System Status

unit 1

09:11 AM

67.8 °F
return temperature

2.8 %
discharge temperature

set points
72.0 °F
50.0 %

67.8 °F
cool 1

pGD Touch +
Smart Microprocessor
The System 2500 is a programmable controller based on a double microprocessor, designed for precise “Smart” control of an air conditioning system.

The System 2500 is made up of a microprocessor based MAIN BOARD equipped with a set of terminals used to interface the microcontroller board to the controlled devices such as compressors, fans, heaters, humidifiers, and valves.

The program is retained in a flash based memory and configuration parameters are permanently stored (even in the case of a power failure) in a non-volatile memory.
Intelligent Microprocessor

Automatic functions
- Compressor Short Cycle Control
- System Auto Restart
- Sequential Load Activation
- Common Alarm Relay
- Manual Diagnostics
- Auto redundancy failover to standby units
- Optional selectable alarm relay

Programmable functions
- Temperature Setpoint
- Humidity Setpoint
- Temperature Alarm Points
- Humidity Alarm Points
- Unit Stage Time Delay
- Inter-stage Time Delay
- Audio Alarm (internal LCD)
- Restart Mode
- Fire-stat Tripped
User Graphical Interface

Touchscreen user interface featuring 800 x 480 pixels in size and up to 65K colors, animated icons, non-proportional fonts in Unicode format, supports transparency and trending graphs.
System 2500 offers a new level of access, each category is protected from unauthorized access

Multilevel User

1. **Standard User**
   - System On/Off
   - View temperature
   - View alarms
   - View trendings
   - View status
   - Setpoints adjustments

2. **Technician**
   - Maintenance
   - System set up
   - Network set up
   - Sensor calibration

3. **Admin**
   - Factory Settings
     only

**USB**
- Software update
- Store Diagrams
- Store O&M
System 2500 + cPCO controller supports unit to unit communications with up to 32 units via a Private Local Network also known as pLAN.

**System 2500 + cPCO**

Local and remote control your HVAC system.

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**Optional Supported Communications**

- BAC Net
- LonWorks
- Modbus

**Optional pLAN Functions**

- Lead/Lag function
- Alarm switch over
- Network assist
- Redundancy

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Local Connectivity

Control, Connect and Monitor
Up to 32 systems.

Network Assist functions allow both active and standby units to work in a teamwork mode. In case of a cooling, heating, humidifying, or dehumidification is needed, standby units can become active to assist bring the room down to its setpoints. Once the room setpoints are met, the standby units return to their standby stage.

Each unit can be individually configured to switch over to the standby units based on a user selectable alarm options.
pGD Touch 7

Tech Specs

**Display**
- Screen: 7.0"
- Colors: 65,000
- LCD Type: WVGA (16.9)
- Touch: Resistive
- Resolution: 800x480
- Memory: 128 Mb

**Connectivity**
- BAC Net: RS485
- BAC Net: MS/TP
- BAC Net: TCP/IP
- Card port: SD Card
- USB Port: 2.0
- Modbus: TCP/IP

**Dimensions**
- Width: 7.37"
- Height: 5.80"
- Depth: 1.80"
- Battery: Lithium

*subject to change without notice*
pGD Touch 13

Tech Specs

Display
- Screen: 13.0"
- Colors: 65,000
- LCD Type: WVGA (16.9)
- Touch: Resistive
- Resolution: 1280x480
- Memory: 256 Mb

Connectivity
- BAC Net: RS485
- BAC Net: MS/TP
- BAC Net: TCP/IP
- Card port: SD Card
- USB Port: 2.0
- Modbus: TCP/IP

Dimensions
- Width: 13.22"
- Height: 10.51"
- Depth: 2.20"
- Battery: Lithium

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