Monitors and control equipment

One-to-one LCD fan operation panel

MSC..S

【Description】

MSE20V series one to one LCD fan coil unit control panel is a special-purpose field operation man-machine interface. It has a large-scale graphic LCD with back light. It may facilitate the user to examine, setting, change and confirm each kind of control parameter value. For example the indoor temperature value, temperature setting, air condition mode, wind speed, off timer and alarm messages.

MSC20S

MSC23S

【Features】

- Use 16 bit microprocessor, high precise operation.
- Use two-wire communication network, Easy for wiring.
- The large-scale LCD is good for display temperature value, setting value, wind speed, air conditioning mode and abnormal state.
- LCD with the back light illumination may facilitate to operate at night.
- Selectable air condition running mode: automatic, cooling, heating and fan.
- Selectable fan speed: automatic, high, normal and low speed.
- Energy saving function, periodically start/stop for energy saving.
- Comfortable function, timely shift temperature setting while sleep.
- Has the 0~24 hour power off timer, may facilitate the overtime work situation.
- Flash memory design, keep memorize for more than ten years without power.
- Included self wakeup function (Watch Dog) when software is down.
- Key lock function to prevent unauthorized operation.

【Specification】

Model	Air-condition mode	Fan speed	Comfort Running	Save energy Running	Valve location	Remote control	Time	Timer Shutdown	Transmission Distance	Display Precision	Description
MSC20S	Auto / Cooling / Heating/fan	Auto / Fast / Normal / Slow	Y	Y	Y	N	Y*	0-24hr	1000M	Decimal point a digit	Working with DFC serial fan coil unit controller
MSC23S	Auto / Cooling / Heating/fan	Auto / Fast / Normal / Slow	Y	Y	Y	Y	Y*	0-24hr	1000M		Working with DFC serial fan coil unit controller

* Display time only when it is connected to a one to many fan coil group controller or to the control system computer.

Microprocessor: 16 bit high speed processor

Power Supply: 5~12VDC, 35mA Max. Power supply by DF. Series controller is available.

LCD Display: 45mm*35mm LCD display. Dynamic graphic display. Blue back light.

Temperature Range: 15～30℃(59～86℉)

Keys: 8 operation buttons with key lock function.

Communication: 2 wire MODBUS RTU standard RS-485 communication.

Environment : 0～70℃，0～95%RH non-condensing.

【Relative Products】 (detailed specification please refer to relative specification)

DFC… M Networking Fan Coil Unit controller: Special designed for small fan coil to do temperature and fan speed control.

RCB33 Infrared controller: Special designed for MSC23S LCD fan operation panel remote control.

【Installation】

- Read and follow the installation instruction in this document for installation to prevent danger or damage results.
- Check if this product meets your application requirement.
- Installer should be a trained and an experienced technician.
- Turn off power when installation. Electric shock or equipment damage may cause serious injury.
- Please install this display panel located 1.2M above ground with good ventilation.
- For optimal control effect, it is recommended to use AWG22 two-core shielded cable with exclusive EMT piping for transmission. Do not share the pipe with other power cable.
- Connect the display panel and fan coil controller by follow the pin number and wire color in Figure 1.
- Wall mounting the parts after wiring. Fix the parts with care. Make it flat without twist to prevent damage.

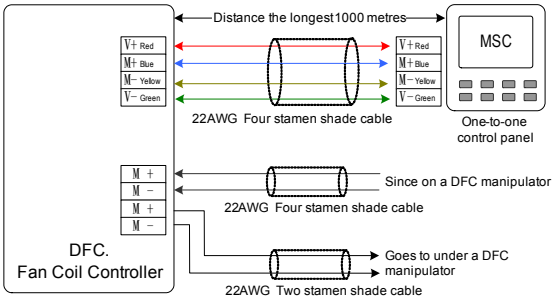


Figure 1 MSC operation panel with DFC. FCU controller

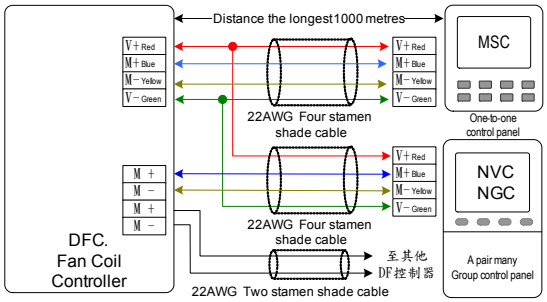
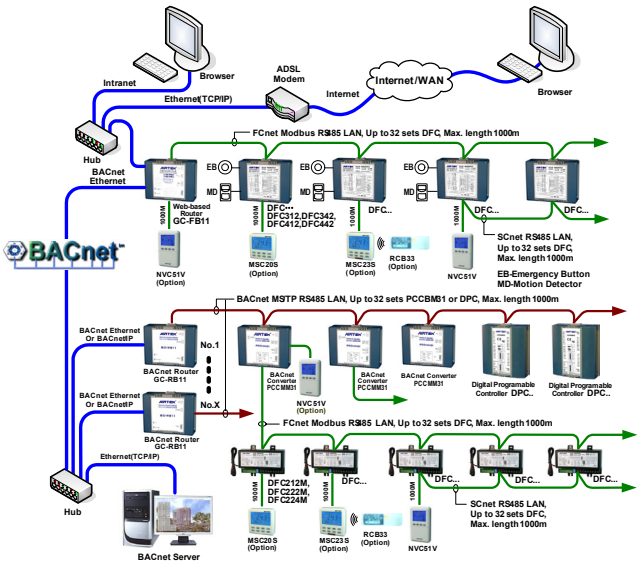
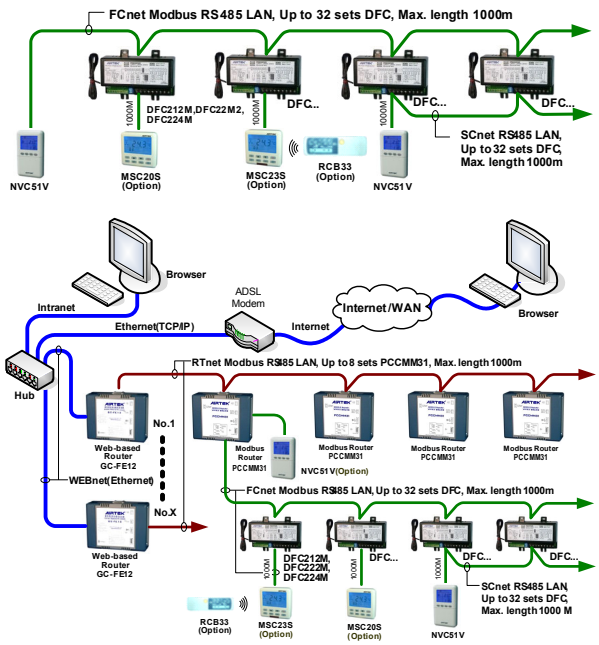


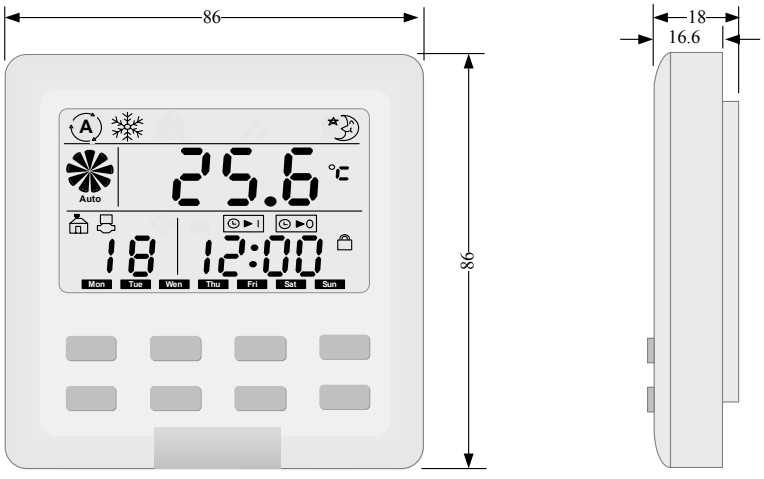
Figure 2 MSC, NVC / NGC with DFC. FCU controller

【Network architecture】





【Dimensions】unit：mm



Above information is for this product. We reserve the right to alter this information without notice

Please refer to http://www.airtek.com.au for the most recent updated information.