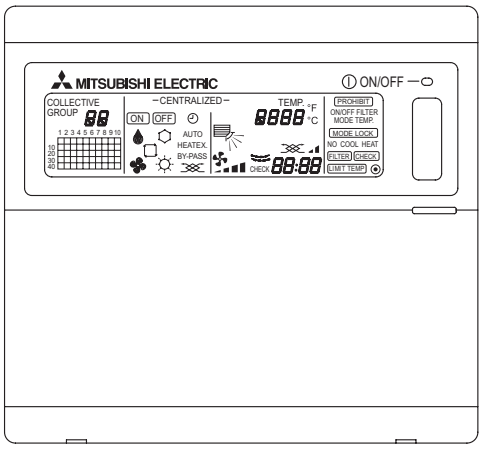
Job Name:

Drawing Reference: Schedule No.



OVERVIEW OF CITY MULTI CONTROLS NETWORK (CMCN)

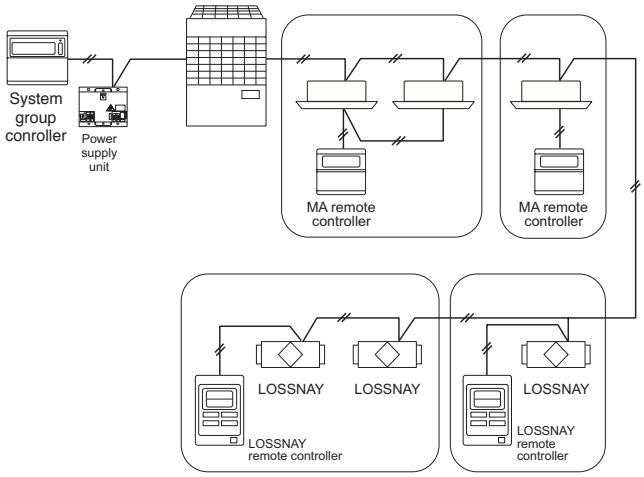
- Consists of TG-2000 integrated system software, G-50A/GB-50A centralized controllers, timers, remote controllers and BMS interfaces.
- TG-2000 integrated system software supports up to 40 G-50A/GB-50A centralized controllers (licensed for PC software features) for a maximum of 2,000 units from a single PC.
- G-50A centralized controller operates up to 50 indoor units with optional control via a field supplied PC with licensed software.
- GB-50A centralized controller operates up to 50 indoor units via a field supplied PC with licensed software.
- ON/OFF Controller (PAC-YT40ANRA) provides on/off control for 16 individual groups (for a maximum of 50 units).
- Schedule Timer (PAC-YT34STA) provides system schedule control (on/off, operation mode (cool or heat), set temperature, permit/prohibit of remote controller functions (on/off, operation mode selection, set temperature).
- Group System Controller (PAC-SF44SRA) provides system control (on/off, operation mode (Cool, Heat, Dry, Fan, Auto-R2 only), set temperature, permit/prohibit of remote controller functions (on/off, operation mode selection, set temperature), fan speed, and air flow direction of up to 50 indoor units.
- Remote controllers consist of Deluxe MA, Simple MA, Wireless MA, and ME.
- LonWorks® and BACnet® interfaces also available.
- Interlocking of LOSSNAY ERV units for control via the G-50A/GB-50A centralized controllers.

SYSTEM GROUP CONTROLLER (PAC-SF44SRA) SPECIFICATIONS

- System control for up to 50 indoor units .
- Operation status displayed on LCD.
- User Functions
  - On/Off.
  - Operation mode (Cool, Heat, Dry, Fan, Auto-R2 only).
  - Set temperature.
- Addressing: Requires manual addressing using rotary dial switch to the M-NET communication bus.
- Wiring: Connects to TB7 connection terminal on outdoor unit via PAC-SC50KUA power supply (recommended) or conects to TB3 connection terminal on outdoor unit.
- Permit/Prohibit of remote controller functions (on/off, operation mode selection, set temperature.
- Dimensions: 5-1/8" x 4-23/32" x 3/4"
- Expandability: Can be used in conjunction with G-50A/GB-50A Centralized Controllers which have higher priority but requires a change in dip-switch setting. Can be used in conjunction with external input/output signals. Can be used in conjunction with PAC-YT40ANRA On/Off Controller and PAC-YT34STA Schedule Timer.

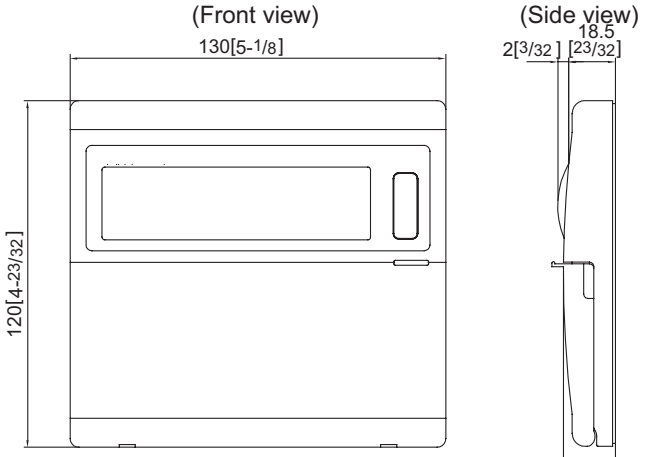
POWER SUPPLY (PAC-SC50KUA) SPECIFICATIONS

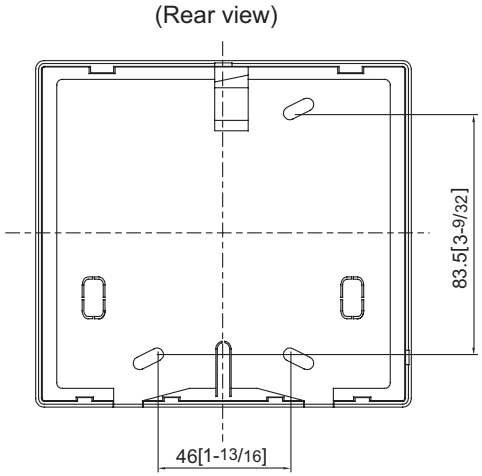
- Rated Input voltage and current: 208V-230V; 0.25 A; 60 Hz single phase.
- Fuse: 2.0 A Time-delay type.
- Output voltage/current: M-Net: DC24V, 0.45 A (Maximum Loading); DC Power Supply: DC12V, 0.2A (Maximum Loading).
- Dimensions (H x W x D) 9-1/2" x 10-7/16" x 2-3/8"
- Weight: 5-1/8 lb



Notes:

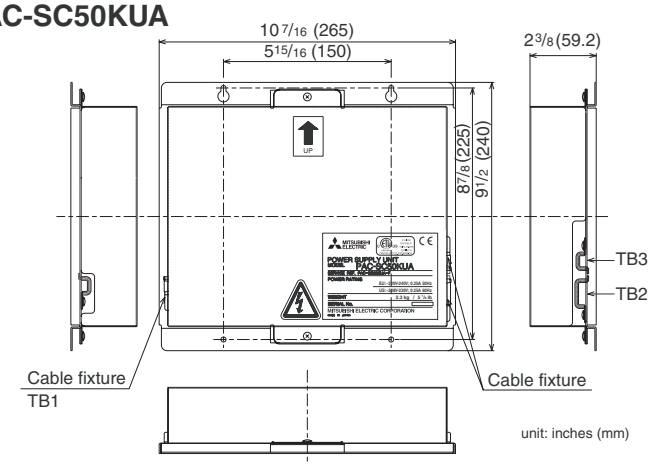
Model: PAC-SF44SRA





Unit:mm[in.]

PAC-SC50KUA



Item	Detail	
Source power requirement	Rated input voltage and current	EU: ~ 220V - 240V; 0.25A/50Hz Single-phase US: ~ 208V - 230V; 0.25A/60Hz Single-phase
	Fuse: 2.0A Time-delay type (IEC127-2 S.S.5)	
Output voltage/current	M-NET : DC24V 0.45A (Maximum loading) DC power supply: DC12V 0.2A (Maximum loading)	
Load capacity	Number of the loading unit: G-50A Central Controller 1 unit	
Environmental condition	Temperature	Operating range 32 to 104˚F / 0 to 40˚C Storage range -4 to 140˚F / -20 to 60˚C
	Humidity	30 ~ 90%RH (No condensation)
Dimensions	9 1/2(H)×10 7/16(W)× 2 3/8(D) in / 240(H) × 265(W) × 59.2(D)mm	
Weight	5.1 lbs. / 2.3kg	
Installation environment	In the control panel box (indoor)	

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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MITSUBISHI ELECTRIC

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