



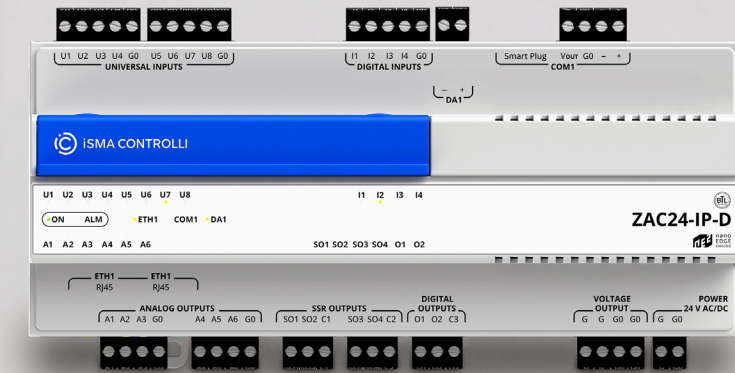
**nano
EDGE
ENGINE**

BACnet

Modbus

ZAC24-IP-D

Niagara-enabled Zone Application Controller for integrated HVAC, DALI-2 lighting and blinds control.



DALI-2 on board

Integrated zone, comfort, lighting and blinds control

ZAC24-IP-D connected with Touch Point wall panels offers unique solution for HVAC applications, light and blinds control with an innovative way to enhance comfort, improve energy efficiency, and customize illumination according to individual needs in one or two zones in the building.

Seamless programming and integration

Program from scratch or customize your controller application instantly, in real time, with a graphical interface that allows you to create applications using block programming on a wire sheet. ZAC24-IP-D supports real-time programming over IP and USB using iC Tool, free of charge, commissioning and programming tool or with a dedicated Niagara Framework® extension.

Simplified DALI-2 devices commissioning

No matter which tool you choose, either iC Tool or Niagara Framework®, DALI-2 commissioning views simplifies the process of integrating and configuring DALI-2 devices, allowing users to easily manage lighting control systems. With its user-friendly interface, it streamlines device setup and ensures optimal performance in smart lighting applications.

Integration and connectivity

Effortlessly integrate with Building Management Systems (BMS) and IoT platforms using our auto-exposure functionality, ensuring smooth and seamless connectivity.

Future-proof architecture

Suitable for the infrastructure of new buildings with native support for IP communication with BACnet, Modbus and Haystack 4 protocols, with a built-in web server for easy visualization. The fail-safe Ethernet switch allows for daisy-chained connections, ensuring IP communication continuity even in the case of a power failure.

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Overview

One controller. Unified HVAC, blinds, and lighting control

With 24 I/Os, ZAC24-IP-D is perfectly suited to directly control two building zones. It features a DALI-2 interface for lighting control, and silent relay outputs for blinds control, that won't disturb tenants' peace, combining zone, lighting, and blinds management in a single versatile device.

Bringing DALI-2 lighting and HVAC control seamlessly into the Niagara Framework®

Niagara-enabled, with nano EDGE ENGINE embedded, the freely programmable ZAC24-IP-D is provided with a set of tools for faster, hassle-free commissioning of any DALI lighting system directly within Niagara Framework® or iC Tool, advanced, free of charge commissioning and programming tool.

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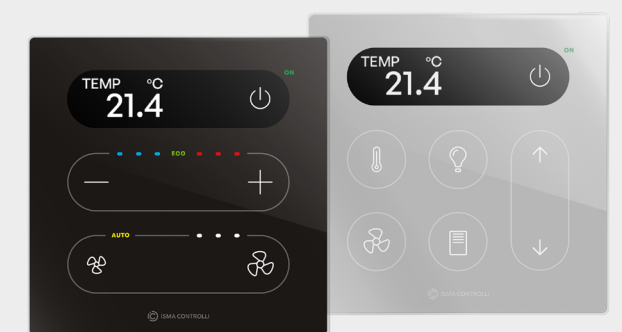
niagara⁴

Managing the zone from any browser with a modern UI

The ZAC24-IP-D contextualizes data at the edge with tags and Haystack 4. Data is automatically visualized on the intuitive HTML5 web server. The auto-generated graphic interface reduces time of deployment time and puts key information at your fingertips, accessible from any browser.

Wide range of modern glass wall panels

Designed to manage temperature, fans, lights and blinds, the Touch Point wall operating units are not just a perfect complement to ZAC24-IP. They enhance any modern room with a slim profile, premium look, and advanced features.



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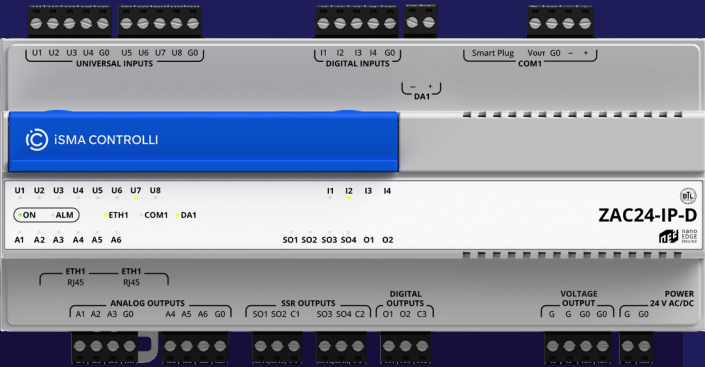
Zone & Lighting Control

System overview

- ZAC24-IP, equipped with sufficient I/Os to simultaneously control comfort, light, and blinds in two independent zones.
- Supports DALI-2 commissioning, HVAC programming, and BMS integration directly within the Niagara Framework®.
- Simplified DALI-2 device management with discovery and automatic addressing functions.
- Intuitive GUI for easy management of up to 16 Groups and 16 Scenes.
- Flexible user control with the dedicated line of Touch Point 2.0 Wall Panels, HMI Panels, or a smartphone connected to the device web server.

24 I/Os

- 8x UI and 4x DI for sensors and switches
- 6x AO for fans and valves control
- 2x DO and 4x silent SSR outputs for blinds and thermal actuators control



Zone control

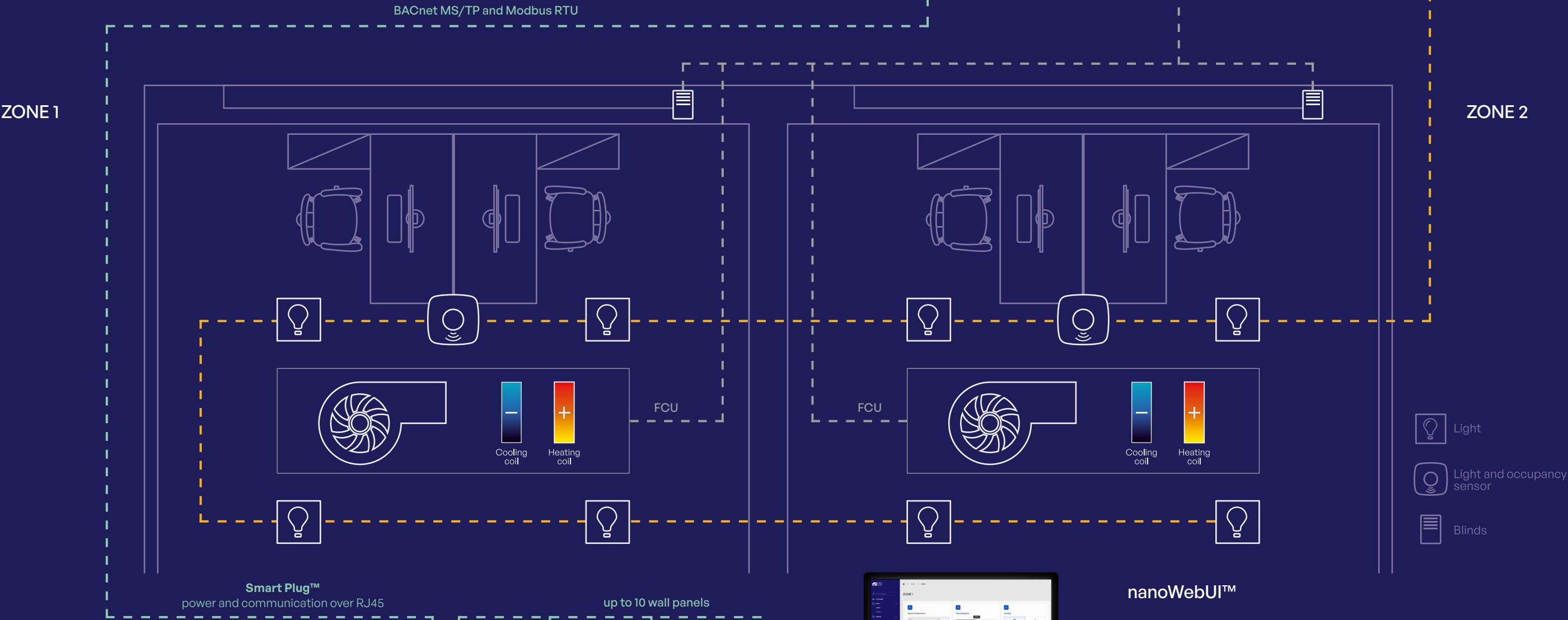
control entire space
with premium glass wall panels

Comfort control

with 24 I/Os onboard

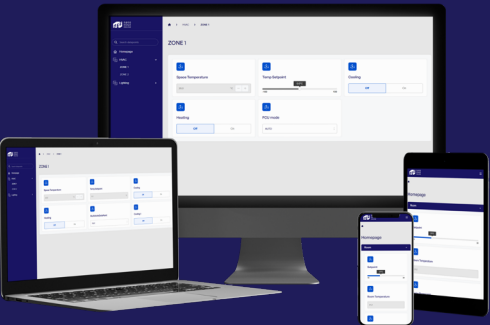
DALI-2 light control

up to 64 control gears
and 64 input devices



New Touch Point Panels

Modern glass front wall panels with new functionality for light and blinds applications are the perfect complement to the new Zone Application Controller.



nanoWebUI™

A modern HTML5 web user interface that presents live controller data, automatically generated during controller programming. Our time-saving nanoWebUI™ leverages the Haystack HTTP API to create a fully functional, responsive UI the moment control logic is deployed. No manual web development skills required. The web interface is easily accessible from an HMI panel or via a standard web browser on PCs and mobile devices.