Submittal Data: BACS-AP50E

MITSUBISHI ELECTRIC
Heating and Cooling

Job Name:		Location:	
Purchaser:		Submitted By:	
Submitted To:		Engineer:	
Date:		Application:	

☐ Reference   ☐ Approval   ☐ Construction
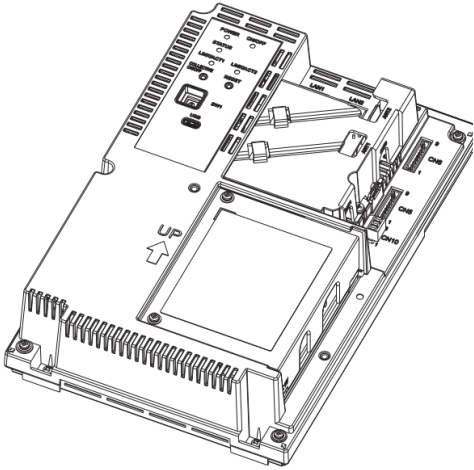
Item		Specifications
Power supply	Rating	100-240 VAC ±10%, 50/60 Hz, single phase
Power consumption		15W
LAN1, LAN2		100BASE-TX
RS-485		For connecting a watt-hour meter (Modbus-RTU)
External input/output	Input	Photocoupler input (4 inputs x 2)
	Output	Transistor output (2 outputs x 2) (sink type)
Ambient conditions	Operating temperature range	-10°C to +55°C (+14°F to +131°F)
	Storage temperature range	-20°C to +60°C (-4°F to +140°F)
	Humidity	30% to 90% RH (non-condensing)
Exterior		Body: Electrogalvanized steel sheet, Cover: PC+ABS
External dimensions	W x H x D	185 x 278 x 60.3 mm (7-5/16 x 10-31/32 x 2-3/8 in)
		When installed on the installation frame: 185 x 278 x 81.5 mm (7-5/16 x 10-31/32 x 3-7/32 in)
Weight		1.9 kg (5 lbs)
Installation conditions		In the metal control box installed indoors

- **For detailed functions, refer to the technical manuals.**
- CITY MULTI is compatible with large-scale BMS management via BACnet®.
  BACnet® is an open transmission protocol widely used at BMS, and related equipment control.
- CITY MULTI can easily combine into a Building Management System (BMS) via EW-C50A/ AE-C400A or BACS-AP50E (BM ADAPTER).
- BACS-AP50E can control up to 50 units/groups (including LOSSNAY).
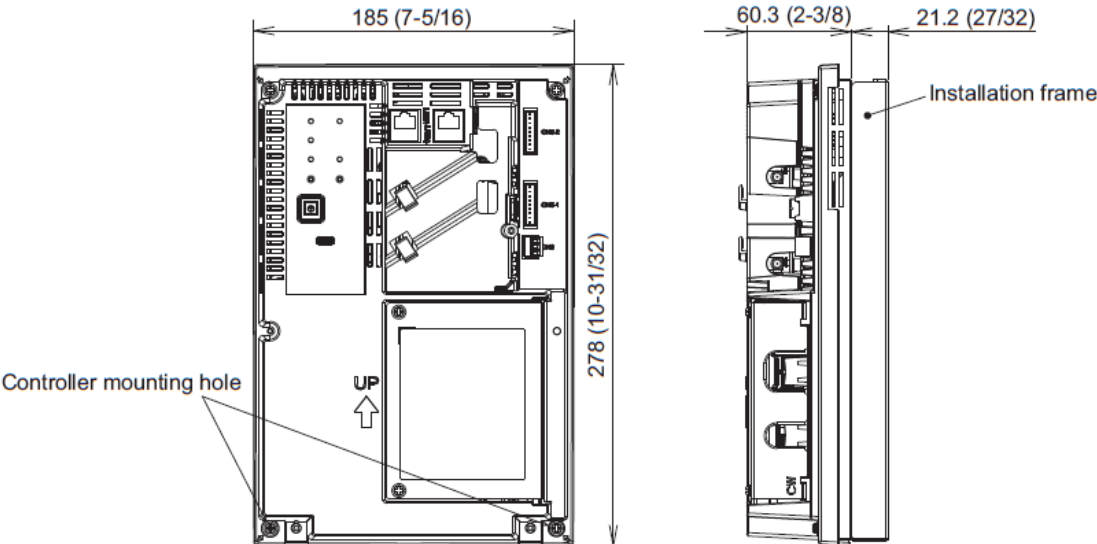 *To use the BACnet® function on EW-C50A/ AE-C400A, BACnet® license registration is required.

  Note: EW-C50A/AE-C400A and BACS-AP50E cannot be used together.

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Controller

Unit: mm (in)

185 (7-5/16) 60.3 (2-3/8)

278 (10-31/32)

UP
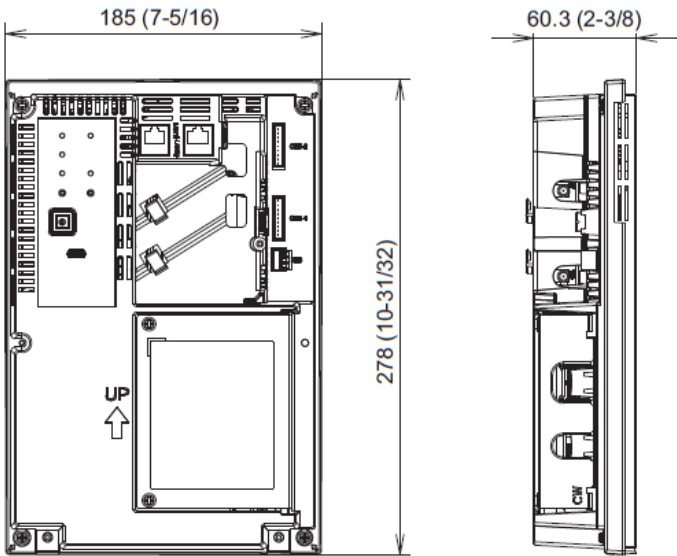
Installation on a panel inside a metal control box

185 (7-5/16) 60.3 (2-3/8) 21.2 (27/32)

Installation frame

278 (10-31/32)

Controller mounting hole

UP

Installation on a DIN rail

160 (6-5/16) 21.2 (27/32)

18 (23/32)

175 (6-29/32)

DIN rail

DIN rail attachment

597C260

DIN rail auxiliary bracket

46 (1-13/16)