

AE-C400E / EW-C50E

Centralised Control Solutions

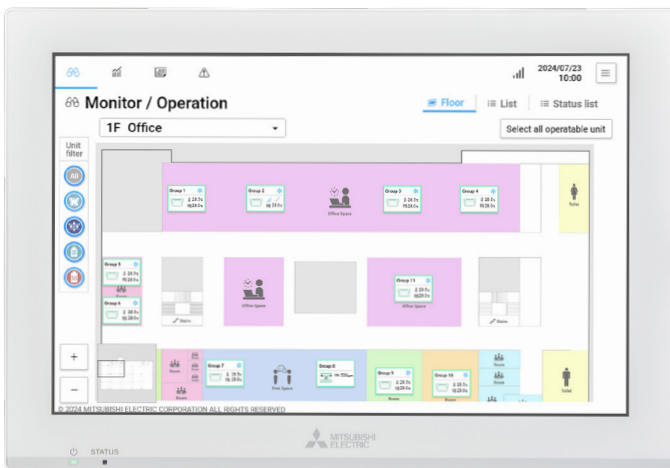
Controls deliver a cost-effective, energy efficient solution that is crucial to managing, monitoring and reporting on the performance of a building.

Mitsubishi Electric has a controls portfolio which is one of the strongest on the market. Included in this are some of the most powerful and sophisticated centralised controllers available, allowing complete control of multiple sites from one location.



AE-C400E

Advanced, User Friendly Touch Screen Controller



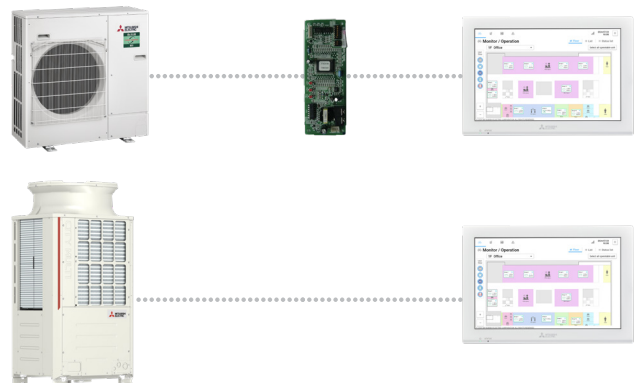
AE-C400E	
Description	12.1" Capacitive Touch Screen Controller & IoT gateway
Connect to	M-NET Network
Max Number of Units	50 and 4 Pulse Meters or Modbus Meters (Modbus meters not for energy apportioning)
Compatibility	M Series, Mr Slim, City Multi, Lossnay, e-Series, MEHITS Chillers ¹ and Ecodan QAHV/CAHV/CRHV ²
Power Supply	220-240v, 50Hz
Dimensions (mm) (WxDxH)	306 x 71.8 x 211
Control	On/Off ✓ Mode ✓ Setpoint ✓ Fan Speed ✓ Air Direction ✓ Permit/Prohibit ✓ Filter Sign ✓
Monitor	On/Off ✓ Mode ✓ Setpoint ✓ Fan Speed ✓ Air Direction ✓ Permit/Prohibit ✓ Filter Sign ✓ Fault Codes ✓ Room Temperature ✓
Weekly Schedule	✓
Annual Schedule	✓
Night Set Back	✓
Web Pages	✓
Optimised Start	✓
Automatic Setpoint Adjustment	✓
Load Shedding	✓
Occupied / Unoccupied Settings	x
Reset	✓
Remote Monitoring with M2M	✓
Simple Energy Monitoring	✓
Advanced Energy Monitoring	✓

Notes: ✓ = Yes, x = No, - = Not applicable. *1 MEHITS adaptor required. *2 End of 2025.

AE-C400E FEATURES & BENEFITS

- **High-Precision, Durable 12.1" Glass Touchscreen** with quick-response multi-touch capabilities offers effortless control and a visually enhanced, easy-to-read display.
- **Expandable Control for Up to 400 Units** - Manage up to 50 indoor units or scale to 400 with an expansion module (EW-C50), offering flexible solutions for a large range of building sizes
- **User-Friendly, Intuitive Interface** - Effortlessly access and manage relevant system information at the unit level, simplifying day-to-day system management and saving time.
- **Seamless User Experience Across Devices** with consistent design, whether accessing through the controller screen or web browser, for a smooth and familiar experience anywhere.
- **CO₂ Level Visibility for Effective Indoor Air Quality Control** - Track CO₂ levels in both numerical and graphical formats for real-time insights into air quality, helping to maintain a healthier indoor environment.
- **Effortless Remote Access with Built-in Cloud Connectivity** via MELCloud Commercial (subscription required) enabling convenient estate, building and zone level remote monitoring and control, reducing the need for on-site maintenance.
- **Quick Access with Pre-Installed PIN Code Licenses** - Activate essential functions effortlessly with pre-installed PIN codes, streamlining access to key features (excludes Energy Apportioning and BACnet pin codes).
- **USB-C Port for Streamlined Updates and Data Access** - Seamlessly update software and export energy consumption data through the USB-C port, making system management efficient and future-ready.

AE-C400E SYSTEM DIAGRAM



EW-C50E

AE-C400E Expansion Controller and IoT Gateway



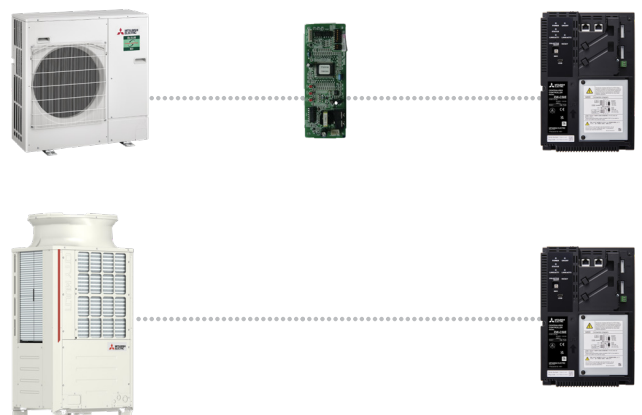
EW-C50E FEATURES & BENEFITS

- **Effortlessly Control Up to 50 Indoor Units from One Interface** providing the flexibility to monitor and adjust multiple spaces efficiently from a single control point.
- **Web-Based Controller for Remote Management** - Access your site from anywhere with a web-based interface, enabling convenient remote access for monitoring and control.
- **Consistent User Interface with AE-C400 Centralised Controller enables** streamlined experience with an interface design that aligns with the AE-C400 centralised controller, allowing for easy, familiar navigation across all platforms.
- **Seamless User Experience Across Devices** with consistent design, whether accessing through the controller screen or web browser, for a smooth and familiar experience anywhere.
- **Effortless Remote Access with Built-in Cloud Connectivity** via MELCloud Commercial (subscription required) enabling convenient estate, building and zone level remote monitoring and control, reducing the need for on-site maintenance.
- **Quick Access with Pre-Installed PIN Code Licenses** - Activate essential functions effortlessly with pre-installed PIN codes, streamlining access to key features (excludes Energy Apportioning and BACnet pin codes).

EW-C50E	
Description	AE-C400 Expansion Controller and IoT Gateway
Connect to	M-NET Network
Max Number of Units	50 and 4 Pulse Meters or Modbus Meters (Modbus meters not for energy apportioning)
Compatibility	M Series, Mr Slim, City Multi, Lossnay, e-Series, MEHITS Chillers ^{*1} and Ecodan QAHV/CAHV/CRHV ^{*2}
Power Supply	220-240v, 50Hz
Dimensions (mm) (WxDxH)	185 x 60.3 x 278
Control	On/Off ✓ Mode ✓ Setpoint ✓ Fan Speed ✓ Air Direction ✓ Permit/Prohibit ✓ Filter Sign ✓
Monitor	On/Off ✓ Mode ✓ Setpoint ✓ Fan Speed ✓ Air Direction ✓ Permit/Prohibit ✓ Filter Sign ✓ Fault Codes ✓ Room Temperature ✓
Weekly Schedule	✓
Annual Schedule	✓
Night Set Back	✓
Web Pages	✓
Optimised Start	✓
Automatic Setpoint Adjustment	✓
Load Shedding	✓
Occupied / Unoccupied Settings	x
Reset	✓
Remote Monitoring with M2M	✓
Simple Energy Monitoring	✓
Advanced Energy Monitoring	✓

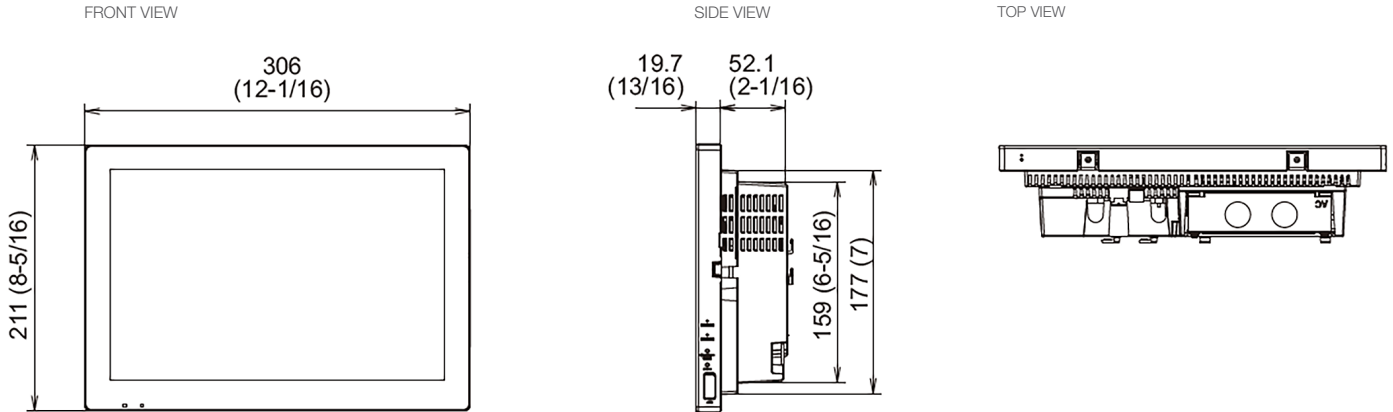
Notes: ✓ = Yes, x = No, - = Not applicable. *1 MEHITS adaptor required. *2 End of 2025.

EW-C50E SYSTEM DIAGRAM

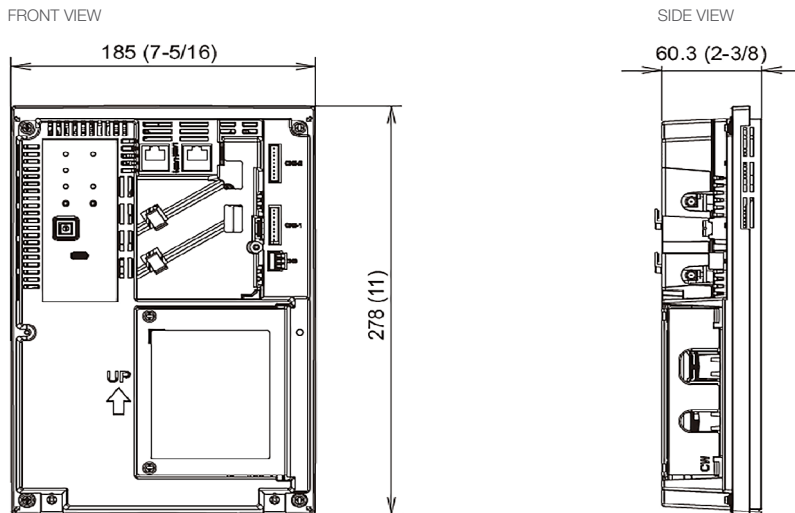


AE-C400E DIMENSIONS

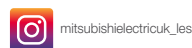
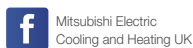
All dimensions are in millimetres.



EW-C50E DIMENSIONS



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Note: The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R290 (GWP:3), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of October 2024

