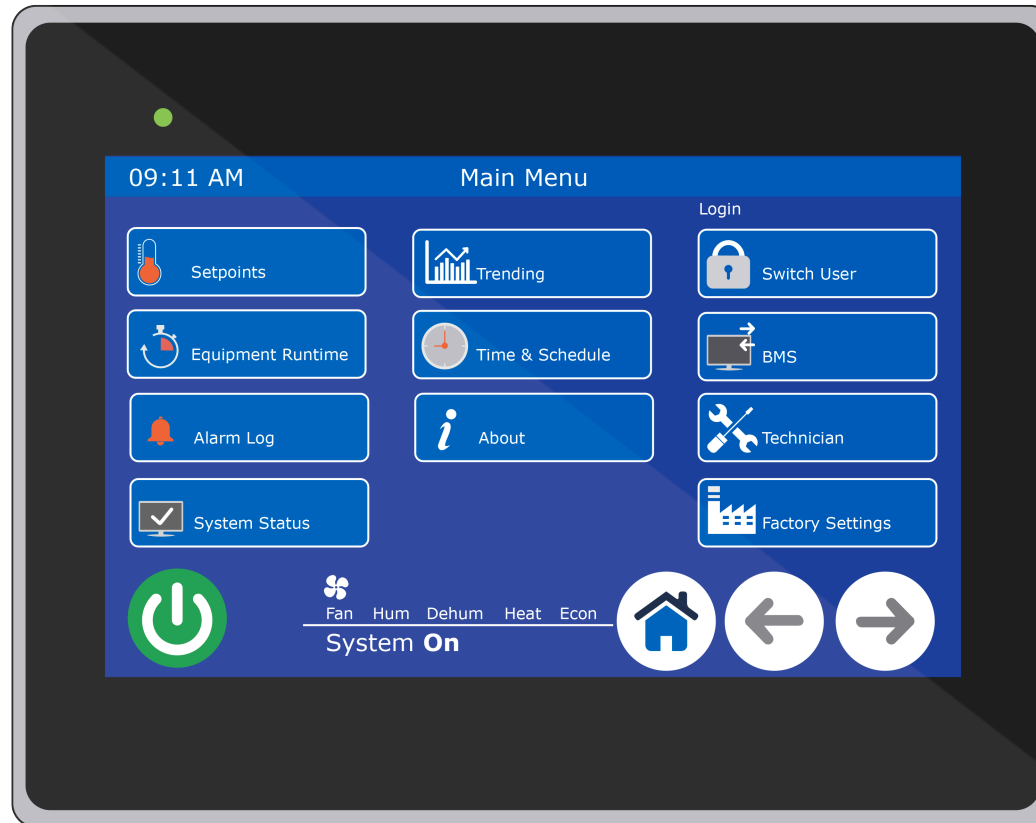




**pGD Touch +  
Smart Microprocessor**

# Solid. Bold. Precise.

An ingenious device with greater precision



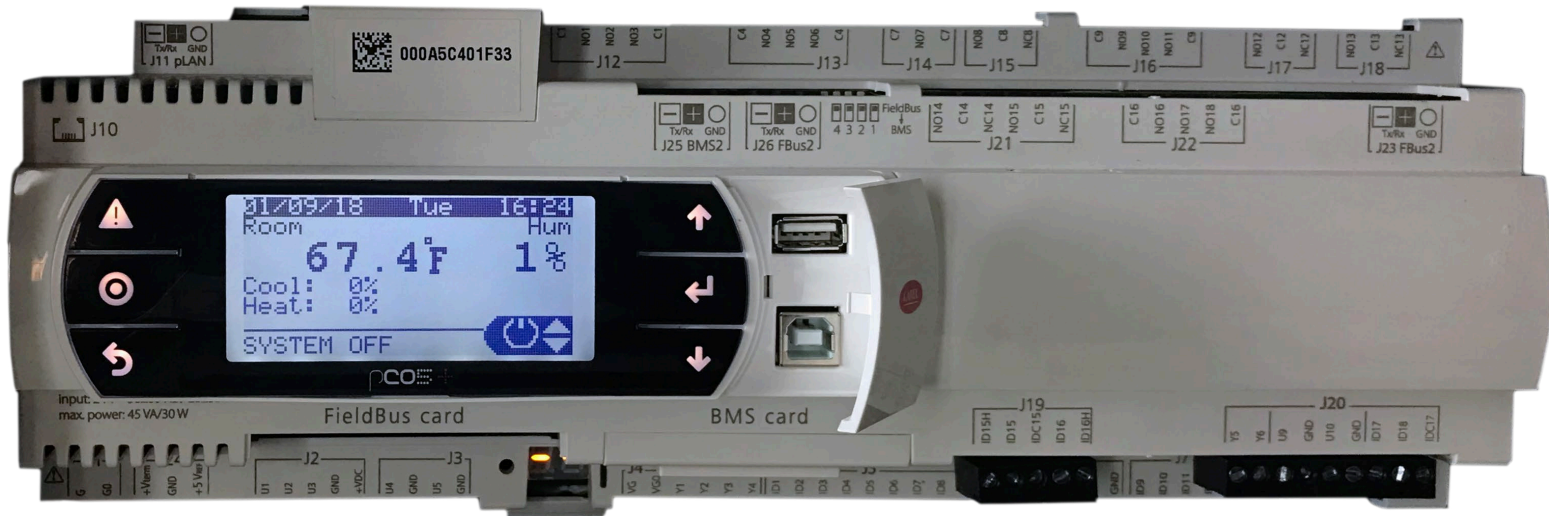
## System 2500 SERIES

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

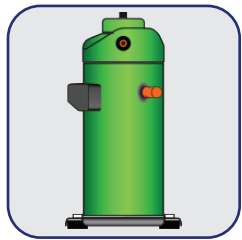
- Compressor Short Cycle Control
- System Auto Restart
- Sequential Load Activation
- Common Alarm Relay
- Manual Diagnostics
- Auto redundancy failover to standby units
- Optional selectable alarm relay

## Programmable functions

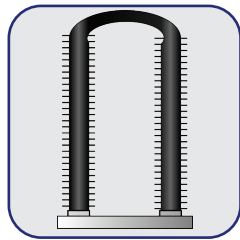
- Temperature Setpoint
- Humidity Setpoint
- Temperature Alarm Points
- Humidity Alarm Points
- Unit Stage Time Delay
- Inter-stage Time Delay
- Audio Alarm (internal LCD)
- Restart Mode
- Fire-stat Tripped

# 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.



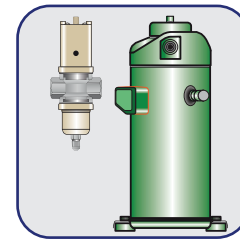
*Compressor Stage*



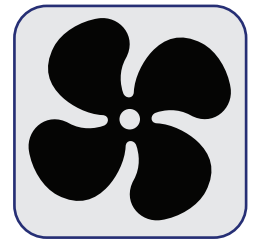
*Heating Stage*



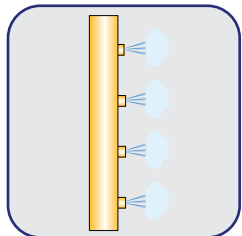
*Demand Output*



*Pumpdown Mode*



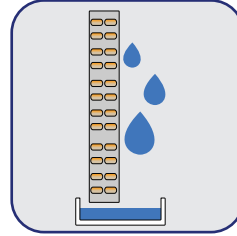
*Evaporator Fan*



*Humidifier Mode*



*Cooling Mode*



*Dehumidification*



*Heating Mode*



*Cooling Assist*



## Multilevel User

System 2500 offers a new level of access, each category is protected from unauthorized access

**1**

### **Standard User**

- System On/Off
- View temperature
- View alarms
- View trendings
- View status
- Setpoints adjustments

### **USB**

- Software update
- Store Diagrams
- Store O&M



**2**

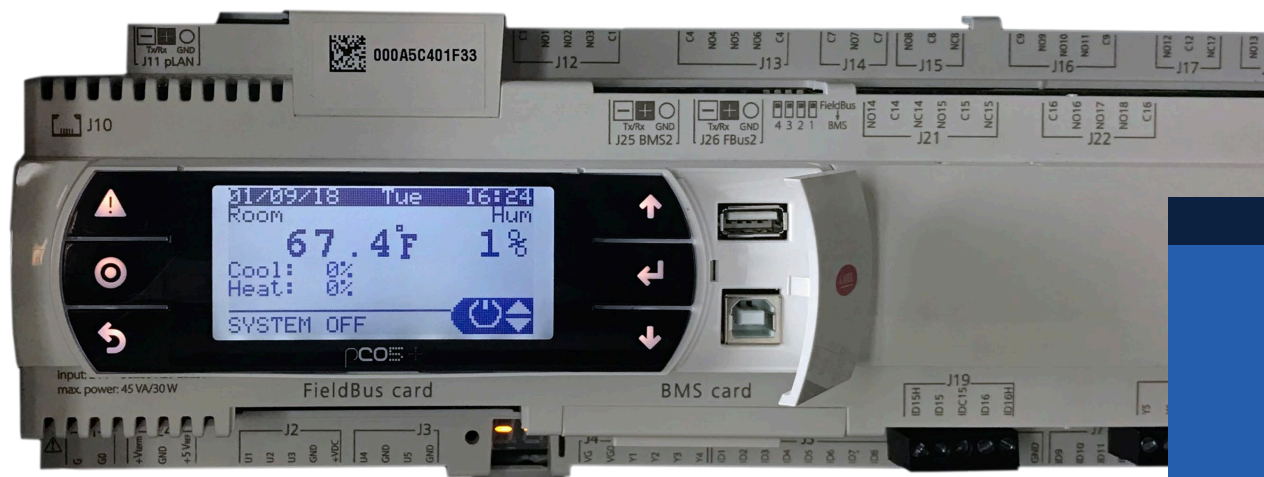
### **Technician**

- Maintenance
- System set up
- Network set up
- Sensor calibration

**3**

### **Admin**

- Factory Settings only





### Optional Supported Communications

BAC Net  
LonWorks  
Modbus

### Optional pLAN Functions

Lead/Lag function  
Alarm switch over  
Network assist  
Redundancy



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.

*subject to change without notice*

Rev. D 042019



# Local Connectivity

## Control, Connect and Monitor Up to 32 systems.

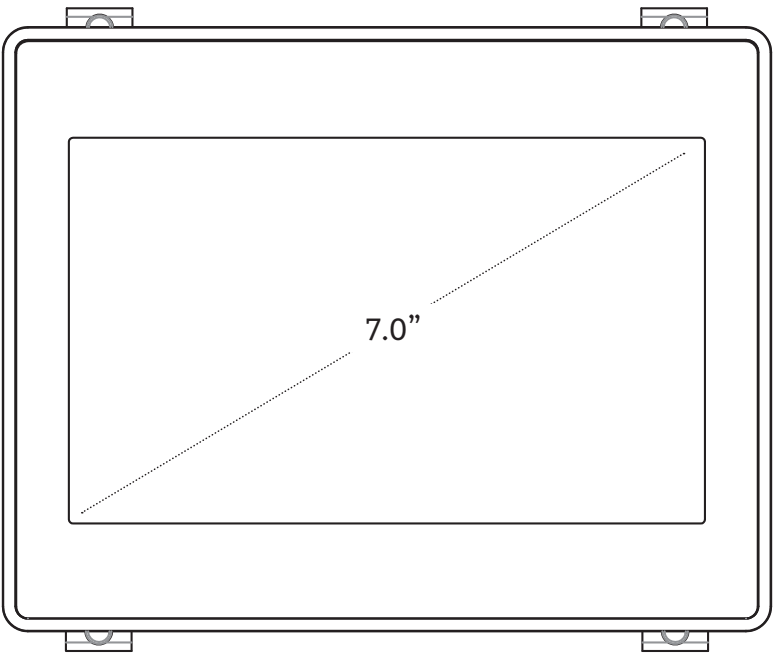
Network Assist functions allow both active and standby units to work in a teamwork mode. In case of a cooling, heating, humidifying, or dehumidification is needed, standby units can become active to assist bring the room down to its setpoints. Once the room setpoints are met, the standby units return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

Up to  
**32**

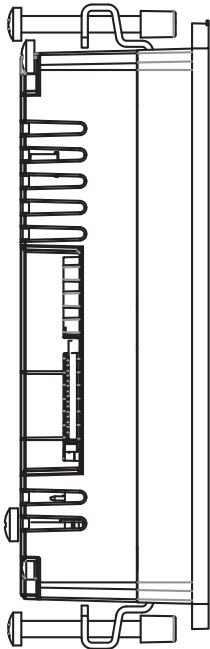
Each unit can be individual configured to switch over to the standby units based on a user selectable alarm options.



# pGD Touch 7



Front view



Side view

## Tech Specs

### Display

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

### Connectivity

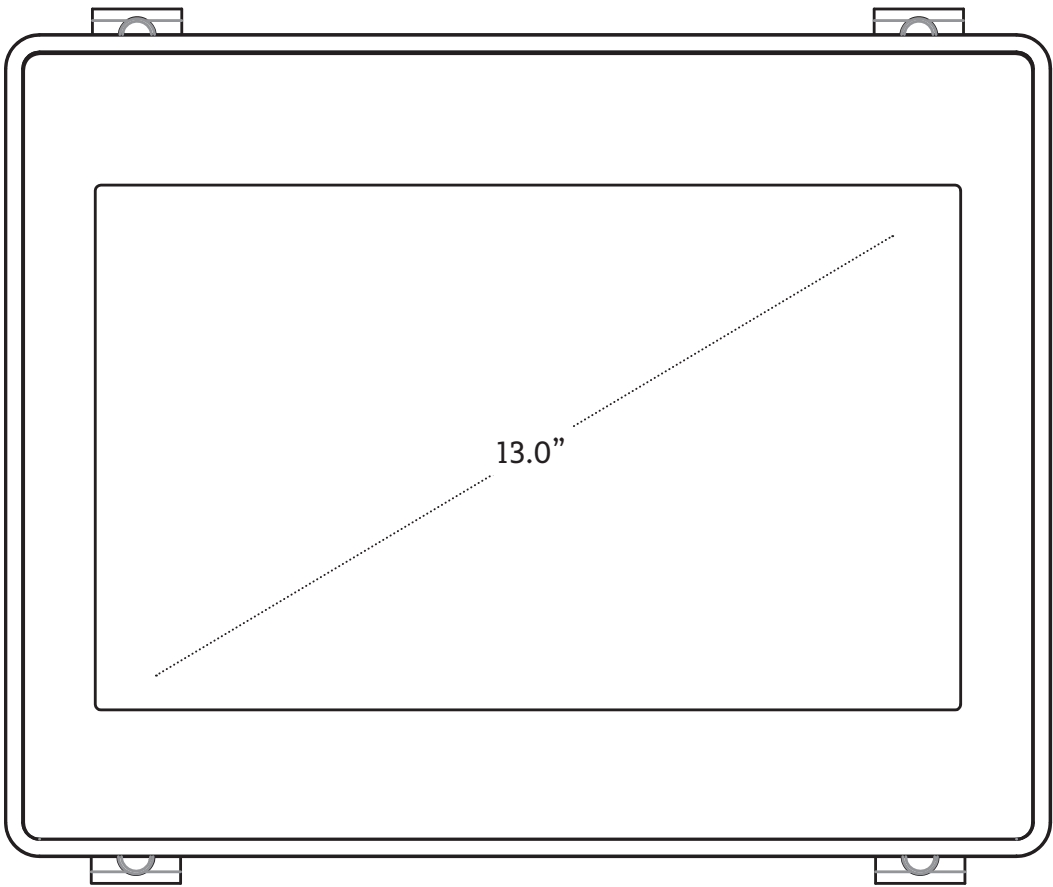
BAC Net	RS485
BAC Net	MS/TP
BAC Net	TCP/IP
Card port	SD Card
USB Port	2.0
Modbus	TCP/IP

### Dimensions

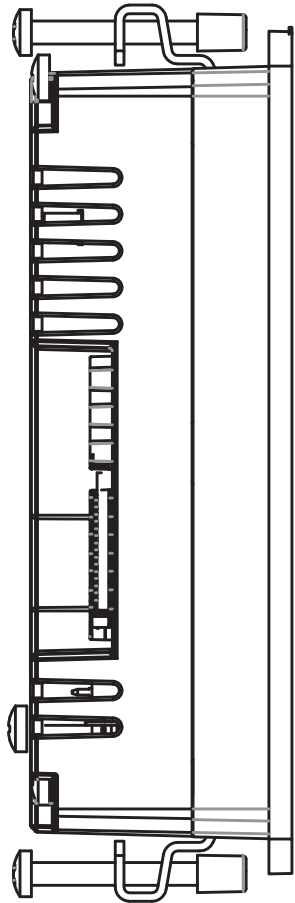
Width	7.37"
Height	5.80"
Depth	1.80"
Battery	Lithium



# pGD Touch 13



Front view



Side view

## 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