It’s Time You Experienced ECLYPSE™
“A game-changer!” - ThermAir Integrated Technologies

“Something new in the industry!” - EWA Controls

“You just raised the bar... in the whole industry.” - Columbus Temperature Control

“State of the Art!” - Air-Traxx

It’s Time You Experienced

“It’s cutting edge technology.” - Energy Control Technologies

“It elevates the systems beyond where anybody is currently at.” - Enertemp
ECLYPSE™ Connected BACnet/IP and Wi-Fi HVAC Product Series, and ENVISION responsive, web-based design and visualization interface, provide powerful connectivity, and advanced control, monitoring and analysis, for your Internet of Things building.
Distribute IP Connectivity

Improved Performance
- Increased bandwidth and speed enables large amounts of data for advanced analytics, performance evaluation and trend logs
- Faster responsiveness when programming, creating and viewing graphics, and upgrading your system

Simplified Installation and Maintenance
- No additional proprietary gateways or middleware
- Choose wired IP, Wi-Fi connectivity, or combine both on a same controller to tailor implementation throughout the building to the available IT infrastructure, architecture and layouts
- Eliminate fieldbus networks and the need to manage multiple networks; reduce cabling and other materials, and their associated costs of installation, maintenance and upgrade
Distribute IP Connectivity Throughout Buildings

Distributed Intelligence

- IP connectivity from central plant to terminal equipment and room control to displays
- Each controller features advanced, built-in security features and authentication services, for robust IP-based implementation
- Direct IP or Wi-Fi Hotspot connection to your controller, using a PC or mobile device, for programing, commissioning, servicing and maintenance
- Controller-based hosting and access to ENVYSION, web-based system graphics, and visualization of schedules, alarms, and trend logs, greatly improving maintenance and servicing

Decentralized Integration

- Embedded support of BACnet MS/TP routing to IP, and Modbus integration on each controller, to cost effectively connect meters, VFDs and other devices without additional gateways
- Leverage the RESTful API to facilitate the customization and creation of your own mobile apps, dashboards and analytics tools
Choose ECLYPSE
For Your Next Projects!
BTL Listed as BACnet Building Controllers, featuring local schedules, alarms and trend logs.

All models available with embedded ENVYSION web-based graphic design and visualization interface, for local hosting of application and monitoring graphics.

Simultaneous support of wired IP and Wi-Fi (access point, client, hotspot), including support of Wi-Fi bridge. Two Ethernet ports allow controllers to be wired in daisy-chain topology and enable an STP loop-free topology configuration for redundancy and increased reliability.

Embedded support of BACnet MS/TP routing to IP, and Modbus integration on each controller, to cost effectively connect meters, VFDs and other devices without additional gateways.

Provides unified HVAC, lighting and shades/sunblind control.

Advanced, built-in security features and authentication services, for robust IP-based implementation.

Reduce programing and commissioning time by over 25% with EC-gfxProgram, graphical programing interface for custom applications, or configure pre-loaded applications with dynamic graphics available in select models.

Daisy-chain support of Allure™ Communicating Sensor series.
Ideal for central plant and mechanical equipment control, the ECLYPSE Connected System Controller is modular and scalable to effectively address any HVAC application: select the type and quantity of modules to meet your exacting requirements.

Designed to control small air handling unit, heat pump, fan-coil and chilled beam applications, as well as multi-site installations.

Features a diversified IO count in a compact design and footprint for easy in-cabinet installation:
- 8 universal inputs
- 4 x 24VAC digital outputs (TRIAC)
- 2 universal outputs
- 2 configurable outputs (24VAC TRIAC or universal)

Operating temperature range suited for installation in outdoor equipment

Select models support up to 3 Modbus RTU and TCP/IP devices to cost effectively integrate meters, VFDs, etc.

Offers metering solution capabilities via optional M-Bus module.

Optional embedded ENVYSION, providing a completely autonomous solution for dedicated equipment control or small building control applications, without the need for additional supervisory devices or software for visualization.

Embedded ENVYSION Viewer for local hosting of system-based graphics, and visualization of schedules, alarms and trend logs directly from the controller.

Features a diversified IO count in a compact design and footprint for easy in-cabinet installation:
- 8 universal inputs
- 4 x 24VAC digital outputs (TRIAC)
- 2 universal outputs
- 2 configurable outputs (24VAC TRIAC or universal)

Operating temperature range suited for installation in outdoor equipment

Select models support up to 3 Modbus RTU and TCP/IP devices to cost effectively integrate meters, VFDs, etc.

Offers metering solution capabilities via optional M-Bus module.
ECLYPSE Connected VAV Controller
ECY-VAV and ECY-VAV-PoE Series

- Control any variable air volume box application “out of the box”, with pre-loaded, configurable applications
- Embedded pre-loaded apps for VAV boxes
- Robust and compact design with metallic pitot tubes and anchor points for improved sturdiness and lasting performance
  - 4 universal inputs with high precision 16-bit AD
  - 4 digital outputs (TRIAC)
  - 2 universal outputs
- Built-in differential pressure transducer featuring polarity insensitive/polarity-free connection
- Integrated damper actuator with brushless DC motor
- Model with Power over Ethernet - a single cable to provide both data and power, significantly simplifying installation and maintenance, and reducing related costs
- Offers metering solution capabilities via optional M-Bus module

ECLYPSE Connected Terminal Unit Controller
ECY-PTU/TU Series

- Designed to control terminal units such as fan coils, chilled beams, heat pumps, and reversible ceilings
- Embedded pre-loaded apps for terminal units
- Embedded ENVYSION Viewer for local hosting of system-based graphics, and visualization of schedules, alarms and trend logs directly from the controller

APPLICATION VISUALIZATION FEATURES

Select your controller from 4 models- according to your application and types of actuators (0-10V, floating, on-off, thermal valves or 6-way valves)
- Choose 100-240VAC or 24VAC power supply voltage
- Dedicated application outputs allow for direct wiring to valves and fans without requiring an external power source and additional relays
- Targeted application input types: sensor, digital and universal
- Offers metering solution capabilities via optional M-Bus module
- Compatible with cutting-edge user interfaces enhancing occupant experience
Empowered Connectivity
The ECLYPSE Difference!

IP Wired Connectivity
ECLYPSE Controllers Feature Two Ethernet Ports for Wired IP Connection
- Wire in star or daisy-chain topology, to minimize wiring costs for home-runs back to the switch
- Unique integrated reliability features, including support of STP loop-free topology configuration for Connected System Controllers, and integrated fail-safe within terminal application controllers, allowing communication data to be relayed to the following controller on a daisy-chain even in case of a power failure
- Use the second port to connect a laptop for direct programming, configuration and commissioning

Connect Two Wired IP Segments via Wireless Bridging
For even more implementation flexibility: configure a Wi-Fi Access Point on one of your IP-wired controllers to extend connectivity across large open spaces that do not allow for a wired IP configuration.
The ECLYPSE controller series utilise BACnet/IP and IT standards, delivering empowered IP connectivity and open integration with building management systems. Choose wired IP, Wi-Fi, or combine both on a same controller to suit the building’s infrastructure, architecture and layouts.

IP Wi-Fi Connectivity

Support of Wi-Fi Connectivity Enabled with the Wi-Fi Adapter!

- Wi-Fi Client connection to the building’s existing Wi-Fi network or to another controller’s Wi-Fi Hotspot or Access Point
- Wi-Fi Access Point, extending the building’s IP network to your Wi-Fi ECLYPSE devices
- Wi-Fi Hotspot, your own wireless area network, for wireless communication between the controllers, or with a mobile device or laptop for configuration, commissioning and servicing
ENVYSION, web-based graphic design and visualization interface, delivers the art and science of actionable visual knowledge and powerful user experience. As a “drag & drop” GUI development platform, ENVYSION provides a real-time, data-driven user interface, and graphical elements that enhance communication and analysis.

**Design your Experience - Drive Results**

- Reduce time and costs providing graphical elements that enhance communications and information including dashboards, charts, tables, reports, dynamic pages, and more
- Dynamic and interactive content such as floor layouts with heat/cool mapping, graphics with playback feature, Google maps and more
- HTML 5 platform, does not require any plug-ins or APIs for development or viewing
- Fully responsive design for an optimal viewing experience across a wide range of devices
- Can be accessed onsite or remotely, from any device, increasing responsiveness to occupants
- For your IoT building: easily connect to web services such as maps, traffic information, weather reports, and more

**xpressENVYSION**

Save up to 30% creating graphical user interfaces!

- **Step 1**  
  Style Manager  
  Easily customize the look and feel of your project and reflect your client’s brand

- **Step 2**  
  Navigation Builder  
  Set up your project’s navigation tree and nesting structure

- **Step 3**  
  Page and Data Creator  
  Populate your pages and link data points

- **Step 4**  
  Viewer  
  Preview your user interface and get ready to publish
One Visualization Interface for All Platforms and Buildings

**ENVYSION for EC-Net**
- Expand capabilities of your existing EC-Net system
- Provides complete views of your BMS
- Custom-feel and natively responsive user interface

**Embedded ENVYSION in ECLYPSE Connected System Controllers**
- Completely autonomous solution for small buildings or equipment control applications

**ENVYSION TechStudio**
- Create or modify your ENVYSION projects anywhere and offline

**Embedded ENVYSION in ECLYPSE Connected VAV, Equipment and PTU/TU Controllers (Viewer)**
- Host and view automatically generated graphics from preloaded applications: VAV, fan-coil units, chilled beams, etc.
Programing and Productivity Enhancing Tools

Distech Controls provides programing and productivity enhancing tools for use with our ECLYPSE Connected BACnet/IP and Wi-Fi HVAC Controllers, which help you deliver your project on time and under budget.

ECLYPSE Selection Tool
Build your own ECLYPSE Connected System Controller - select the right type, number and configuration of modules required.

xpressgfx Points
Prepare your submittal package and configure your I/O parameters. Create your points list and import in EC-gfxProgram.

xpressNetwork Utility
Increase efficiency with batch operations during installation and configuration, commissioning and maintenance.

xpressNetwork Companion
A mobile application to simplify your controllers identification and deployment over the IP network.

Build your custom programing sequence with EC-gfxProgram, starting from your xpressgfx Points list.

Utilise the gfxApplications code libraries and pre-engineered blocs or “convert” previously created control sequences.

Design your Configuration Assistant and define which variables should be configured or modified on-site, during integration.
myDC Control mobile app allows to view, edit, and configure operating parameters of an HVAC system; while the color-coded icons provide at-a-glance indication of alarms and override conditions.

myDC AirBalancing mobile app provides convenient and secure access to only the VAV controllers of the building automation system to enable air balancing and to perform simple calibration.

ENVYSION and xpressENVYSION - embedded in an ECLYPSE Controller or for EC-Net. Save up to 30% creating graphical user interfaces with xpressENVYSION, a workflow oriented profile within ENVYSION.

Configure pre-loaded applications with embedded ENVYSION and automatically generate a graphical user interface.
More Value for Your ECLYPSE Solution

ECLYPSE Sky Ecosystem

Our ECLYPSE Sky Ecosystem is a powerful solution embedding wireless technology to manage connected spaces and create a market-leading user experience. This solution offers a revolutionary way of interacting with a room: for an employee in their office, a guest in a hotel or a teacher in the classroom by putting them in charge of their comfort parameters.

The full solution includes the recently launched products:

- Allure UNITOUCH touchscreen sensor;
- EC-Multi-Sensor-BLE, discreet ceiling-mounted multi-technology sensor;
- my PERSONIFY app; and
- Coming soon! Allure UNIWAVE, contemporary wireless wall device
**Displays**

**HORYZON**
IP-based Touchscreen Display

From mechanical rooms to small building applications, allows system integrators and facility managers to access, view and engage with operating parameters of your ECLYPSE system for simplified commissioning, operations and troubleshooting.

**ECx-Display**
Streamlined Mechanical Room Display

Managers and technicians will benefit from this powerful, user-friendly color backlit LCD display, providing convenient access to important system data in real time.

**Allure™ Communicating Sensors**

**UNITOUCH**

This cutting-edge touchscreen sensor enhances occupant experience with its inviting user interface and modernizes the BMS room device portfolio with its contemporary design.

**EC-Smart-Comfort**

Versatile communicating room sensor, providing precise temperature sensing, lighting and shade/sunblind control and other occupant functions.

**EC-Smart-Air**

Combining precise environmental sensing, including temperature, humidity and CO₂, in a discrete and alluring enclosure.

**EC-Smart-Vue**

Advanced communicating sensor with four integrated sensors: temperature, humidity, CO₂ and motion. Features innovative ECO-Vue™ leaf pattern.
**Enhanced Occupant Experience**

*my PERSONIFY*
Easily customize your comfort settings directly from your mobile device through its intuitive interface. The *my PERSONIFY* app uses Bluetooth® technology and is compatible with Distech Controls’ BLE-Enabled Enhanced Occupant Experience product line: Allure UNITOUCH and...

**Technical Mobile Apps**

*myDC Control*
Quickly view, edit, and configure operating parameters of an HVAC system; while the color-coded icons provide at-a-glance indication of alarms and override conditions.

*myDC AirBalancing*
Designed to simplify the task of air balancers by enabling them to perform the entire Variable Air Volume (VAV) air balancing process via their mobile device.

*xpressNetwork Companion*
The integrated QR code reader can be used on ECLYPSE controllers to facilitate project deployment and easily locate your ECLYPSE controllers on your network.

**RESTful API**

*For Your IoT Building - Create and Customize Your Own Interface!*

Facilitate data exchange with our RESTful API and provide unique opportunities for value-added services, with the ever expanding range of available Internet of Things building management and tenant services applications.

A documented RESTful API for ECLYPSE Connected Controllers allows the creation of custom mobile apps, dashboards and/or analytics tools.
“Wow!” - Facio Corporation

“Distech Controls has created their own trend.” - Controls PTY

“ Incredible!” - Tekplan Solutions Florida

Experience it at www.distech-controls.com/ECLYPSE

“Nobody has anything close to this!” - Therma Corp

“I think the future looks very bright.” - System One Control
Distech Controls connects people with intelligent building solutions through our forward-thinking technologies and services. We partner with customers to deliver innovative solutions that can provide better health, better spaces, and better efficiencies. Our passion for innovation, quality and sustainability guides our business, which serves multiple market segments through worldwide business divisions, service offices and a superior network of Authorized System Integrators and Distributors. Distech Controls, Inc. is a subsidiary of Acuity Brands Lighting, Inc.