

# NEXT GENERATION UNIVERSAL CONTROLLER

## TCU-NG1



- Controller
- Gateway
- Aggregator

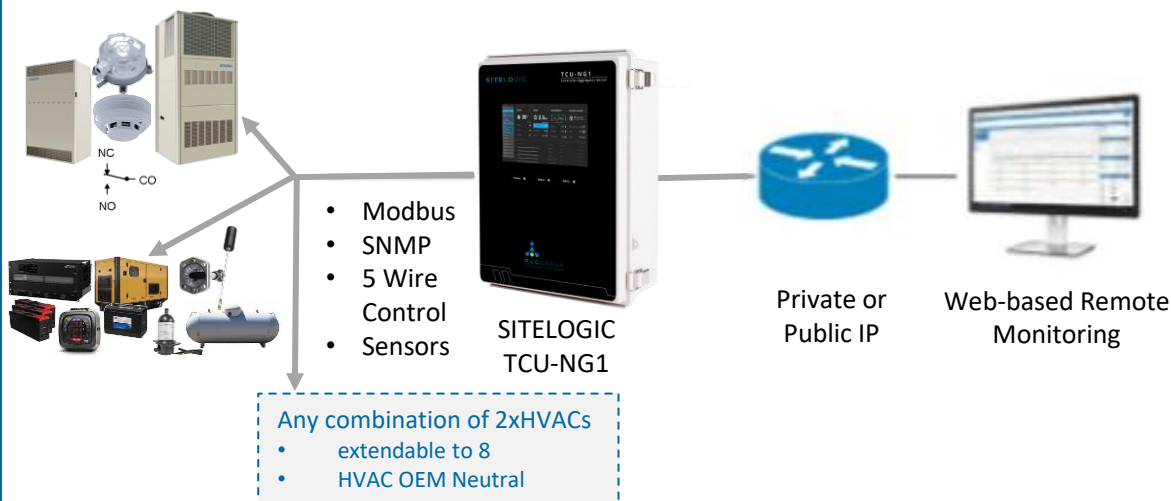


**PLC GROUP**  
ACTIONABLE INTELLIGENCE

# TCU-NG1 UNIVERSAL HVAC CONTROLLER

## PLC GROUP Corporate Portfolio

- Data Centers & Telecom Real-time Monitoring Solution
- Energy Monitoring Solution
- Facilities Management & Planning Solution
- Free Air-Cooling, Heat Pumps & HVAC Monitoring & Control
- Generator Monitoring & Control Solution
- Access Control & Audio Solutions
- Managed Services
- Tower Light & Monitoring Control Solution
- Professional Services



### KEY ATTRIBUTES

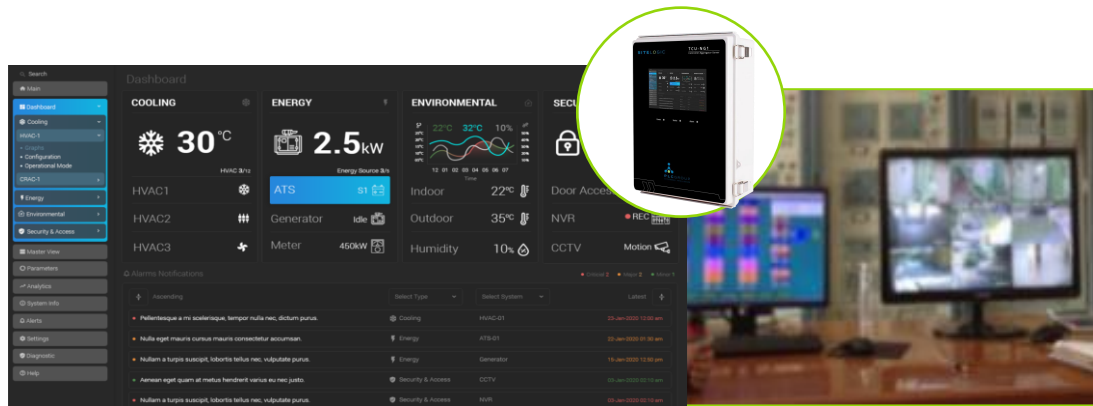
- Comprehensive Universal HVAC Controller with Remote Monitoring for any combination of up to 4xHVAC (AIRSYS/BARD/MARVAIR, etc.) and expandable to 8 WPU's
- Integration with third party servers/clouds
- Opex reduction through critical resource prioritization
- 7 Inch touch display and multiple Control Schemes

## SITELOGIC PORTFOLIO

### SITELOGIC Products

- Remote Monitoring and Control
  - HVAC Controller
  - Generator Controller
  - Tower Light Controller
  - Energy Meters from single to multi-tenants / circuits
- Communication Gateway
- Sensor Nodes (Wired and Wireless)
- Sensors (Temperature / Humidity)

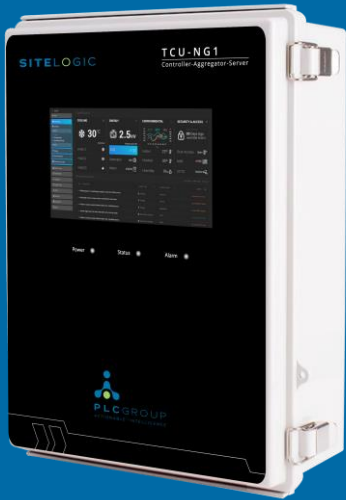
SITELOGIC is PLC's Hardware portfolio of Fixed and Modular controllers, IoT Gateways and Sensors for Remote Visibility and Control of critical infrastructure elements. The SITELOGIC products are vendor neutral and seamlessly integrate with the set of the existing infrastructure elements such as Batteries, Generators, HVAC, Tower Lights etc. Through SITELOGIC integration, users can monitor and control these elements over 4G/3G/2G/Wi-Fi/Ethernet and using protocols such as Modbus, SNMP etc.



# TCU-NG1

## TECHINICAL SPECIFICATIONS

### Intelligent Monitoring & Control



### Touch Display

LCD/RGB 7" 800 x 480 pixels

### Dimensions

5.11 x 14.96 x 11.02 (H x W x D)

### Weight

600gm

### KEY SPECIFICATIONS

- Next Generation Universal Controller with Remote Monitoring for any combination of 2xHVAC or Heat Pumps Control (AIRSYS/BARD/MARVAIR etc.).
- 7" Inch capacitive touch display and multiple Control Schemes
- 16GB Shared Storage (expandable to 32GB)
- 18-72V DC Power Input
- 32 Universal Input Interface (Sensor 0-5V, 0-10V, 4-20mA, Alarms) etc...
- 12 Analog Output
- 13 Control Output Relays
- 3x RS485, 2xRS232, 3xUSB Serial 1xUB OTG, 1xCAN Interface
- Wi-Fi/Bluetooth/LTE (Optional add-on)
- 8-Port LAN switch (10/100/100G)

### SOFTWARE FEATURES

Universal Controller with Temperature and Humidity Sensors

Modular Software configuration

Web GUI interface and user configurable dashboards

Alarms configuration & reporting

Performance summary graphs and runtime reports over Modbus/SNMP

Linux Operating System

SNMP Based Device Management (SNMP v1/v2c/v3)

IPv4/IPv6 Compatible

Remote software upgrade

Auto configuration backup and restore

Remote bulk data collection over http/https

Radius, TACAS, LDAP Authentication

Datalogging, Syslog, CSV

Multi protocol support, Modbus RTU/TCP, SNMP, CAN, BACnet

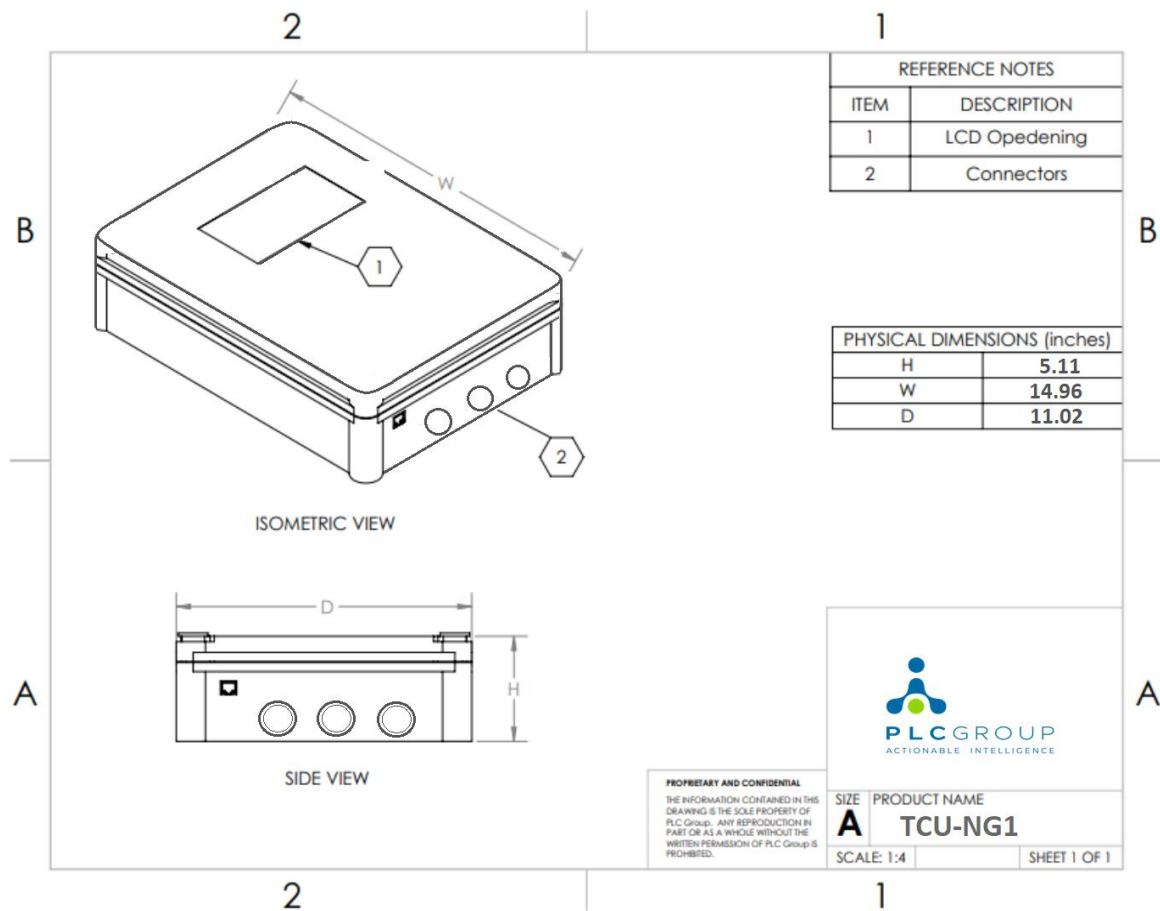
### OPTIONAL FEATURES

SITELOGIC Next Generation Controller also offers optional intelligent and non-intelligent controls for:

- HVAC's • Heat Pumps • Generators • Tower Lights • Energy monitoring
- Customized Controls

# TCU-NG1

## PHYSICAL DIMENSIONS



REFERENCE NOTES	
ITEM	DESCRIPTION
1	General Purpose I/O Ports
2	Input Power
3	IP Port
4	Sensors. Control Interface
5	Touch LCD and LED indicators

PHYSICAL DIMENSIONS (inches)	
H	5.11
W	14.96
D	11.02

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