

Field Control Layer Device

DST70P

Individual LCD Touch Control Panel

【Description】

DST70P individual LCD touch control panel is designed to work with any type of AIRTEK DAC/DSC series controller which has MSnet port. It is a two-wire RS485 communication interconnection with the controller. It may facilitate the user by graphically to access, examine, setting, change and confirm each kind of control parameter value from DAC/DSC controller, for example temperature value, humidity value, devices operation status, and alarm messages, enable output points start/stop, changing the temperature and humidity setting values, etc. DST70P has a 7 inches TFT LCD touch screen and Simplified / Traditional Chinese / English display subtitles function, four function keys, build in with a 32-bit high performance microprocessor. User can use BACsoft software or HMIkit to edit screen pages, even corporate image or promotion leaflet can be loaded to the screen when in non operation mode, This not only enhance the added value of products but also enhance the effectiveness of corporate image advertising.



【Features】

- 32 bits Miniprocessor.
- Good for wall mount or installed in front of a control panel.
- MODBUS RS-485 RTU communication, can connect to MSnet port of a controller to display controller information.
- 7.0" TFT LCD touch screen, 262K colors, 800*480 pixel, set up with AIRTEK BACsoft software. Can support up to 65,536 colors.
- Selectable simplified Chinese, Traditional Chinese, and English, UTF-8 fonts, simplified and traditional Chinese can be displayed on the same screen graphic.
- Four  + F1 + F2 + F3 function keys,  is system setup key. F1, F2, and F3 can be set up as function keys for switch display pages.
- Update firmware and upload graphic pages by using a Mini USB cable.
- 128M Bytes fonts and graphic memory. It can hold numerous pages display graphic. Actual pages depend on data size.
- Read/Write Present Value and Priority Array of AI/AO/AV/BI/BO/BV of the controller it attached.
- It displays alarm and keep the most recent 80 alarms, if the controller (DAC, WC, or GC-DB) it attached receive an alarm notification.
- 10 password levels. User can setup up to 20 passwords.
- Plug and play.

【Specification】

Model	Port	Protocol	Size	Pixel	Handle Controller
DST70P	MSnet	Airtek ViewPort	7"	800(V)*480(H)	1
DST70P-G	MSnet	MODBUS	7"	800(V)*480(H)	32

Note: When the models listed above add "-BL", it means the panel has a black case and a black aluminum face.

Power Supply : 24VAC/VDC, 15VA (Do not use the 24VDC provided by a DDC. It does not have enough watt)

LCD Display : 7.0", 262K colors, touch screen TFT LCD, 800*480 pixels.

Microprocessor : 32 bits Microprocessor, 1MB SRAM, 128MB NAND Flash memory, this 128MB memory for fonts and user data.

MSnet Port : MODBUS RTU RS-485 bus, communication speed 9,600 bps, max. transmission distance 1200 meters.

USB Port : A Mini USB for upload firmware and information.

Clock : A gold capacitor to run clock for 48 hours after power interrupted.

Keys : Four function keys  + F1 + F2 + F3.  is system setting key. F1, F2, and F3 are the function keys.

Buzzer : One buzzer

Environment : 0~50°C, 20~90%RH non-condense.

IP Grade : Front cover IP65, NEMA4

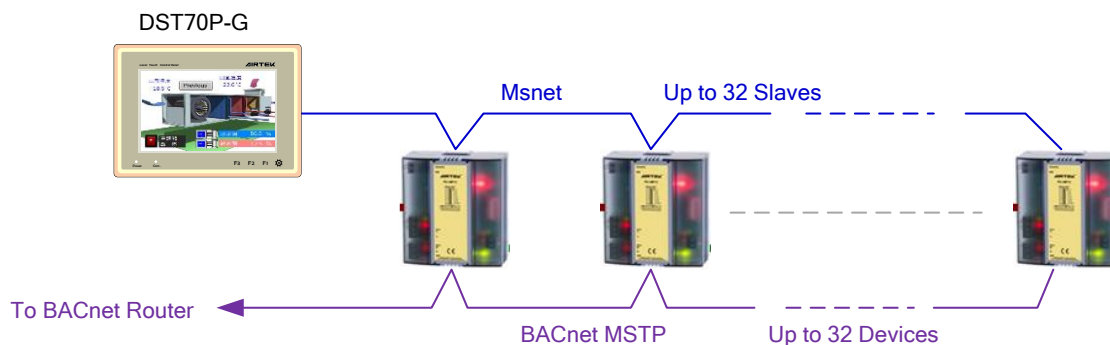
Certificate : CE(EMC Directive 2004/108/EC), FCC(Part 15,Subpart B,Class A).

Accessory : HMI-LINKER (Mini USB cable). Selectable, not included.

Power Supply : 24VAC/VDC, 15VA (Do not use the 24VDC provided by a DDC. It does not have enough watt)

AIRTEK

【Network】



【Installation】

- For panel mounted, must cut a hole 197.6 ± 0.5 mm (height) * 137.1 ± 0.5 mm (width) for the panel, It should have enough wiring space for power and network.
- Lock the fixed sheet iron by the screw, then installs the controller and pushes down to fix it. Uninstall it by the reverse process.
- Use the AWG22 shield cable and EMT to obtain good control effect.
- An independent 24VAC power supply is required for this device. This power supply should not share with other devices.
- Setup, upload firmware, and upload graphic display by using the BACsoft software and connect PC to DST70P with USB2.0 to Mini USB cable (see Fig. 2).
- Pay attention to avoid dust, condensate environmental element to prevent product damage.

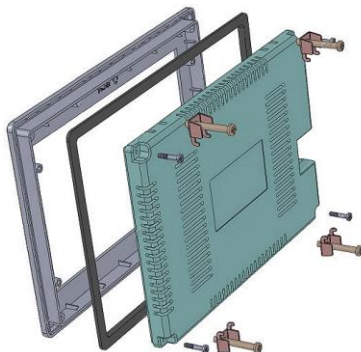


Fig. 1 Installation

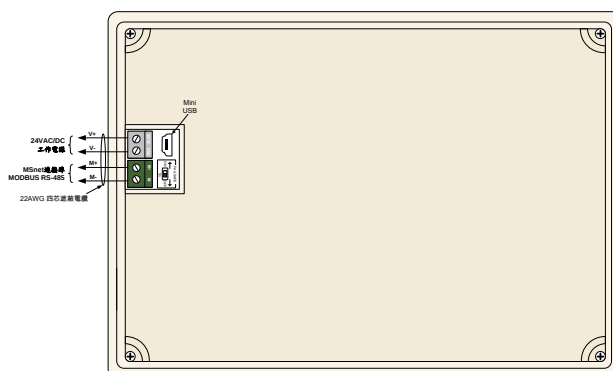


Fig. 2 DST70P Wiring

【Dimension】 Unit: mm

