

Field Control Layer Device

DST70P(-G)

Individual / Group LCD Touch Control Panel

【Description】

DST70P series 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 transmission 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, 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.
- 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.
- 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.
- The group control version (DST70P-G) can read and write up to 32 controls via MSnet's RS-485 network.
- Plug and play.

【Specification】

| Model | Port | Protocol | Size | Pixel | Handle Controller | Note |
|----------|-------|-----------------|------|---------------|-------------------|----------------------------------|
| DST70P | MSnet | Airtek ViewPort | 7" | 800(V)*480(H) | 1 | Black case, black aluminum plate |
| DST70P-G | MSnet | MODBUS | 7" | 800(V)*480(H) | 32 | Black case, black aluminum plate |

Power Supply : 24VAC, 2VA

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.
Group control version DST70P-G Up to 32 controllers can be connected via MSnet.

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

Real Time Clock : There is a gold capacitor to run clock when the power is interrupted.

Keys : System function keys are the small dots on the upper right side of the screen; on-screen touch keys F1, F2, F3 are programmable functions.

Buzzer : For operation prompt and alarm prompt.

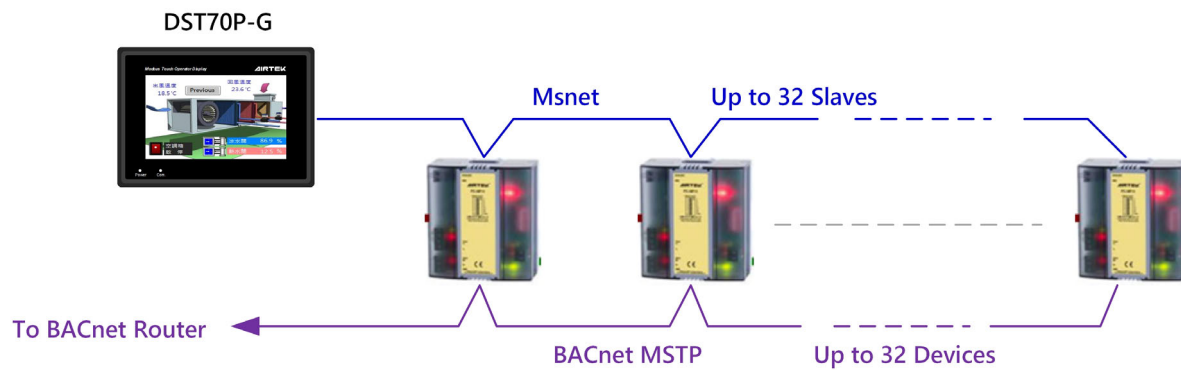
Environment : 0~50°C, 5~95%RH non-condense.

IP Grade : Front cover IP65, NEMA4

Certificate : CE, FCC, RoHS.

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

【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.
- When installing according to (Fig.1), first pull up one side of the spring clip and put it into the wall, then pull up the other side and put it into the wall, then the panel will be close to the wall.
- Use the AWG22 #2C 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.

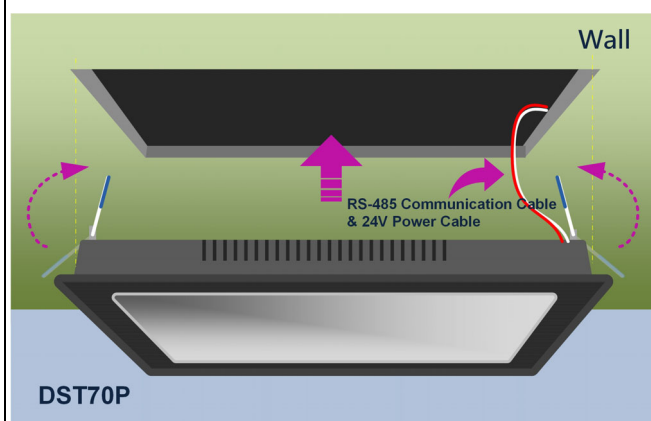


Fig. 1 Recessed Light Installation Schematic

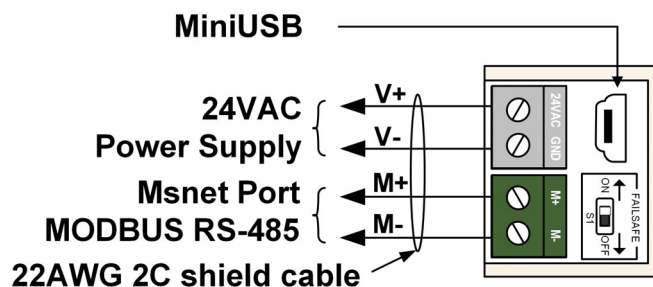


Fig. 2 DST70P Wiring

【Dimension】 Unit: mm

