

Job Name:

Schedule Reference:

Date:

**EB-50GU-A STANDARD PACKAGE**

- EB-50GU-A Centralized Controller
- PAC-SC51KUA Power Supply
- Monitoring Annual and Weekly Scheduling, Sending Error Email, Online Maintenance Tool, Interlock Control and Data Monitoring

OPTIONAL SOFTWARE

- SW-Charge: Tenant Billing
 - Calculates per tenant CITY MULTI® energy usage based on the refrigerant capacity used of the outdoor unit(s) divided among the associated indoor units
 - Requires TG-2000 software Ver. 6.40 or later installed on a dedicated, networked PC connected to a RS-485 watt hour meter (WHM)
- SW-PWeb: Online Personal Browser
 - Allows individual users (up to 50) to control their respective zone conditions via personal networked PC with or without local remote controllers installed in the space

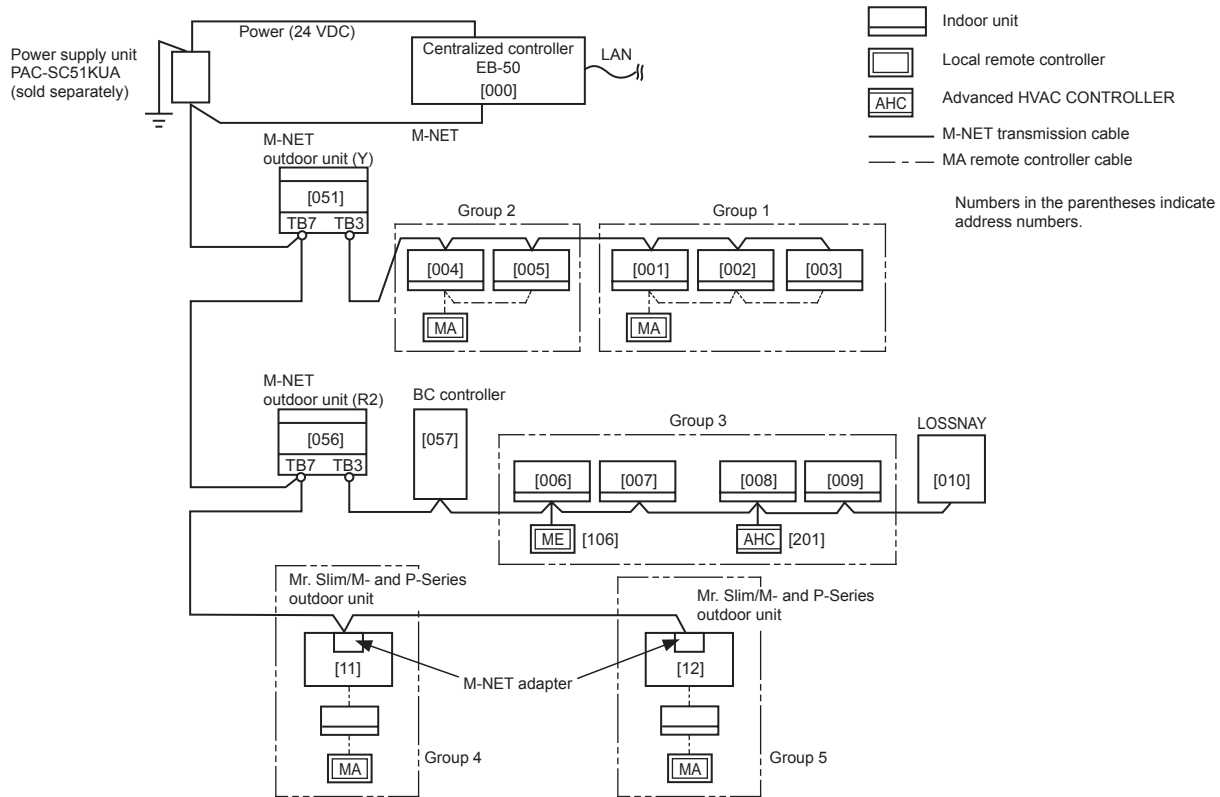
EB-50GU-A CENTRALIZED CONTROLLER SPECIFICATIONS

- Manages up to 50 Indoor Units individually, in a group or in a collective batch operation
- 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)

Models: EB-50GU-A - System Configuration

The figure below only shows the transmission cable connections. Power cables are omitted.



Model: EB-50GU-A - Specifications

EB-50GU-A Centralized Controller

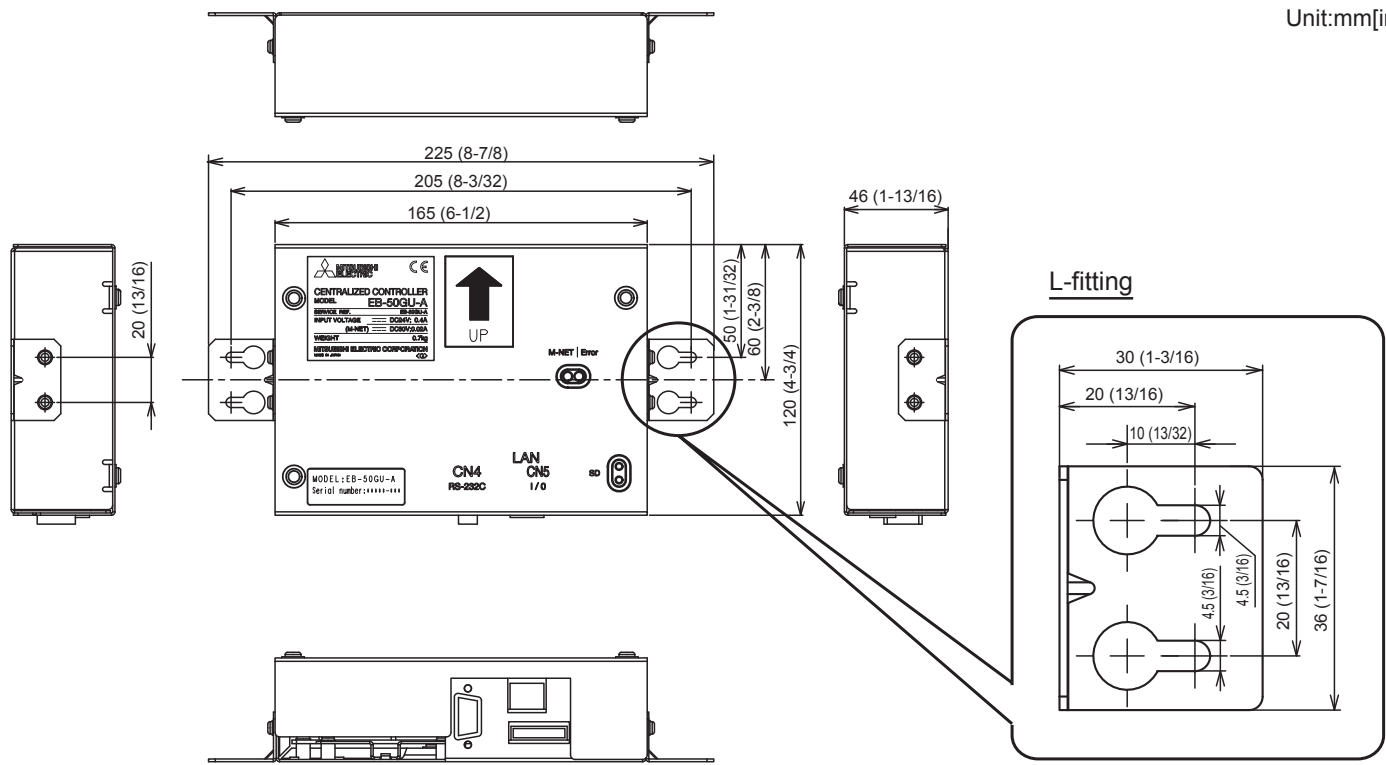
Item	Specifications		
Power Supply	Controller Drive	24VDC $\pm$ 5%	*Power Supply: PAC-SC51KUA
Environmental Conditions	Temperature	Operating Range	-10° C – +55° C [+14° F – +131° F]
		Non-operating Range	-20° C – +60° C [-4° F – +140° F]
	Humidity		30-90% RH (No condensation)
Weight		2 lbs. (0.7 kg)	
Dimensions (W x H x D)		6-1/2 x 4-3/4 x 1-13/16 in. (165 x 120 x 46 mm)	

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.	

Model: EB-50GU-A - Dimensions

Unit:mm[in.]



Notes:

Model: PAC-SC51KUA

POWER SUPPLY (PAC-SC51KUA) SPECIFICATIONS

- Rated input voltage and current: 100 - 240VAC $\pm 10\%$; 0.8A – 0.4A; 50Hz/60Hz single-phase.
- Fuse: 6.3A time delay type.
- Output voltage/current: M-NET: 23.0 – 32.0VDC; DC power supply: 24VDC $\pm 5\%$ 0 - 0.75A.
- Dimensions: (H x W x D) 6-11/16 x 10-11/16 x 2-7/8".
- Weight: 3-1/8 lbs.
- Indoor installation in field-supplied control panel or surface mount attachment (sold separately).

Item	Specifications		
Source Power Requirements	Rated Input Voltage / Current	100 - 240VAC ±10%; 0.8A - 0.4A, 50/60Hz single phase	
	Fuse: 6.3 time delay type (IEC127-2 S.S.5)		
Output Voltage / Current	M-NET	23.0 - 32.0VDC	
	DC Power Supply	24VDC ±5%; 0 - 0.75A	
Load Capacity	One EB-50GU-A Centralized Controller		
Environmental Conditions	Temperature	Operating Range	14° - 131°F (-10° - +55°C)
		Storage Range	-4° - +140°F (-20° - +60°C)
	Humidity	30-90% RH (no condensation)	
Dimensions (H x W x D)	6-11/16 x 10-11/16 x 2-7/8" (169 x 271 x 72mm)		
Weight	3-1/8 lbs. (1.4kg)		
Installation Environment	Indoor installation in field-supplied control panel or surface mount attachment (sold separately).		

PAC-SC51KUA POWER SUPPLY DIMENSIONS

