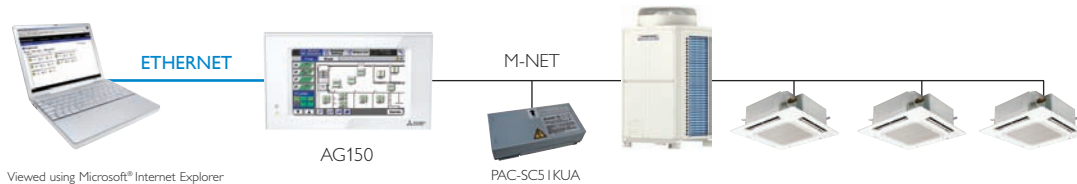# AG150 Controller

Touch Screen Centralised Controller with WebServer Capabilities

The AG150 Mitsubishi Electric centralised controller offers a large 9 inch touch screen display with easy control of up to 50 indoor units. The AG150 can calculate the energy used for each system. The refrigerant status check function can be activated regularly (in conjuction with the new YJM-A City Multi range) and an Internet connection with SSL security is also available to monitor and control the AG150 remotely and receive Email under fault conditions.

ETHERNET · AG150 · M-NET · PAC-SC51KUA

Viewed using Microsoft® Internet Explorer

Technical Information

AG150 Controller

FUNCTION	DESCRIPTION
TOUCH SCREEN	Wide high resolution 9'' touch screen
OPERATION PLATFORM	CPU 1000 Mhz, 512 MB RAM, 6GB or more. Internal LAN 10/100 MBps running Windows Professional 2000 service pack 4 or Windows Professional XP service pack 2 or Windows Vista or Windows 7
MAX No. OF INDOOR UNITS	Up to 50 indoor units can be connected or 150 using an expansion controller (PAC-YG50ECA)
ON/OFF	Run and Stop operation for a single group
MODE SELECTION	Switches between Cool/Dry/Auto/Fan/Heat. Operation Mode will vary depending on the indoor unit. Auto mode is available with only R2 and WR2 systems
TEMPERATURE SETTING	Sets the groups temperature control. Cool/Dry: 19-30°C, Heat:17-28°C, Auto: 19-28°C
TIMER OPERATION	Annual or weekly. Night set back available allowing the setpoint to be set to 12°C
AIR FLOW DIRECTION	Air Flow angles:100°-80°-60°-40° and auto swing
FAN SPEED SETTING	4 speed: Lo-Mi1-Mi2-Hi, 2 speed: Lo-Hi
PERMIT/PROHIBIT FUNCTION	Individual prohibit operations for each remote controller function (Run/Stop, Temperature Setting, Mode Selection and Filter Reset) can be activated
INDOOR RETURN AIR TEMPERATURE	Displays the measured intake temperature from each group
ERROR INDICATION	Displays a 4 digit code and the affected unit address including the description of the error. An error log is held
TEST RUN FUNCTION	Allows each unit within the group to operate in test mode
VENTILATION INTERLOCK	Allows the group to be interlocked with a heat recovery Lossnay unit
OPTIMISED START	The equipment is started only as early as required to bring the building to a setpoint at the time it will be occupied. Running in an optimal state helps reduce energy usage.
AUTOMATIC SETPOINT ADJUSTMENT	The AG150 will change the setpoint depending of the outdoor temperature. PAC-YG63MCA and a PT100 sensor are required (PT100 sensor not supplied by MEUK). This function is only available in COOL mode
AUTO LOCK	The AG150 screen can be password protected. When the screen goes to standby and when the AG150 restarts, a username and password will be required
NIGHT SET BACK	During unoccupied hours the system works in a reduced state. For instance, an unoccupied room in heating mode will keep the temperature of the room between 16 and 19°C. In cooling the temperature will range between 24 and 26°C
AutoCAD DRAWING	A floor plan of the building in auto-cad format can be uploaded. For the facilities department it makes viewing and adjusting settings easier
WEB LOGIN	Administrator able to allow specific function access to guest
WEB SETPOINT LIMIT	Reduce the setpoint band of each individual unit (e.g. 23°C to 25°C)
WEB AUTO CHANGEOVER	Automatically switch heat pump outdoor unit to cooling or heating mode depending on the requirements
WEB INITIAL SETTING	Commission the AG150 from the web pages
WEB REFRIGERANT STATUS CHECK	Activate refrigerant volume checking function on Modular City Multi systems
WEB-INTERLOCK	The AG150 can interlock indoor unit input and output together. For instance, this function could be used for Hotel applications, if card in, set unit to ON, AUTO 21°C and if card out, set the unit to night set back. This function could also be set in conjunction with PIR sensor in meeting rooms
WEB-LOAD SHEDDING	Activate energy saving mode when energy consumption is too high
EXTERNAL INPUT/OUTPUT	Hardwired connections are available for : Inputs: Level Signal-Batch Start/Stop, Batch Emergency Stop Outputs: Start/Stop Status, Error/Normal Status
FIRE ALARM	Units will be switched off and the remote controller will be locked under fire alarm condition via a PAC-YG10HA
POWER SUPPLY	Power supply 240VAC 0.5A (PAC-SC51KUA required)
COMPATIBILITY	City Multi or Mr Slim via PAC-SF81MA or M Series via MAC-399IF
DIMENSIONS - mm (WxDxH)	300x62x175

AG150 Software Options - Pin Code Activation

AG150 - Basic	Web monitoring, Email, Annual scheduling	AG150 - VRC	Virtual remote controllers
AG150 - Energy	Energy monitoring, energy saving, load shedding	AG150 - Interlock	Interlocking function

DEMONSTRATION

Visit www.L1.mitsubishielectric.co.jp/ wink_doc/wink_files/acr/menu/ag150