

G50 Controller

Centralised controller for City Multi



Step into the future of control systems with the new G50 - the worlds first to use internet technology!

The new G50 controller from Mitsubishi Electric has to be seen to be believed! It's the first ever air conditioning control system to successfully use internet technology. By using Internet Explorer as its local or remote software, the G50 gives you instant access to all your control functions from the comfort of your PC. On the occasion when your off site you can view or monitor your system from another PC or even have a malfunction alarm sent to your mobile phone!

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Features & Benefits

Boasting the most comprehensive control ability that you'd expect from Mitsubishi Electric, the new G50 Controller has a great deal more to offer. It's the world's first ever air conditioning control system to successfully use internet technology!



It will connect to almost any network of computers, via ethernet and has the ability to control up to 50 indoor air conditioning units. Using Internet Explorer 5 or 6 as its local or remote browsing software, the G50 gives you instant access to all your control functions just where you need them!

Internet technology

- ▶ The G50 is the world's first ever air conditioning control system to successfully use internet technology
- With its web browser ability, you can easily access all of the control functions of the G50 from any PC.

Easy to view & operate

- ▶ View or operate using Internet Explorer 5 or 6
- In most businesses today the use of internet technology is common place. Most PC's already have Internet Explorer, and the majority of people are used to using it, so accessing the G50 is easy!

Control multiple sites

- ▶ Control multiple sites from one PC
- Save valuable time and money with the ability to monitor and operate multiple sites from any PC or mobile phone.

Easy remote access

- ▶ Remotely operate or monitor via a PC
- There's no need to be on-site when you don't have to be!

Simple to use

- ▶ Comprehensive controls that are easy to use
- Simplicity itself to operate, the G50 boasts a comprehensive range of functions to suit the most complex of control requirements.

Controls up to 50 units

- ▶ Control up to 50 units per controller
- Connect up to 50 air conditioning units per G50 controller and have the ability to then interface up to 255 G50 controllers. This really is control at its best.

Easy to upgrade

- ▶ Easy to upgrade making it future proof
- Numerous software upgrades are scheduled for the G50. With the promise of more capability and controllability the easy upgrades ensure the longevity of the G50 and it's functions. You can look forward to energy monitoring, demand control and yearly scheduling, to name but a few!

Automatic fault alert

- ▶ Able to alert malfunctions by email or text message to your mobile phone
- In the event of any malfunction, the G50 will notify you immediately. Using internet technology it has the ability to send necessary detail via email to your PC or if you'd prefer, a text message to your mobile phone.

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View & control using internet technology

Mitsubishi Electric are at the forefront of control technology with the brand new G50 controller. Able to control up to 50 indoor units, the G50 is web enabled and can be viewed and/or controlled using Internet Explorer. By readily connecting to your existing computer network, the G50 allows you to access and act on all the control functions from the comfort of your PC.



Monitor/Operation Malfunction Log System Setting Maintenance

Condition List Malfunction List Filter Sign List

Condition List

Office 2

ON OFF

Mode: Cool, Dry, Fan, Heat, Auto

Set Temp: [Slider] Air Direction: [Slider] Fan Speed: [Slider]

Prohibit Operation by Remote Controller: ON/OFF, Mode, Set Temp, Filter Sign

ON

Display icons

- Occurrence of abnormality
- Operation
- Lossnay on
- In timer Operation
- Stop
- Under energy-saving control
- Operation/occurrence of a filter sign



Monitor/Operation Malfunction Log System Setting

Condition List Malfunction List Filter Sign List

Condition List

Update Batch Operations

All-Area

Room	Mode	Set Temp	Actual Temp	Icon	Actual Temp
Service Room	Cool	19 °C	23 °C	[Icon]	24 °C
Lecture Room 2	Heat	28 °C	27 °C	[Icon]	28 °C
Office 1	Fan	- °C	27 °C	[Icon]	- °C
Control Room	Cool	19 °C	24 °C	[Icon]	24 °C
Lecture Room 3	Fan	- °C	28 °C	[Icon]	28 °C
Office 2	Fan	- °C	- °C	[Icon]	- °C

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Specifications

REQUIREMENT	SPECIFICATION
For use with which air conditioning systems	City Multi and Mr. Slim
Number of indoor units that can be connected	50 per controller
Power supply required	DC 12V, DC24V The G50 supplies from the following exclusive power supply unit: PAC-SC 50KUA-E
Outer dimensions	120mm x 300mm x 79mm (Height x Width x Depth)
Product weight	1kg
Rated current	0.2A (DC12V), 0.02A (DC24V)
Rated power	3W
Environment for use	Ambient temperature: 0°C - 40°C Ambient humidity 30% - 90% (as no dew condensation)

Functions

REQUIREMENT	FUNCTION
Operating and setting air conditioning system	Operate / Stop
	Operation mode change
	Temperature setting
	Air speed change
	Air direction change
Monitoring air conditioning system	Operating state (Operate / Stop)
	Operation mode monitoring
	Set temperature monitoring
	Malfunction alert
	Air speed change
Scheduling	Air direction change
	Able to do 7 day scheduled operation
	Able to send out Operation, Stop and Abnormality outputs
External input and output function	Able to perform Emergency Stop, and to Start / Stop externally

System Structure

