

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

**Optional Software with Pin Code**

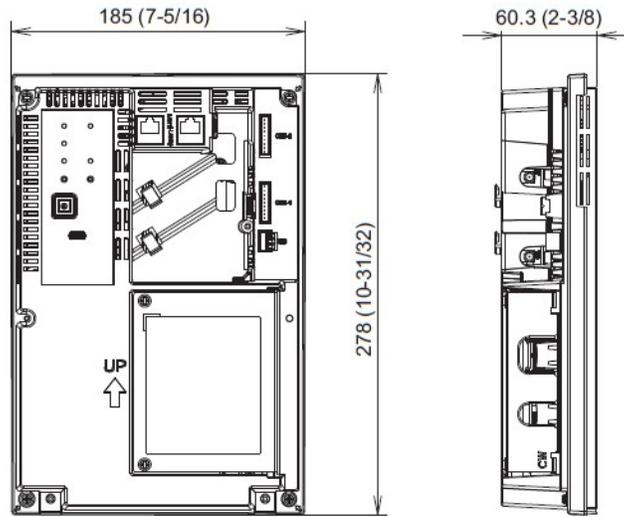
- EW-C50-PCS  
Proportional Charge Function
- EW-C50-BACNET  
BACnet Interface Function

- **For detailed functions, refer to the technical manuals.**
- The centralized controller of EW-C50A combines Web function, which enable the system management on a PC browser screen\*1.  
\*1 Operating system requirement: Microsoft® Windows 11® (64bit), Microsoft® Windows 10® (64bit), MacOS®  
Browser requirement: Microsoft® Edge®, Google Chrome™, Safari®
- Usable as expansion controller for AE-C400A.
- Together with PI controller, DIDO controller, or Modbus\*2, many optional functions like "Peak-cut", "Energy saving", "General equipment management", "Scheduling" etc, can be carried out.  
Refer to section of PI and/or DIDO controller for details on these controllers.  
\*2 For connectable unit models, refer to the Instruction Book (Detailed Operations) for AE-C400A/EW-C50A.
- One EW-C50A can control up to 50 units (including LOSSNAY).  
The maximum number of connectable units depends on the model. Refer to the Technical Manual.
- EW-C50A's Web functions, alarming E-mail containing address and error code can be sent to appointed E-mail address .
- The interlock-control option enables interlocked operations of air conditioning unit groups and the general equipment groups, based on the changes of status in the ON/OFF, Mode, or Error signals. (Can be set from the Initial Setting Tool only).
- CO<sub>2</sub> level can be indicated on EW-50A's web browser by connecting CO<sub>2</sub> sensor to LOSSNAY.
- 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
- 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

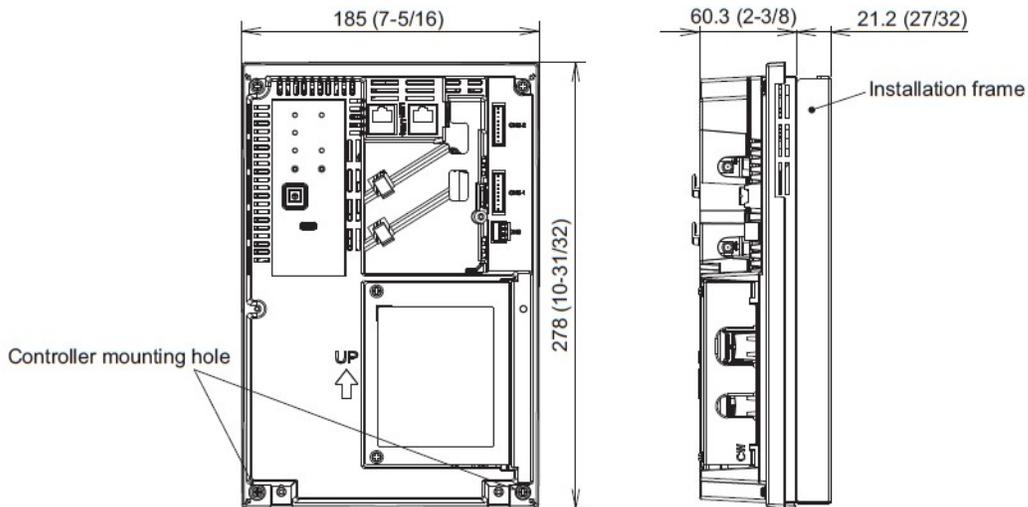
**Note: EW-C50A/AE-C400A and BACS-AP50E cannot be used together.**

Controller

Unit: mm (in)



Installation on a panel inside a metal control box



Installation on a DIN rail

