

Application

TX-410 Touch screen Programmable is a friendly interface, 7-day programmable thermostat that provides universal heating, cooling, air conditioning or heat pump system compatibility.

Through software or hardware parameter setting, this thermostat adapts quickly to suit the variations required in different control projects. MODBUS protocol is available.

The installer is able to configure TX-410 to control Heat Pump system (with auxiliary or emergency heating if necessary), gas/ oil / electric boiler heating system with add on cooling, control high and low balance points as well as the number of heating and cooling stages needing precise control.



Features

- Large, clear display with backlight shows the current and set temperature and thermostat in the dark
- Menu-driven programming makes setup effortless
- Touchscreen interactions, Surface mount
- Real-time clock keeps time during power failures
- Change/check reminders let you know when to do maintenance or replace filters
- Various Hold options allow you to override the program schedule, as desired
- TX-410 Touchscreen programmable thermostat enjoy a great wide range of application fields

Additional Features

- Auto changeover
- Selectable programmable or manual mode
- Heat cool or heat pump (O/B) logic
- Add on & Emergency Heat Control
- High & Low balance points
- Single or 3 speed fan control
- Keyboard and/or Temperature Locks
- Programmable occupancy inputs
- Adaptive Recovery
- PIN protected menus (installer PIN)
- Outside air temperature display
- 24VAC powered with memory backup
- Remote temperature sensors available
- RS485 interface MODBUS protocol available

Specification

Input Voltage	: 24VAC 50/60 Hz +/-15%
Relay Rating	: 24VAC @ 1 Amp Maximum per relay
Operating Temperature	: 0-50 °C (32 to 122 °F).
Operation Humidity	: RH 0 - 95% (non condensing)
Storage Temperature	: -20 - 55 °C (-4 to 131 °F).
Size 113 x 103 x 23 mm.	: Display Size 74 x 55mm.
Temperature Sensor(s)	: 10 K NTC
Accuracy	: 1 °F (± 0.5 °C)
Stage Delays	: Minimum Temperature change over time method.
Timed upstage Delay	: 5 ~ 90 minutes.
Anti- cycle Delay	: Off to 4 Minutes.
Maximum hourly cycles	: Unlimited,30,10 or 6.(Installer set)
Display Resolution	: 0.5 deg °C (1 °F)
Control Range	: Off to 38 °C (100 °F).
Outside Air temp display range	: 8 ~ 60 °C(17 ~ 140 °F).
Back light Blue EL.	: Backlight life 3,000 hours to half brightness.
Optimised Start/Stop method	: Time to start vs temp differential method-updating.
Communications Protocol	: Modbus - contact factory for objects list.
Fan Speeds	: Based on difference between room and set temp.
Mounting	: Surface mounting

Wiring Diagrams

