OPTICORE SYST1-5 DISPLAYS

The OptiCORE SYST1-5 display is an integrated component of a Building Automation System. It features an illuminated, 5" color pixel touchscreen display and connects directly to a network of Opticore or MS/TP controllers. Designed for wall mounting, it provides building occupants, facility managers, and installers a powerful user interface for managing all of the equipment in a building.
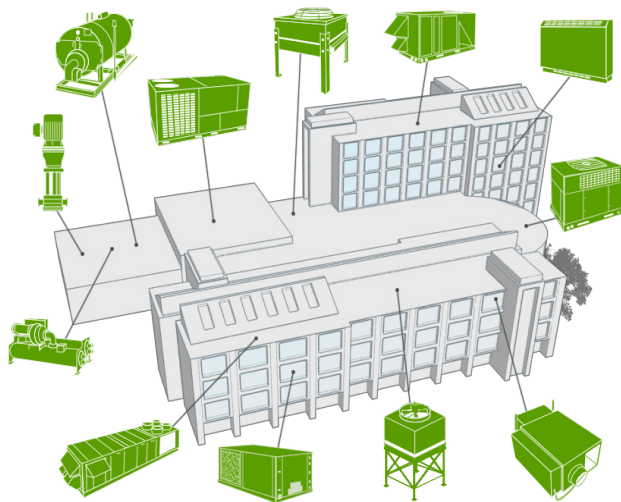
Application Features

- Auto-discovery of BACnet controllers on MS/TP network
- Supports custom "system-level" screens
- Allows user to browse to equipment and display custom equipment screens
- Individual equipment and Group scheduling
- Historical trending
- Draw occupants attention to important information with conditional alarming, color changes, and graphics
- Features a high resolution, capacitive multi-touch screen
- Support for 13 international languages and characters
- Can serve as a technician's HVAC equipment interface
- Multi-level password protection for security
- Access virtually any point in the controller
- View and edit BACnet time schedules
- View all alarms in controller
- Change setpoints easily
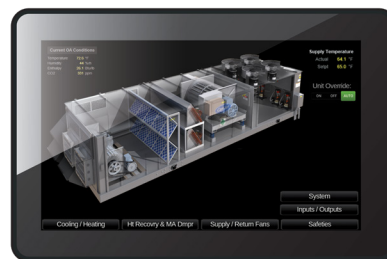
Hardware Features

- 5" color touchscreen
- Rugged, industrial grade display including a wide temperature range and vibration resistance
- Fanless cooling system and ultra- low power consumption
- On-board temperature and humidity sensor
- Wall-mounted

Programming Features

- Easily programmable using ViewBuilder WYSIWYG editor, which includes a library of interactive controls
- Supports standard System Touch files
- Support for graphics
- USB-C port for local device updates
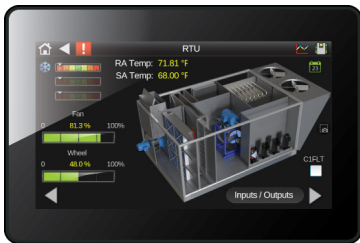- Supports screen capture to USB flash drive
- Built-in PDF viewer
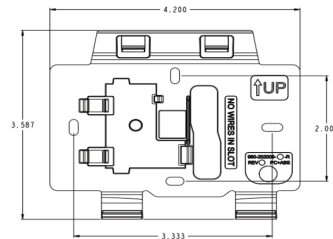
Customize for any application

vb ViewBuilder

OEMCtrl

ASHRAE BACnet™

Specifications

Part #	SYST1-5
Display	5" Color Display
Resolution	800 x 480 pixels (Wide VGA)
Touch	Capacitive Multi-Touch
Viewing Angle	Ultra-wide (nearly 180 degrees)
Max Colors	24-bit
Power	24 Vac (±15%), 5 VA, 50 - 60 HZ, Class 2 external power supply, 12-24 Vdc
Communication	BACnet MS/TP
Ports	EIA-485 based serial port for BACnet MS/TP; USB-C host port for firmware upgrades
Microcontroller	32-bit
Mounting	Wall or panel mounting within the building interior
Environmental Range	-4 to 140°F (-20 to 60°C), 10–90% relative humidity, non-condensing
Temperature Sensor	Range: -4 to 140°F (-20 to 60°C) Accuracy over 30.0 to 100°F: ±1.0°F (±0.55°C) Accuracy over full range: ±2.0°F (±1.1°C) Resolution: 0.2°F (0.1°C)
Humidity Sensor	Range: 0 to 100% RH Accuracy over 20 to 80% RH: ±3.0% RH Accuracy over full range: ±5.0% RH Resolution: 0.05% RH
Memory	32 MB Flash memory to store program code and screen file 16 MB RAM to store variable data and LCD data 8 kb Serial EEPROM to store non-volatile configuration data 1.6 MB maximum file size
Device Identification	A serial number label beginning with STA is on the back of the device
Enclosure	ABS plastic with polycarbonate bezel
Real Time Clock	365/day real-time clock/calendar chip keeps track of time in the event of a power failure for a minimum of 3 days
Compliance	UL-916 (PAZX), CE, FCC Part 15-Subpart B-Class A

	in.	cm
Width:	5.30	13.47
Height:	3.7	9.41
Depth:	0.79	1.99
Weight:	8.0 oz	0.23 kg