CITY MULTI® Model: BAC-HD150 BACnet® Interface

MITSUBISHI ELECTRIC

Job Name: Location:

Drawing Reference: Schedule No.

System No.: Date:



BAC-HD150 BACnet Interface

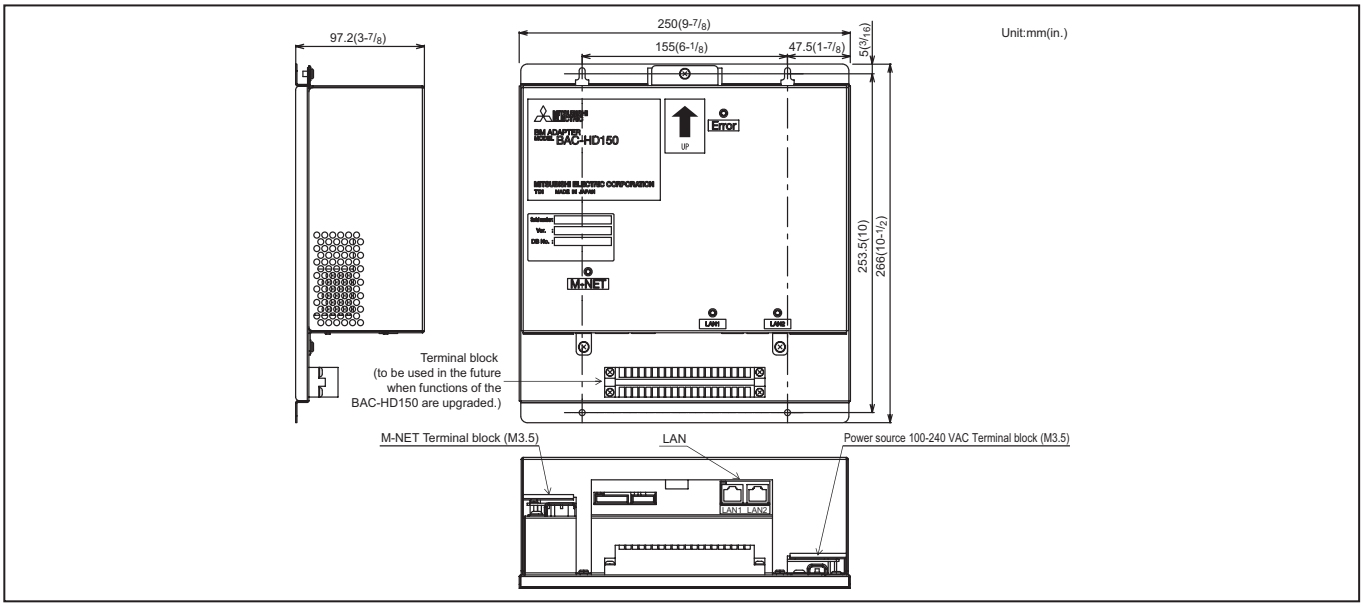
OVERVIEW OF CITY MULTI® CONTROLS NETWORK (CMCN)

- Consists of TG-2000 integrated system software, AG-150/ GB-50ADA/GB-24/TC-24 centralized controllers, web browsers, timers, remote controllers, and BMS interfaces.
- TG-2000 integrated system software supports up to 40 AG-150/GB-50ADA centralized controllers (licensed for PC software features) for a maximum of 2,000 indoor units from a single PC.
- AG-150 centralized controller operates up to 50 indoor units with optional control via a field-supplied PC with licensed software.
- GB-50ADA centralized controller operates up to 50 indoor units via a field-supplied PC with licensed software.
- GB-24 central controller operates up to 24 indoor units via a field-supplied PC with licensed software.
- TC-24 standalone centralized controller operates up to 24 indoor units via an integral touch screen interface.
- Remote controllers consist of Deluxe MA, Simple MA Wireless MA, and ME.
- I/O controllers consist of DIDO (PAC-YG66DCA) and AI (PAC-YG63MCA) for third-party equipment control.
- LonWorks® and BACnet® interfaces also available.
- Interlocking of LOSSNAY® ERV units for control via the AG-150/GB-50ADA/GB-24/TC-24 centralized controllers.

BACNET INTERFACE (BAC-HD150) SPECIFICATIONS

- Up to 50 units (CITY MULTI® and/or Lossnay®) can be connected with one BAC-HD150 BACnet interface.
- Operation/Setting
  - Request all Off (Emergency Stop)
  - Request On/Off
  - SetPoint
  - Request Lossnay Mode
  - Request Fanspeed
  - Request Local Prohibit On/Off, SetPoint, Mode, and Filter Sign
  - Filter Sign Reset
  - Request Limit Temperature Setting Range
  - Ventilation Mode
  - Air-to-Water Mode
- Measuring/Monitoring
  - Emergency state
  - On/Off run state
  - Mode state
  - SetPoint state
  - Lossnay mode state
  - Fanspeed state
  - Filter Status
  - Space Temperature
  - Alarm state
  - Error Code
  - Ventilation Mode
  - Air-to-Water Mode

BACNET INTERFACE (BAC-HD150) DIMENSIONS

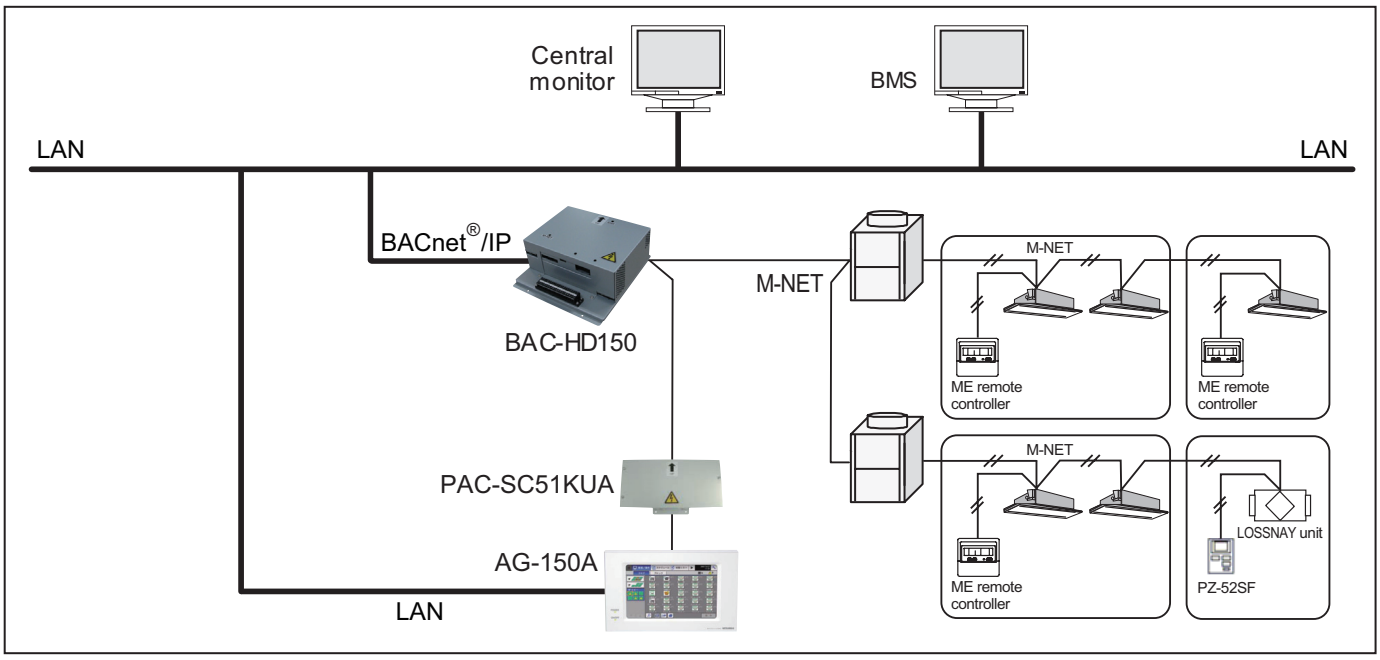


BAC-HD150

BACNET INTERFACE (BAC-HD150) SPECIFICATIONS

Items	Specifications		
Power Source	Rated Input	100-240 V AC ±10% 0.4-0.3 A 50/60 Hz	
	Fuse	250V AC 3.15 A Time-delay type (IEC127-2 S.S.5)	
Interface	Rated Output of the Power Supply to M-NET Transmission Lines	22 - 30 V DC	
	LAN 1 (for BACnet)	10Base-T or 100Base-TX	
	DC Power Supply	24V DC +/-5% 0 - 0.75A	
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	10-1/2" H x 9-7/8" W x 3-7/8" D (266 x 250 x 97 mm)		
Weight	6-3/16 lbs. (2.87 kg)		
Installation Environment	Indoor installation in field-supplied control panel (sold separately).		

SYSTEM EXAMPLE: CONNECTING 50 UNITS/GROUPS



Certificate Number FM33568

Mitsubishi Electric Air Conditioning & Refrigeration Systems Works acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of quality warranties for the production of refrigeration and air conditioning equipment.

ISO Authorization System
The ISO 9000 series is a plant authorization system relating to quality warranties as stipulated by the ISO. ISO 9001 certifies quality warranties based on the "design, development, production, installation and auxiliary services" for products built at an authorized plant.

Certificate Number EC97J1227

Mitsubishi Electric Air Conditioning & Refrigeration Systems Works acquired environmental management system standard ISO 14001 certification.

The ISO 14000 series is a set of standards applying to environmental protection set by the International Standard Organization (ISO).

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Specifications are subject to change without notice.