when installed with three AE-50A expansion controllers
- Supports dual set point functionality (connected model dependent)
- Displays:
  - CITY MULTI® compressor speed and hi/low pressure
  - Advanced HVAC 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
  - 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)

- 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)
    - Cool
    - 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 & 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 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)
- 10.4" back lit, high resolution LCD color, touch panel, diagonal display
- Memory back up via USB (universal serial bus) port

Specifications are subject to change without notice.

Model: **AE-200A - Specifications, cont.**

AE-200A Centralized Controller

Item		Specifications	
Power Supply*	Rated input	100–240 VAC ± 10%; 0.3–0.2 A 50/60 Hz Single-phase	
	Fuse	250 VAC 6.3 A Time-Lag type (IEC 60127-2S.S.5)	
M-NET power feeding capability		No specifications**Only an MN converter can be connected.	
Ambient conditions	Temperature	Operating Range	0° C – +40° C (+32° F – +104° F)
		Non-operating Range	-20° C – +60° C (-4° F – +140° F)
	Humidity	30-90% RH (No condensation)	
Weight		2.3 kg (5-5/64 lbs)	
Dimensions (W x H x D)		11-5/32 × 7-55/64 × 2-17/32 in. (284 × 200 × 65 mm)	
Installation conditions		Indoor only **To be used in a business office or similar environment	

*Note: Requires separate PAC-SC51KUA (Power Supply Unit) in certain applications/configurations.
Please refer to the Installation Manual for more information.
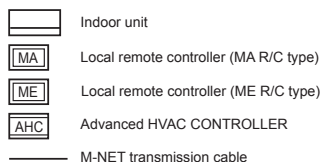
Web Browser Requirements

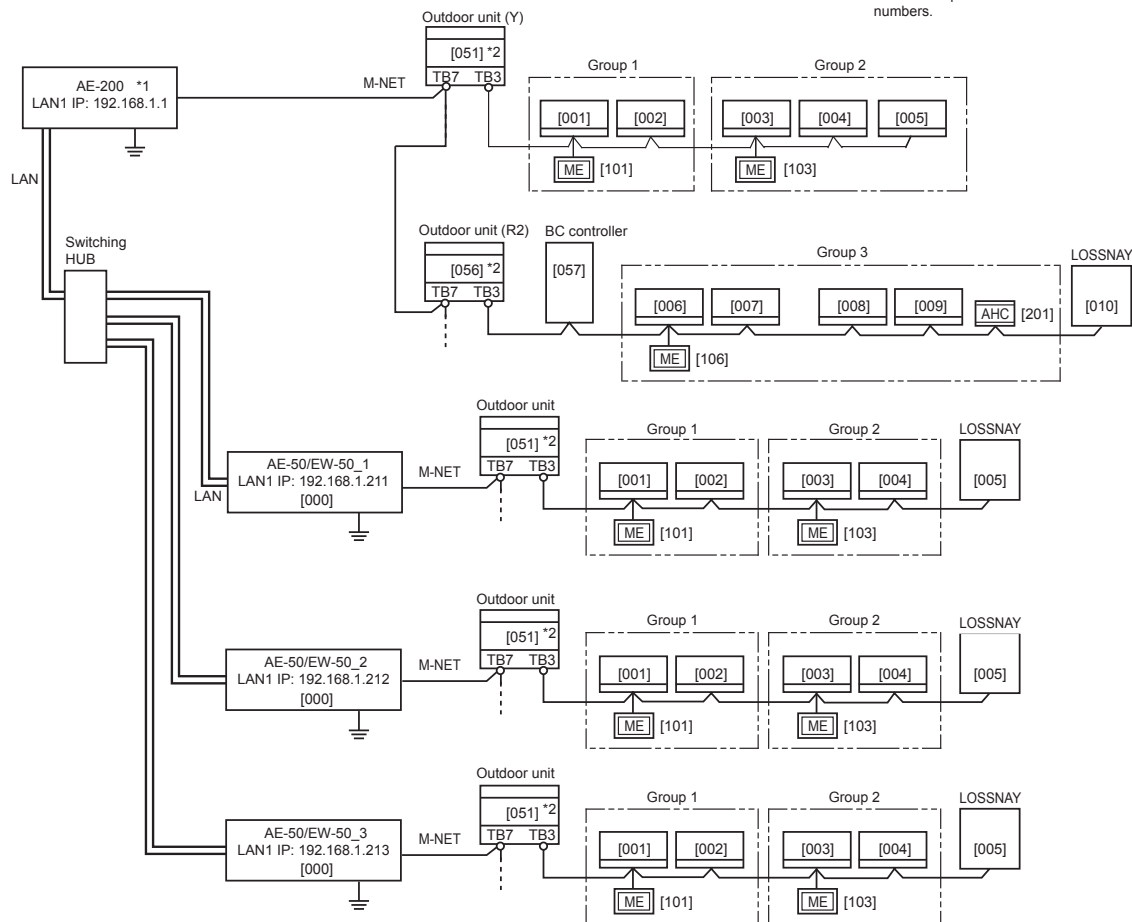| Item		Requirements
CPU		1 GHz or faster
Memory		512 MB or more
Screen Resolution		1024 x 768 or higher recommended

Compatible Browser	**Windows®**	Microsoft® Internet Explorer 8.0
		Microsoft® Internet Explorer 9.0
		* Java execution environment is required.
		  (Oracle® Java Plug-in Ver. 1.7.0_11)
		* Install Oracle® Java Plug-in that is appropriate for your operating system.
		  When using a 64-bit Internet Explorer, install a 64-bit Java Plug-in.
		* The version of the Oracle® Java Plug-in can be verified by clicking [Java] in the Control Panel.

	Macintosh	Safari 6 * Java execution environment is required. (Oracle® Java Plug-in Ver. 1.7.0_11) * The version of the Oracle® Java Plug-in can be verified by clicking [Help]-[Installed Plug-ins] on the Safari browser.
Onboard LAN Port or LAN Card		One connector (100BASE-TX)
Other		Pointing device such as a mouse.

Notes:

Specifications are subject to change without notice.

*AE-200A is indicated as AE-200

*AE-50A is indicated as AE-50

*EW-50A is indicated as EW-50

☐	Indoor unit
MA	Local remote controller (MA R/C type)
ME	Local remote controller (ME R/C type)
AHC	Advanced HVAC CONTROLLER
———	M-NET transmission cable

Numbers in parentheses indicate address numbers.

*1 Leave the M-NET power jumper connected to CN21 on the AE-200.

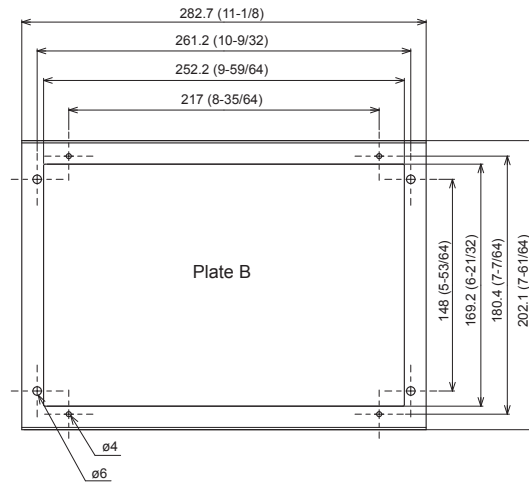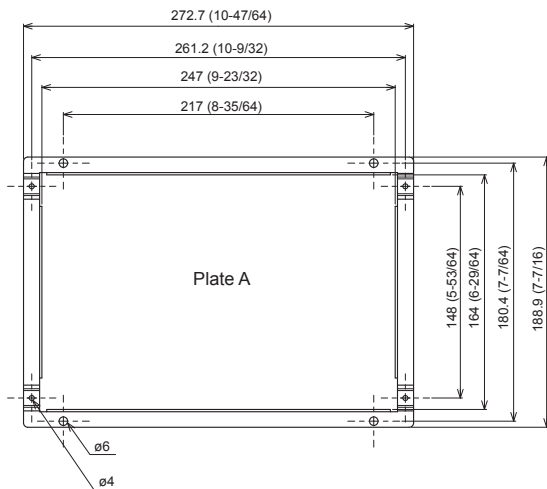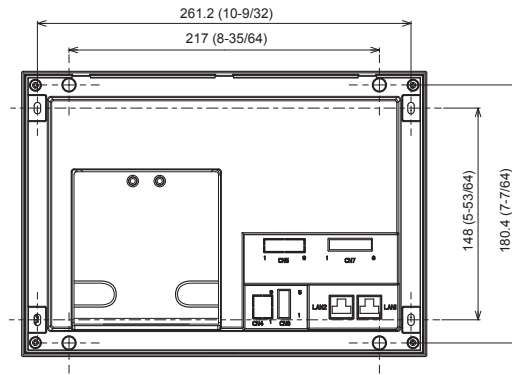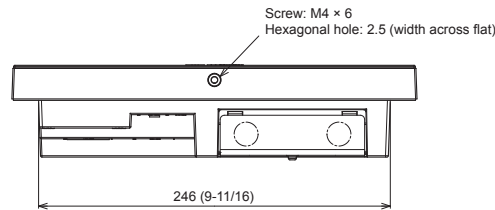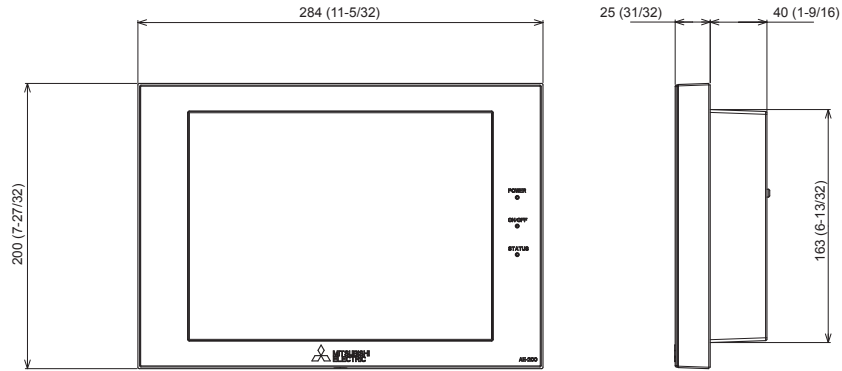*2 Leave the M-NET power jumper connected to CN41 on all outdoor units.

Note

● The same M-NET address cannot be used more than once in an M-NET system that directly connects to each AE-200/AE-50. See (1) above for the addresses for the equipment that are connected to the AE-50 within an M-NET system.

Specifications are subject to change without notice.

4-2. External dimensions

* The dimensions of AE-200 and AE-50 are the same.

Unit: mm (in)

284 (11-5/32)
200 (7-27/32)
25 (31/32)
40 (1-9/16)
163 (6-13/32)

POWER
SHUT
STATUS

Screw: M4 × 6
Hexagonal hole: 2.5 (width across flat)

246 (9-11/16)

261.2 (10-9/32)
217 (8-35/64)
148 (5-53/64)
180.4 (7-7/64)

272.7 (10-47/64)
261.2 (10-9/32)
247 (9-23/32)
217 (8-35/64)

Plate A

148 (5-53/64)
164 (6-29/64)
180.4 (7-7/64)
188.9 (7-7/16)

ø6
ø4

282.7 (11-1/8)
261.2 (10-9/32)
252.2 (9-59/64)
217 (8-35/64)

Plate B

148 (5-53/64)
169.2 (6-21/32)
180.4 (7-7/64)
202.1 (7-61/64)

ø4
ø6

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