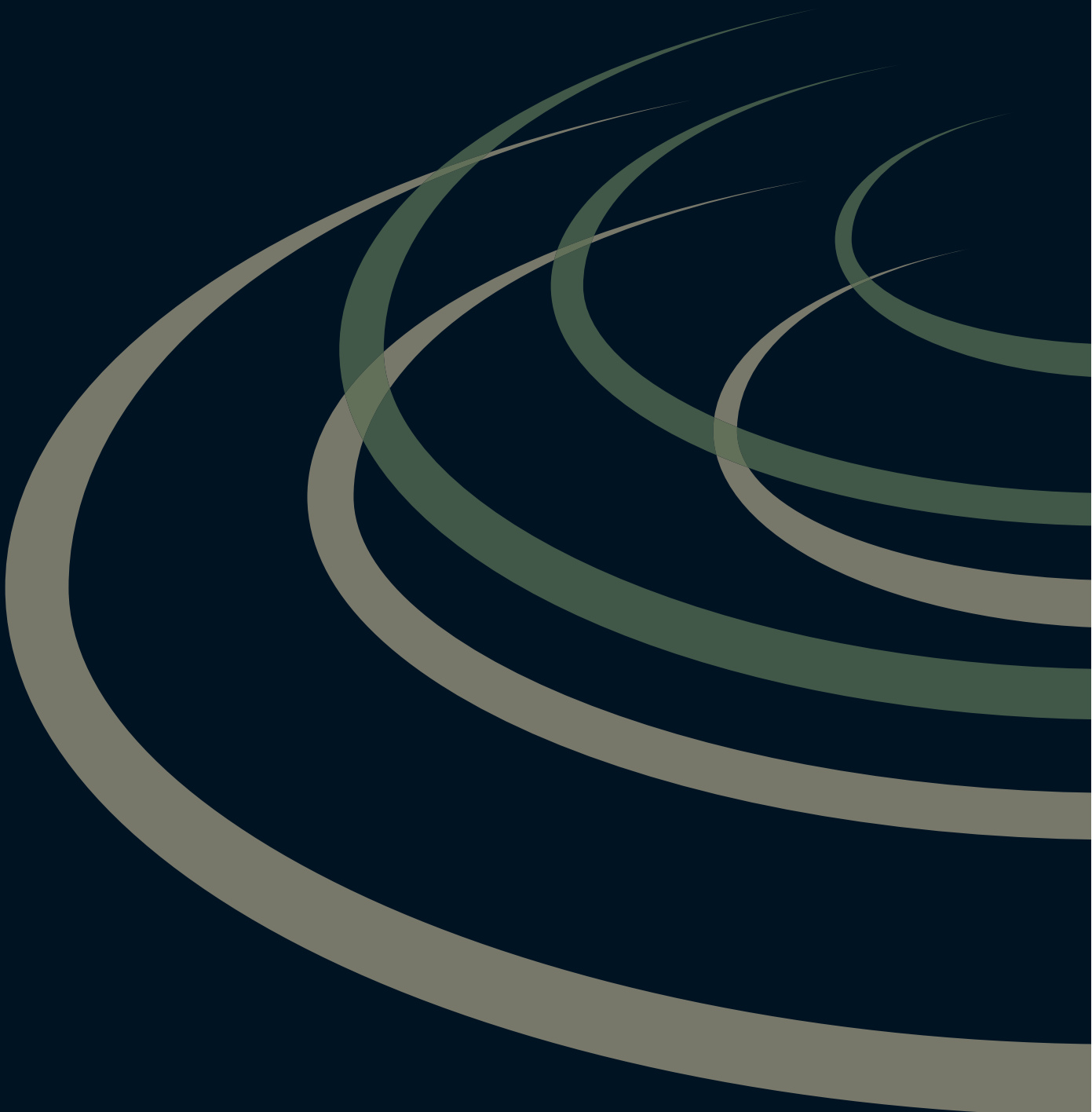MITSUBISHI ELECTRIC

Changes for the Better

AG-150A
CITY MULTI

AG-150A - Visualizing control

Controllers are one of the most important and familiar devices in an air conditioning system. Not only does it control to provide optimum air environment but supports operations to minimize running costs and to preserve energy. Through studies and development, we've visualized a new system controller meeting needs with versatile options.

With a new coloured touch panel, and continuation of all the current G-50A functions, AG-150A visualizes its functions from basic control to advanced operations and bringing an ultimate controller to reality.

– Design your control
with our new visualized controller; AG-150A.

New Design

Backlight
Colour liquid crystal

Backlight makes it easy to see and control units.
One can identify whether a unit is ON or OFF from a distance.
Control in the night with no lights is possible.

Touch panel

9 inch wide, high-resolution
Touch panel enables operation of units by touching with index finger.
When object unit is touched, orange box appears around the unit icon indicating the unit selected.

Flat Back

Easy installation
Allows for an installation of the unit either directly to the wall surface or using the installation hole in the wall.

USB memory compatible

* From '08 Dec. version
All CSV measurement/initial setting data extractable with USB.
Can save and overwrite operation and setting data.

New Functions

Controllable units/groups

Controls up to 50 units/groups (including indoor units, LOSSNAY, DIDO/AI/PI controller)

Up to 150 units can be controlled via expansion controller *From '09 April version

New monitoring functions

Power consumption monitoring and recording (using PI controller)

Temperature/Humidity (using AI controller)

General equipment such as lights (using DIDO controller)

Energy saving functions
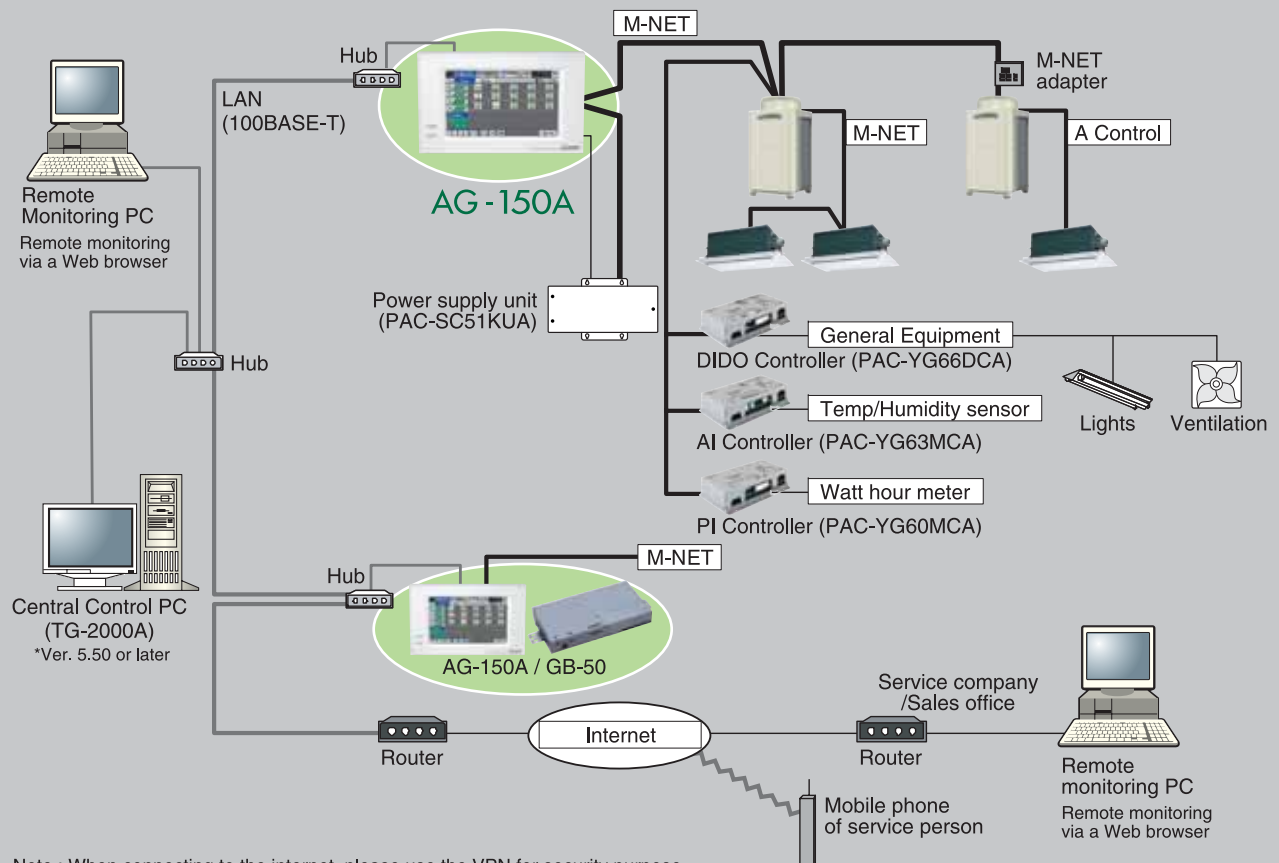
Seasonal scheduling and automatic switch over

Fan speed and airflow direction

Yearly scheduling on LCD

Optimized Start up control *From '08 Dec. version

Sliding temperature control *From '08 Dec. version
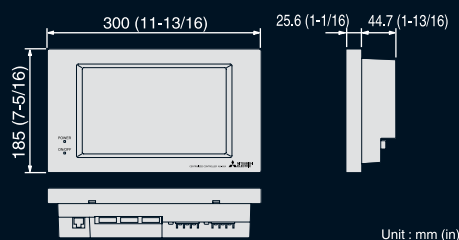

■ System structure

Note : When connecting to the internet, please use the VPN for security purpose.

Functions

○ : Each group   ◎ : Collective   □ : Each unit   ✕ : Not available

Item	Description	Operations	Display
Controllable unit	Up to 50 units/groups.		
Dimension W × H × D	300 (11-13/16) × 185 (7-5/16) × 70.3 (2-13/16) [25.6] (1-1/16) mm (in) *[ ]indicates exposed depth after embedding.		
ON/OFF	Run and stop operation for the air conditioner units	○ ◎	○ ◎
Operation mode switching	Switches between Cool / Dry / Auto / Fan / Heat. (Group of LOSSNAY unit : automatic ventilation/ vent - heat interchange/ normal ventilation) depending on the air conditioner unit. Auto mode is for City Multi R2 and WR2 series only.	○ ◎	○

Temperature setting	Cool/Dry : 19˚C (66˚F) - 30˚C (86˚F) [14˚C (57˚F) - 30˚C (86˚F)]
	    Heat : 17˚C (63˚F) - 28˚C (82˚F) [17˚C (63˚F) - 28˚C (82˚F)]
	    Auto : 19˚C (66˚F) - 28˚C (82˚F) [17˚C (63˚F) - 28˚C (82˚F)]
	[ ] in case of using middle-temperature on PDFY, PEFY-VML/VMR/VMS/VMH-by setting DipSW7-1 to ON. Yet, PEFY-P-VMH-E-F is excluded.
		○ ◎	○

Fan speed setting	Models with 4 air flow speed settings: Hi/Mid-2/Mid-1/Low Models with 3 air flow speed settings: Hi/Mid/Low Models with 2 air flow speed settings: Hi/Low Fan speed setting (including Auto) varies depending on the model.	○ ◎	○
Air flow direction setting	Air flow direction angles, 4-angle or 5-angle Swing, Auto (Louver cannot be set)	○ ◎	○
Schedule operation	Weekly schedule can be set by groups based on daily operation pattern.	○ ◎	○
Permit / Prohibit local operation	Individually prohibit operation of each local remote control function (Start/Stop, Change operation mode, Set temperature, Reset filter).	○ ◎	○
Indoor unit intake temperature	Measures the intake temperature of the indoor unit only when the indoor unit is operating.	✕	○
Error	When an error is currently occurring on an air conditioner unit, the afflicted unit and the error code are displayed.	✕	□ ◎
Test run	This operates air conditioner units in test run mode.	○ ◎	○
Ventilation interlock	The ventilation unit (LOSSNAY) is able to automatically start its operation when operation of the interlocked indoor unit starts.	○	○

External input/output	By using accessory cables you can set and monitor the following.
	    Input : By level signal : "Batch start/stop", "Batch emergency stop"
	             By pulse signal : "Batch start/stop", "Enable/disable local remote controller"
	    Output : "Start/stop", "Error/Normal"
		◎	◎

*NOTE: Operation and displayed content vary depending on the indoor unit model.

External dimentions

300 (11-13/16)
25.6 (1-1/16)   44.7 (1-13/16)
185 (7-5/16)

Unit : mm (in)

Options

Options	model name
Power supply unit	PAC-SC51KUA
Electric box	PAC-YG83UTB
Mounting attachment A type (Used with power supply unit)	PAC-YG85KTB
Mounting attachment B type (Used without power supply unit)	PAC-YG81TB
External input/output adapter	PAC-YG10HA
Black surface cover	PAC-YG71CBL

PAC-YG71CBL

FM33568 / ISO 9001;2000

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

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

ISO 14001 JACO
EC97J1227   051

The 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).

MITSUBISHI ELECTRIC CORPORATION
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