

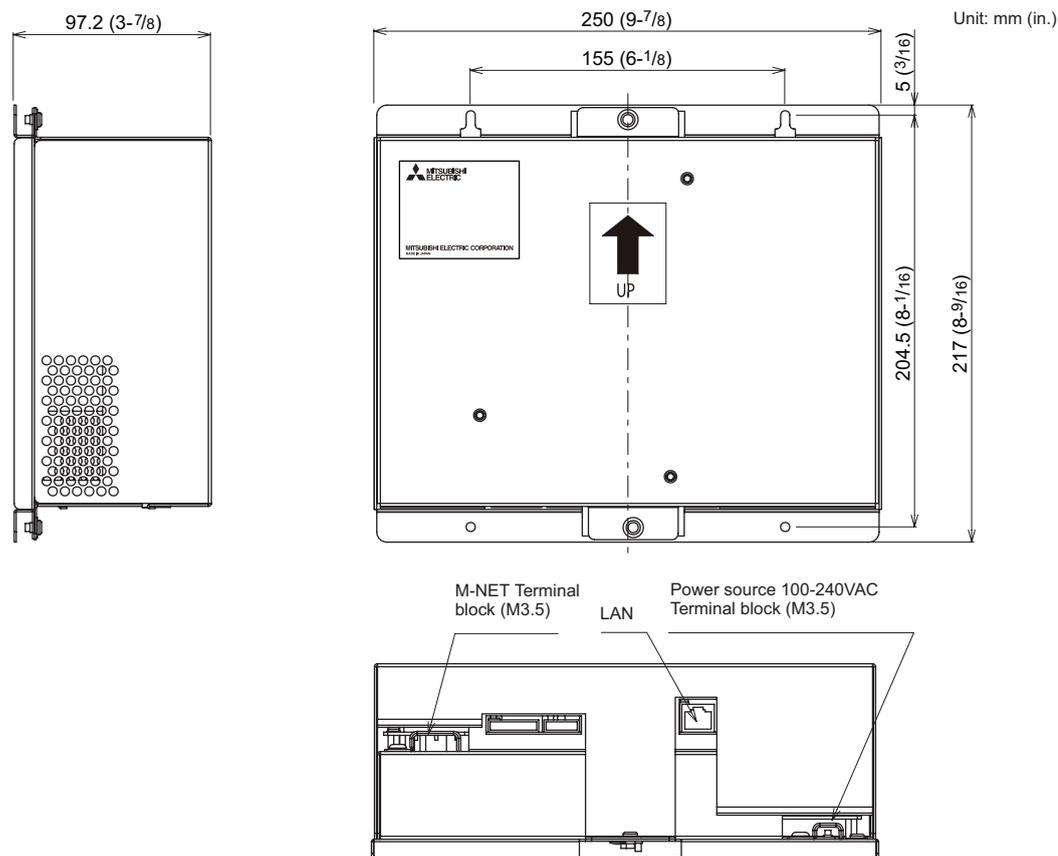
3-8. Expansion Controller [PAC-YG50ECA]

- PAC-YG50ECA can enhance units that AG-150A can control up to 150 by connecting 3 Expansion Controller (PAC-YG50ECA).
- PAC-YG50ECA has a built-in function to supply power to the M-NET transmission line. (power supply coefficient:6)

1.Specifications

Items		Specifications	
Power source	Rated input	100-240VAC ±10%0.4-0.3A50/60Hz	
	Fuse	250VAC 3.15A Time-delay Type (IEC127-2.S.S.5)	
Interface	Rated output of the power supply to M-NET transmission lines	22-30VDC	
	External input/output	12VDC or 24VDC (requires an external power supply)	
	LAN	100BASE-TX/10BASE-T	
Ambient conditions	Temperature	Operating temperature range	-10~55°C [14~131°F]
		Storage temperature range	-20~60°C [-4~140°F]
	Humidity		30~90%RH (Non-condensing)
Dimensions		217 (H) × 250 (W) × 97.2 (D) mm [8-9/16(H) × 9-7/8(W) × 3-7/8(D)in.]	
Weight		2.6kg [5 - 3/4 lbs.]	
Installation conditions		Inside the metal control board (indoor)	

2.External dimensions



3.M-NET power supply

PAC-YG50ECA has a built-in function to supply power to the M-NET transmission line. (power supply coefficient:6)
 When power is supplied from PAC-YG50ECA , the types of system controllers listed in the table below are connectable.

	System controller		M-NET remote controller
	ON/OFF remote controller	System remote controller Schedule timer Group remote controller	ME remote controller LOSSNAY remote controller
Power consumption coefficient	1	0.5	0.25
Connectable units	6 units	12 units	24 units

	Total number of ON/OFF remote controllers						V:connectable	
	0	1	2	3	4	5	6	
Total number of system remote controllers, schedule timers, and group remote controllers combined.	0	√	√	√	√	√	√	
	1	√	√	√	√	√	√	
	2	√	√	√	√	√	√	
	3	√	√	√	√	√	√	
	4	√	√	√	√	√	√	
	5	√	√	√	√	√	√	
	6	√	√	√	√	√	√	
	7	√	√	√	√	√	√	
	8	√	√	√	√	√	√	
	9	√	√	√	√	√	√	
	10	√	√	√	√	√	√	

Note:

- AG-150A, GB-50A, and BAC-HD150 cannot be used in the same M-NET system.
- Supplying power from the Outdoor unit or the power supply unit, it is necessary to replace power supply switch connector CN40 with CN41.(Factory default is CN40.)

4.Functions

Item	Description	Operations	Display
Error	When an error is currently occurring on an air conditioner unit, the afflicted unit and the error code are displayed. When an error occurs, the "Error" LED turns ON.	×	○
External input/output	By using accessory cables you can set the following. Input: By level signal: "Batch start/stop", "Batch emergency stop" By pulse signal: "Batch start/stop", "Enable/disable local remote controller"	○*1	×
	By using accessory cables you can monitor the following. Output: "Start/stop", "Error/Normal"	×	○*1
M-NET	The "M-NET" LED lights, when AC power supply is turned ON. The LED blinks while M-NET communicating.	×	○

[Symbol ○:enable ×:disable]

*1: Requires the external I/O cable (PAC-YG10HA) sold separately.

4. System configuration

Do not connect directly to the Internet. When connecting to the Internet through the AG-150A etc., use a security device such as a VPN router.

