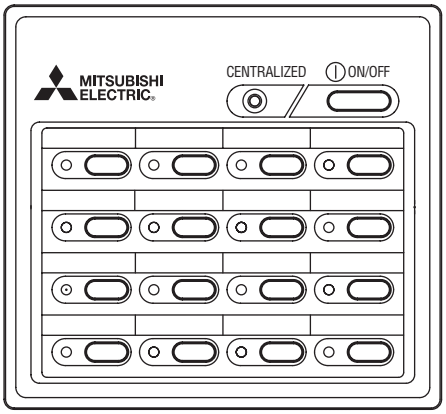
Job Name:

Drawing Reference: Schedule No.




## OVERVIEW OF CITY MULTI CONTROLS NETWORK (CMCN)

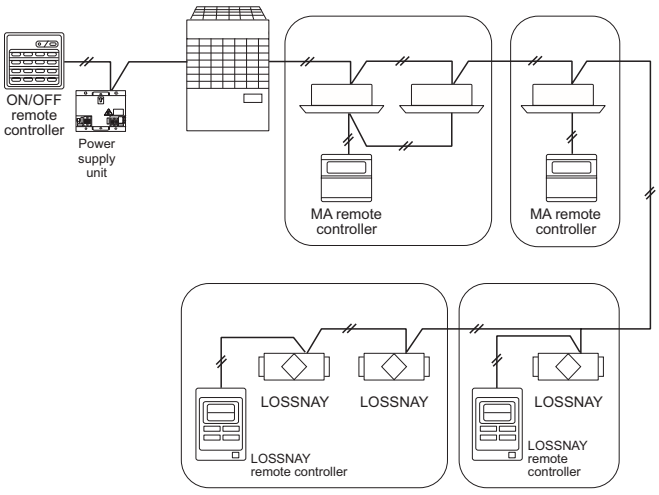
- Consists of TG-2000 integrated system software, G-50A/GB-50A centralized controllers, timers, remote controllers and BMS interfaces.
- TG-2000 integrated system software supports up to 40 G-50A/GB-50A centralized controllers (licensed for PC software features) for a maximum of 2,000 units from a single 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.

## ON/OFF CONTROLLER (PAC-YT40ANRA) SPECIFICATIONS

- ON/OFF control for up to 16 groups of indoor units for a total of up to 50 indoor units.
- Recommended to be used in conjunction with System Group Controller (PAC-SF44SRA), Schedule Timer (PAC-YT34STA), Deluxe MA Remote Controller (PAR-21MAA), Wireless MA Remote Controller (PAR-FA/L32MA), and/or ME Remote Controller (PAR-27MEA) for temperature and mode setting.
- ON/OFF button to toggle all units on/off. Adjacent LED indicates if units are on, off, or in error.
- ON/OFF button for each group (16 groups) toggles all indoor units in the group on/off. LED adjacent to each group button indicates if any indoor units are on, off, or in error.
- LEDs flash to indicate there is an error.
- Controller requires manual addressing using rotary dial switch to the M-NET communications bus (default address is 201).
- Connects to TB7 connection terminal on outdoor unit via PAC-SC50KUA power supply (recommended) or connects to TB3 connection terminal on outdoor unit (PAC-SC50KUA power supply recommended).
- Dimensions: 5-1/8" x 3/4" x 4-23/32"
- Expandability: External input signal can be used for batch operation such as Emergency Stop, On/Off, or On/Off plus prohibit of local remote controller operation. External output signal for collective operation state or error state.

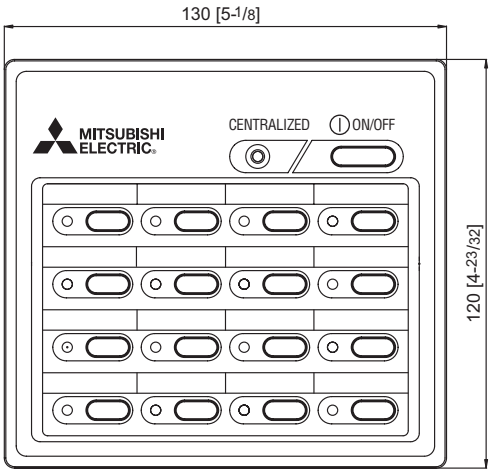
## POWER SUPPLY (PAC-SC50KUA) SPECIFICATIONS

- 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
- Indoor Installation in control panel.



# Model: PAC-YT40ANRA

(Front view)

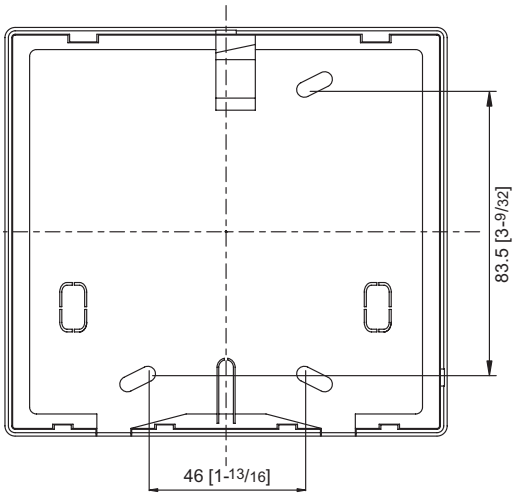



(Side view)

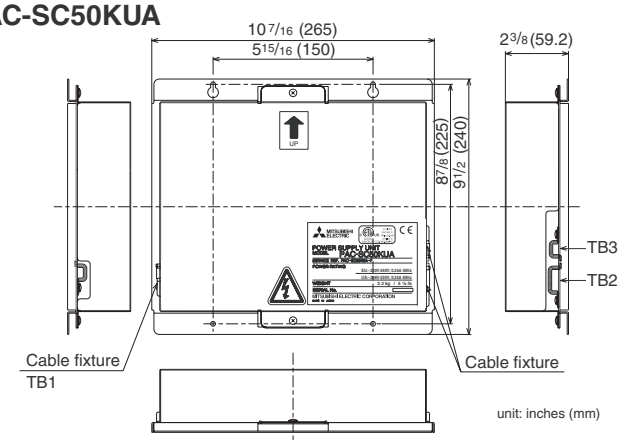



Units: mm [in.]

(Rear view)




## PAC-SC50KUA




| Item | Detail | |
|---|---|---|
| Source power requirement | Rated input voltage and current | EU: ~ 220V - 240V; 0.25A/50Hz Single-phase<br>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)<br>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<br>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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