





Unitary LCD Touch Panel

【Description】

MFT28U LCD backlight touch panel is used with DF .. Series networking fan coil controllers. It uses a two-wire Modbus RS485 network communication and can be connected to a single fan controller. The pre build graphic screen allows the user to execute typical control commands such as :- Manual start and stop, time schedule start and stop, temperature setpoint adjustment, delay timer shutdown, fan speed selection etc. The screen will display fan speed status, room temperature and setpoint indication, operation mode (Auto, Heat, Cool), fault alarm, delay stop time.

There are four dedicated function keys ( +  +  + ), for quick set up and uses a 32-bit microprocessor for hi performance. The screen can be mounted up to a distance of 1,200 meters away from the controller. Screen images can be loaded using NFT editor software provided by AIRTEK. Corporate images or promotion content can be loaded in to the panel for automatic rotating advertising when in idle mode.









The internal clock can be synchronized with a central controller (BMS) or internet updates or manually set from the screen.



【Features】

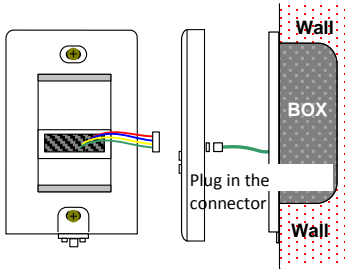
- 32 bit microprocessor.
- MODBUS communication to DFC series controller (SCnet).
- 2.8 "screen, 262K color touch TFT LCD, resolution 320 * 240 modules, display color up to 65,536 colors.
- Access to Advanced setting screen via control panel buttons.
- 4 selectable background scenes each with cooling, heating, fan, (three different pages), total 12 pages.
- Advanced Settings function selection screen there are selection modes for sleep, energy saving, scheduled on/off, timed shutdown, system configuration, product information, passwords etc.
- Micro USB interface cable is used to update the firmware and upload pictures Information.
- Variety of image can be stored in the unit for marketing purpose (up to 18 pictures), display unit act as an advertising panel when in "no operation" mode.
- Features:- Password lock, selectable temperature units and background settings, buzzer, media player, brightness, clock mode.
- Clock mode can be either selected for automatic synchronization from a central controller such as a BMS system or update via the internet. When in standalone mode the clock can be set manually.

【Specification】

Power Supply	: 5~12VDC, 2VA. (Power sources offer by DFC. controller.)
Microprocessor	: 32 bit high speed processor. with 64K RAM & 384K Flash memory.
SCnet Port	: Standard MODBUS RTU RS-485 bus, communication speed 9,600 bps, max. transmission distance 1200 meters.
LCD Display	: 2.8"display panel, 262K TFT LCD, resolution 320*240.
Memory	: 8M text font storage and end user data memory space.
USB Port	: Micro USB interface, update firmware and download scada data.
Realtime clock	: Ultra capacitor for power failure back up, support up to 48hours back up for clock after power failure.
Environnent	: 0~50°C, 20~90%RH non-condensant.
Function Key	: With  +  +  +  four type of function key.  Fan coil start/stop,  ,  set temperature,  fan speed
Buzzer	: For notification and Alarm usage.
conformity cert.	: CE, FCC Park 15, Subpart B, Class A.
Accessoires	: HMI-LINKER

【Installation】

- Fits a standard single gang electrical box/plate, it can be mount horizontal or verticale.
- Hot-swappable design, PLUG-IN terminals for easy adjustment test.
- Recommended AWG22 four core shielded cable and EMT pipe for protection.
- Use USB2.0 and Mini USB conversion cable to link MFT28U with Micro USB port (Figure 3) to set the data, update firmware and download the graphic control interface data
- Avoid dust, condensation and other environmental factors.



Connect in according
to diagram

Fig 1 Installation diagram

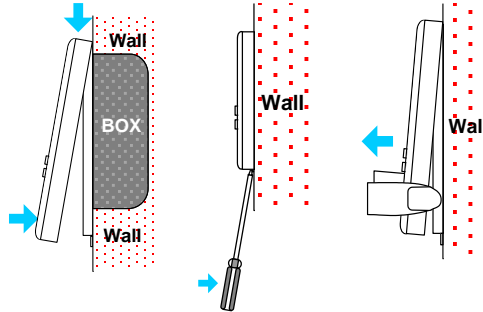


Fig 2 Dismount diagram

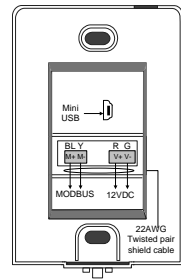
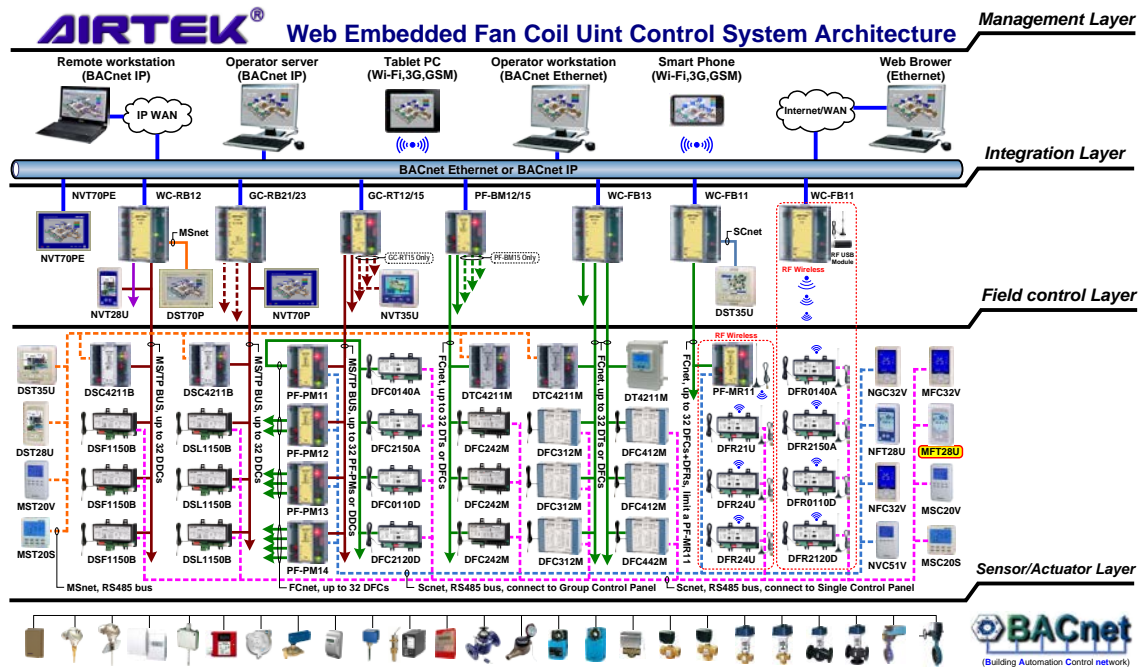


Fig 3 MFT28U
connection diagram

【Wiring Diagram】



【Dimensions】 Unit : mm

